

**Project Report**

**On**

**GYM MANAGEMENT SYSTEM**

Submitted in partial fulfillment of the requirements for the award of degree of

**M.Sc (INFORMATION TECHNOLOGY)**

**TO**

**SHANTI DEVI ARYA MAHILA COLLEGE**

**DINANAGAR**



**Submitted To:-**

**Mrs. Shallu Sharma**

**Assistant Professor**

**Post Graduate Deptt. Of Computer Science & IT**

**Submitted By:**

**Monika**

**(20862225404)**

**Kajal**

**(20862225402)**

**POST GRADUATE DEPARTMENT OF COMPUTER Sc. & IT**

**GURU NANAK DEV UNIVERSITY, AMRITSAR**

## **ACKNOWLEDGEMENT**

With deep sense of gratitude we express our sincere thanks and obligation to our esteemed guide Mrs. Shallu Sharma (Assistant Professor). It is because of her able and mature guidance and co-operation without which it would not have been possible for us to complete our project.

We would also like to thank Dr. Deepak Jyoti, HOD, Post Graduate Deptt. of Comp Sc. & IT, Shanti Devi Arya Mahila College, Dinanagar for providing the institute with an environment where one can use her intellect and creativity to develop something fruitful and also for allowing us the opportunity to experience dynamic professional environment during our Training. This environment facilitated us in pursuing this project.

It is our pleasant duty to thank all the staff members of the Computer Department for their time to time suggestions.

Finally, we would like to thank the almighty and our parents for their moral support and our friends with whom we shared our day-to-day experience and received lots of suggestions that improved our quality of work.

**Monika**

**20862225404**

**Kajal**

**20862225402**

## **CERTIFICATE OF APPROVAL**

This is certify that the project report entitled **GYM MANAGEMENT SYSTEM** submitted to Shanti Devi Arya Mahila College, Dinanagar in partial fulfillment of the requirement for the award of degree of M.Sc (Information Technology) , is an authentic and original work carried out by Monika (20862225404) Kajal (20862225402 under my guidance and supervision. The Post Graduate deptt. of Comp Sc. & IT has accepted the report as the fulfillment of the requirements for the degree of Master of Information Technology. No part of this report has been submitted to any other College/University for the reward of any Degree to the best of my knowledge.

**Mrs. Shallu Sharma**

Assistant Professor (Comp Sc.)

(Project Supervisor)

Shanti Devi Arya Mahila College

Dinanagar

**Dr. Deepak Jyoti**

Head, PG Department of Comp Sc. & IT

Shanti Devi Arya Mahila College

Dinanagar

## **DECLARATION**

We hereby declare that this project report on “GYM MANAGEMENT SYSTEM” which is being submitted in partial fulfillment of the Training Programme of M.Sc (Information Technology) to Shanti Devi Arya Mahila College, Dinanagar, is the result of the work carried out by us, under the guidance of Mrs. Shallu Sharma (Assistant Professor). Shanti Devi Arya Mahila College, Dinanagar

**Monika**

**20862225404**

**Kajal**

**20862225402**

## **Abstract**

The “Gym Management System” is a web-based application which automate the gym and fitness centre to keeping records and store them in form of a large and user friendly database further facilitating easy access to the personnel.

## **Introduction**

The “Gym Management System” is an application which in PHP and MYSQL which automate the gym system with enables one as tool to manage users’ details.

A “Gym Management System” effectively manages and handles all the function of gym and fitness center. The Gym Management System requires a system that will handle all the necessary and minute details easily and proper database security accordingly to the user. They require software, which will store data of gym member and all transactions that occur in Gym.

Gym Management System is a web-based application using PHP and MySQL.

### **Advantages:**

- Reduce time consumption.
- Reduce error scope.
- All system managements are automated.
- Centralized database management.
- Easy operations for operator of the system.
- No paper work requirement.

### **Disadvantages:**

- The system can only handle Single person only.

# Feasibility study

Whenever we design a new system, normally the management will ask for a feasibility report of the new system. The management wants to know the technicalities and cost involved in creation of new system.

- Technical feasibility
- Economic feasibility
- Physical feasibility

Technical feasibility:

Technical feasibility involves study to establish the technical capability of the system being created to accomplish all requirements to the user. The system should be capable of handling the proposed volume of data and provide users and operating environment to increase their efficiency.

For example, system should be capable of handling the proposed volume of data and provide users.

**Economic feasibility:**

Economic feasibility involves study to establish the cost benefit analysis. Money spent on the system must be recorded in the form of benefit from the system. The benefits are of two types:

**Tangible benefits:**

- Saving man labor to do tedious tasks saves time.
- 

**Intangible benefits:**

- Improves the quality of organization.

**Physical feasibility:**

It involves study to establish the time responses of the new system being created. For e.g., if the new system takes more than one day to prepare crucial finance statement for the management, wherever it was required in an hour, the system fails to provide the same.

It should be clearly establish that the new system requirements in the form of time responses would be completely met with. It may call for increase in cost. If the required cost is sacrificed then the purpose of the new system may not be achieved even if it was found to be technically feasible.

# Scope of the Project

“Gym Management System” Project is an essentially software designed to keep information of gym member. It stores data such as fitness category, package type and package.

The system works and fulfills all the functionalities as per the proposed system.

It will provide reduced response time against the queries made by different users.

This project is based on PHP language with MYSQL database which manages member information.

All possible features such as verification, validation, security, user friendliness etc have been considered.

## The different types of modules present in this project are

1. user
2. Admin

## User Module

**Users** can visit the website and apply for gym packages.

- **Registration:** One time Registration is required to apply for any gym package.
- **Login:** After registration, the user can log in and apply for the gym package.
- **Booking History:** In this section, users can see booked packages and payment details also.
- **Profile:** In this Section, User can update their profile.
- **Change Password:** In this section, user can change their own password.

## Admin Module

- **Dashboard:** In this section, Admin can see the overview of bookings, listed packages, categories, and package types.
- **Categories:** In this section, the admin can add, and delete the categories.
- **Package-Type:** In this section, the admin can add, or delete the package type.
- **Packages:** In this section, admin can add, and edit packages.
- **Bookings:** In this section, the admin checks the new booking and partial/ full payment bookings. Here admin can also update the payment details against a particular booking.
- **Report:** In this section, Admin can generate the between dates report for booking and registered users.

Admin can also update his profile, change the password and recover the password.

# **Software & Hardware requirements**

- ✓ Any Version of browser after Mozilla Firefox 4.0, Internet Explorer 6.0,chrome

## **Hardware requirements:**

- ✓ Any processor after Pentium 4.

Any version of Windows 10

Processor speed: 2.0 GHz

RAM : 1GB

Hard disk: 40GB to 80 GB

## **Software requirements:**

- ✓ Database : MySQL
- ✓ Server : Apache
- ✓ Frontend : HTML
- ✓ Scripting Language : JavaScript
- ✓ IDE : Sublime
- ✓ Technology : PHP

# System Design

Design is the first step in the development phase for any techniques and principles for the purpose of defining a device, a process or system in sufficient detail to permit its physical realization.

Once the software requirements have been analyzed and specified the software design involves three technical activities - design, coding, implementation and testing that are required to build and verify the software.

The design activities are of main importance in this phase, because in this activity, decisions ultimately affecting the success of the software implementation and its ease of maintenance are made. These decisions have the final bearing upon reliability and maintainability of the system. Design is the only way to accurately translate the customer's requirements into finished software or a system.

Design is the place where quality is fostered in development. Software design is a process through which requirements are translated into a representation of software. Software design is conducted in two steps. Preliminary design is concerned with the transformation of requirements into data

## **Unified Modelling Language Diagrams (UML):**

- The unified modelling language allows the software engineer to express an analysis model using the modelling notation that is governed by a set of syntactic semantic and pragmatic rules.
- A UML system is represented using five different views that describe the system from distinctly different perspective. Each view is defined by a set of diagram, which is as follows.

## **User Model View**

- i. This view represents the system from the users perspective.
- ii. The analysis representation describes a usage scenario from the end-users perspective.

## **Structural model view**

- ◆ In this model the data and functionality are arrived from inside the system.
- ◆ This model view models the static structures.

## **Behavioural Model View**

- ◆ It represents the dynamic of behavioural as parts of the system, depicting the interactions of collection between various structural elements described in the user model and structural model view.

## **Implementation Model View**

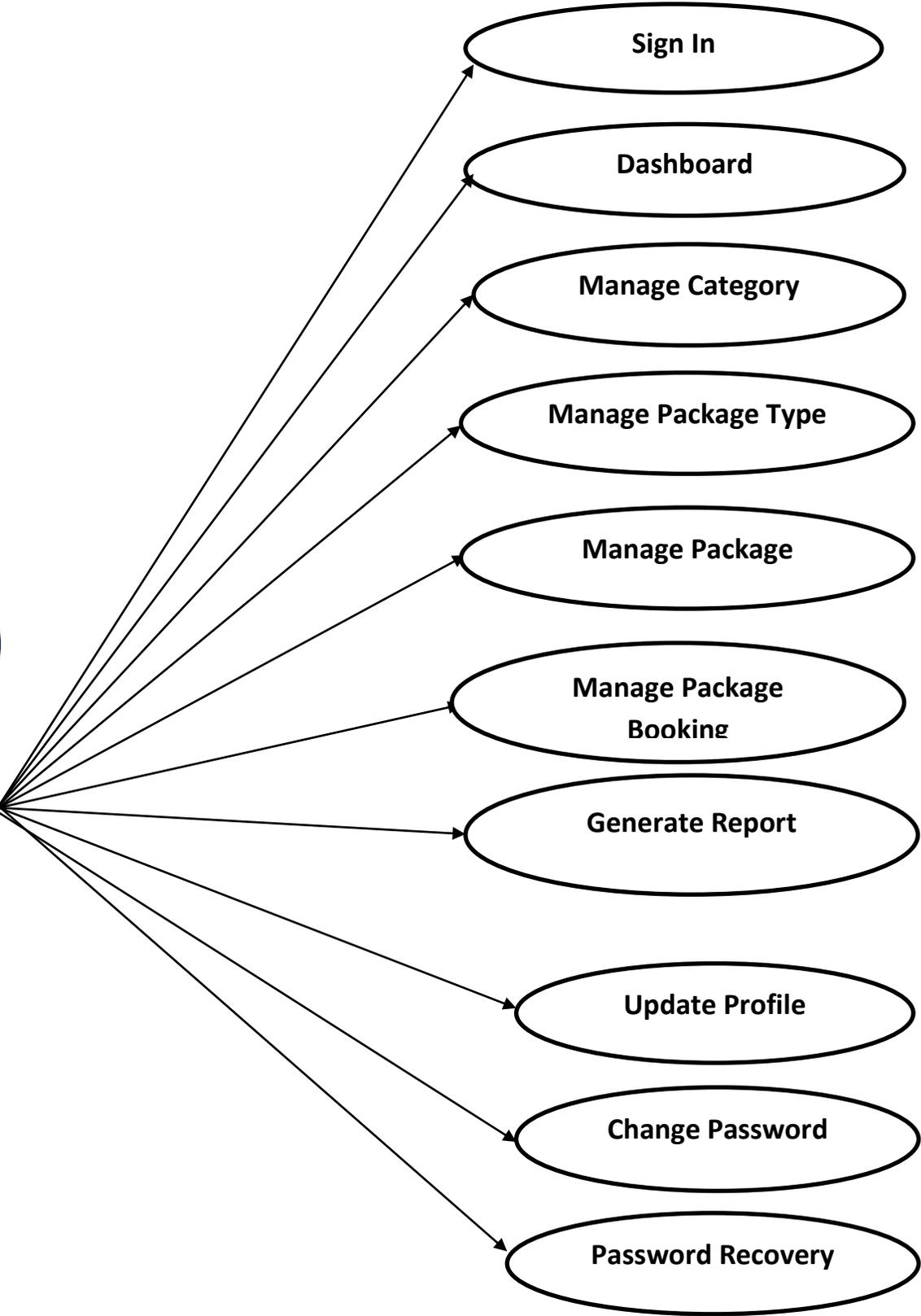
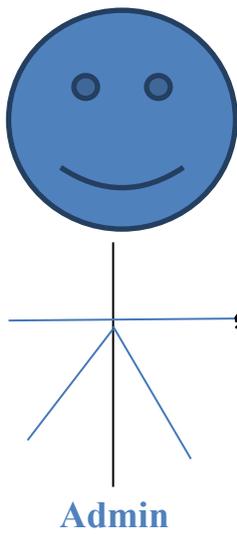
- ◆ In this the structural and behavioural as parts of the system are represented as they are to be built.

## **Environmental Model View**

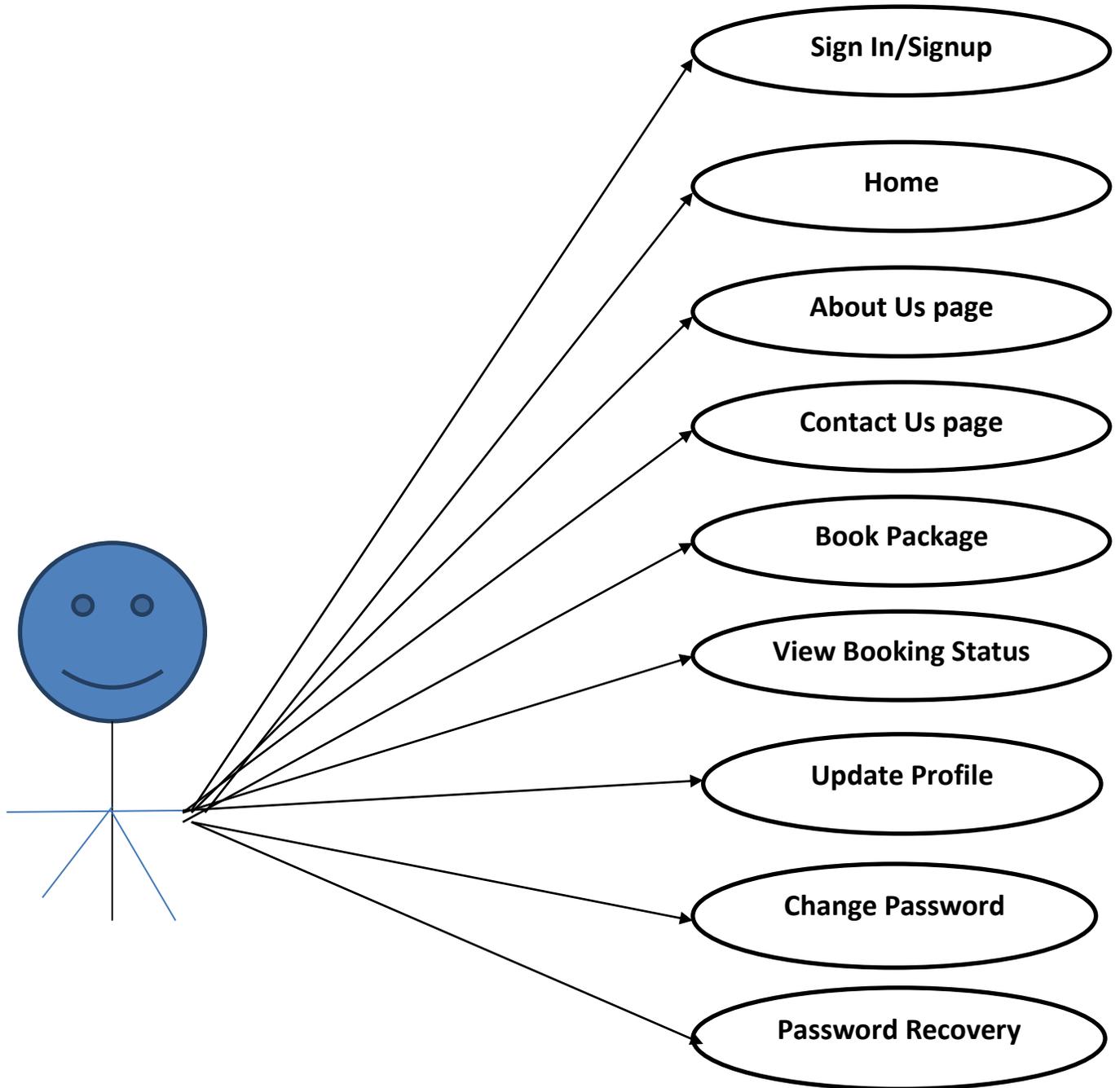
In this the structural and behavioural aspects of the environment in which the system is to be implemented are represented.

UML is specifically constructed through two different domains they are

- ◆ UML Analysis modelling, which focuses on the user model and structural model views of the system?
- ◆ UML design modelling, which focuses on the behavioural modelling, implementation modelling and environmental model views. Use Case Diagrams Admin



## Use Case Diagrams User



## ENTITY-RELATIONSHIP Diagrams

E-R (Entity-Relationship) Diagram is used to represents the relationship between entities in the table.

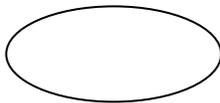
The symbols used in E-R diagrams are:

SYMBOL

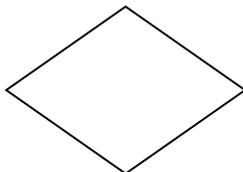
PURPOSE



Represents Entity sets.



Represent attributes.



Represent Relationship Sets.

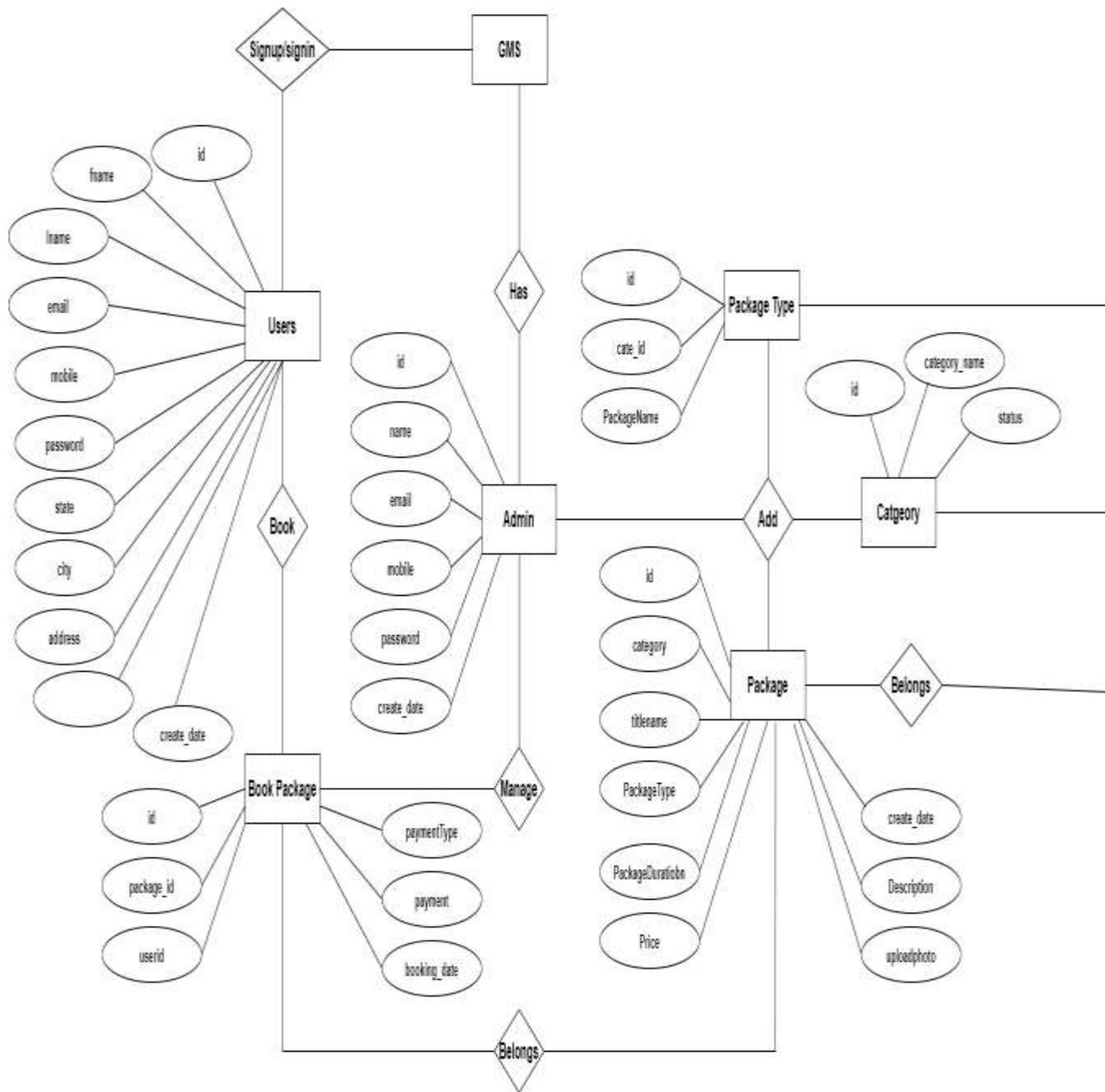


Line represents flow

Structured analysis is a set of tools and techniques that the analyst.

To develop a new kind of a system:

The traditional approach focuses on the cost benefit and feasibility analysis, Project management, and hardware and software selection a personal considerations.



# Data Flow Diagram

## Data Flow Diagrams

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It can be manual, automated, or a combination of both.

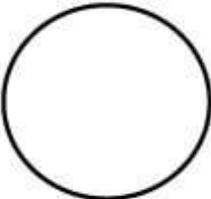
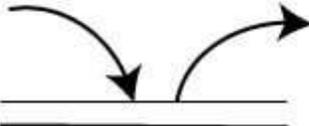
It shows how data enters and leaves the system, what changes the information, and where data is stored.

The objective of a DFD is to show the scope and boundaries of a system as a whole. It may be used as a communication tool between a system analyst and any person who plays a part in the order that acts as a starting point for redesigning a system. The DFD is also called as a data flow graph or bubble chart.

### **The following observations about DFDs are essential:**

1. All names should be unique. This makes it easier to refer to elements in the DFD.
2. Remember that DFD is not a flow chart. Arrows in a flow chart represent the order of events; arrows in DFD represent flowing data. A DFD does not involve any order of events.
3. Suppress logical decisions. If we ever have the urge to draw a diamond-shaped box in a DFD, suppress that urge! A diamond-shaped box is used in flow charts to represent decision points with multiple existing paths of which the only one is taken. This implies an ordering of events, which makes no sense in a DFD.
4. Do not become bogged down with details. Defer error conditions and error handling until the end of the analysis.

Standard symbols for DFDs are derived from the electric circuit diagram analysis and are shown in fig:

Symbol	Name	Function
	Data flow	Used to Connect Processes to each other, to sources or Sinks; the arrow head indicates direction of data flow.
	Process	Performs Some transformation of Input data to yield output data.
	Source of Sink (External Entity)	A Source of System inputs or Sink of System outputs.
	Data Store	A repository of data; the arrow heads indicate net inputs and net outputs to store.

### Symbols for Data Flow Diagrams

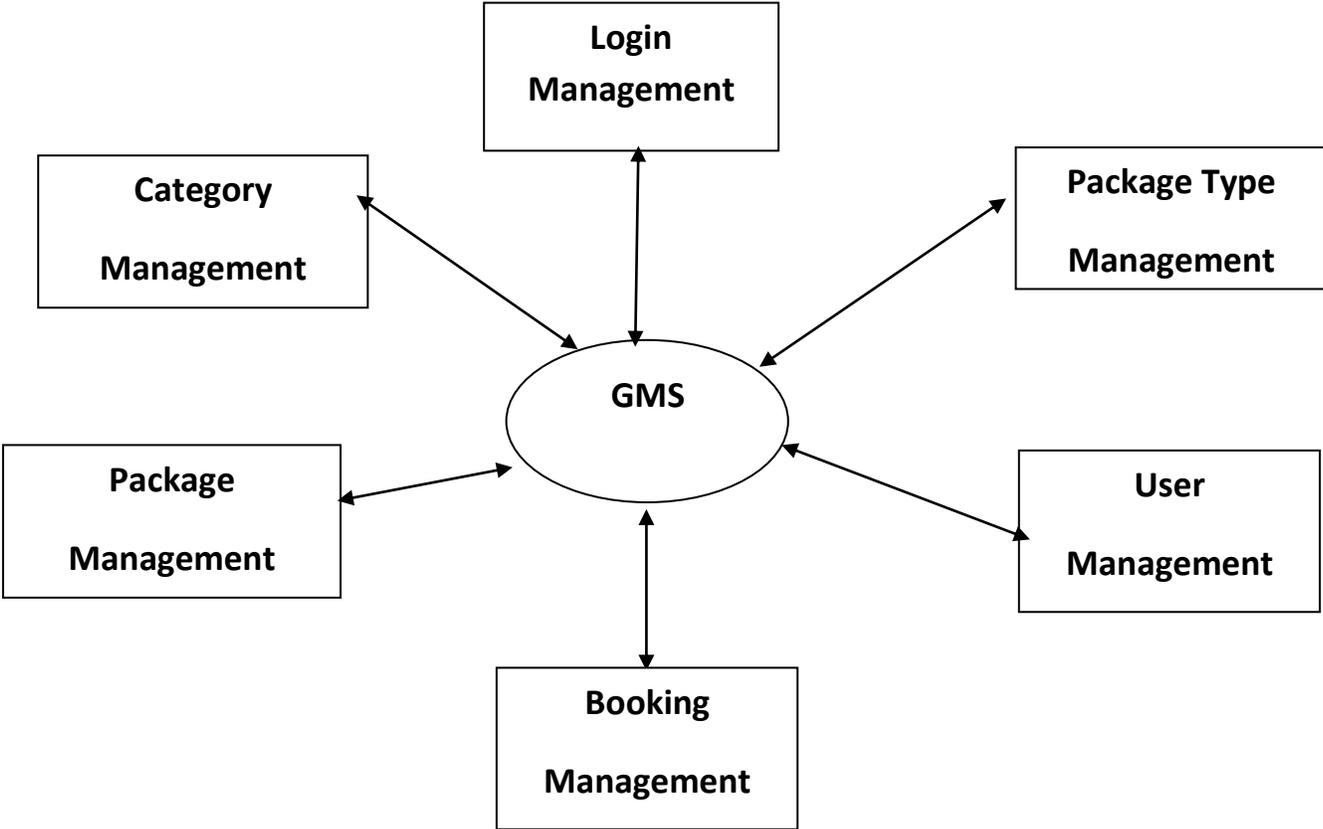
**Circle:** A circle (bubble) shows a process that transforms data inputs into data outputs.

**Data Flow:** A curved line shows the flow of data into or out of a process or data store.

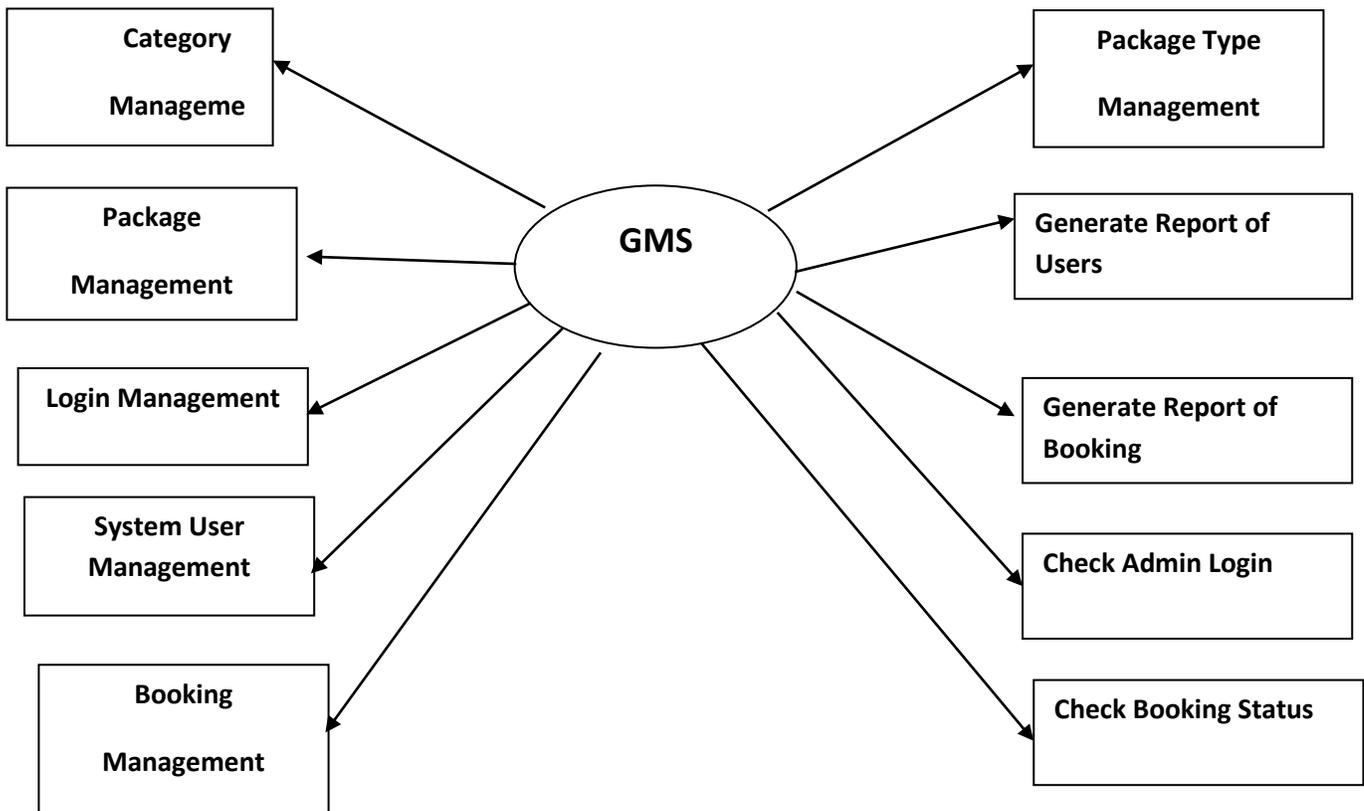
**Data Store:** A set of parallel lines shows a place for the collection of data items. A data store indicates that the data is stored which can be used at a later stage or by the other processes in a different order. The data store can have an element or group of elements.

**Source or Sink:** Source or Sink is an external entity and acts as a source of system inputs or sink of system outputs.

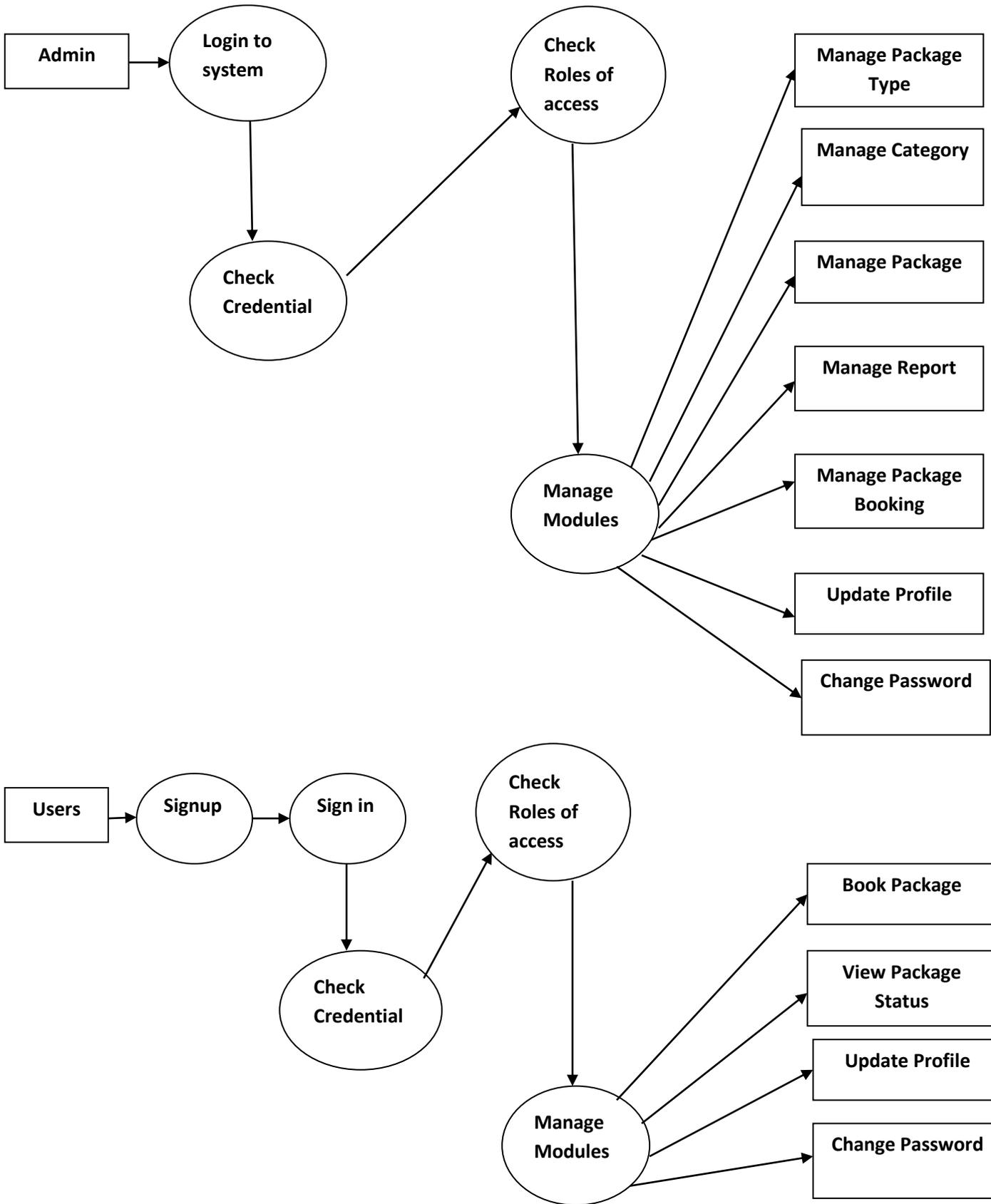
**Zero Level DFD**



## First Level DFD



## Second Level DFD



# Database Design

The data in the system has to be stored and retrieved from database. Designing the database is part of system design. Data elements and data structures to be stored have been identified at analysis stage. They are structured and put together to design the data storage and retrieval system.

A database is a collection of interrelated data stored with minimum redundancy to serve many users quickly and efficiently. The general objective is to make database access easy, quick, inexpensive and flexible for the user. Relationships are established between the data items and unnecessary data items are removed. Normalization is done to get an internal consistency of data and to have minimum redundancy and maximum stability. This ensures minimizing data storage required, minimizing chances of data inconsistencies and optimizing for updates. The MySQL database has been chosen for developing the relevant databases.

**Gym Management System (GMS) contains 7 MySQL tables :**

**tbladdpackage table Structure :** This table store the package details of gym.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	id 	int(11)			No	None		AUTO_INCREMENT
2	category	varchar(45)	utf8mb4_general_ci		Yes	NULL		
3	titlename	varchar(450)	utf8mb4_general_ci		Yes	NULL		
4	PackageType	varchar(45)	utf8mb4_general_ci		Yes	NULL		
5	PackageDuratiobn	varchar(45)	utf8mb4_general_ci		Yes	NULL		
6	Price	varchar(45)	utf8mb4_general_ci		Yes	NULL		
7	uploadphoto	varchar(450)	utf8mb4_general_ci		Yes	NULL		
8	Description	varchar(450)	utf8mb4_general_ci		Yes	NULL		
9	create_date	timestamp			Yes	current_timestamp()		

**tbladmin table Structure :** This table store the login details of admin.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	id 	int(11)			No	None		AUTO_INCREMENT
2	name	varchar(45)	utf8mb4_general_ci		Yes	NULL		
3	email	varchar(45)	utf8mb4_general_ci		Yes	NULL		
4	mobile	varchar(45)	utf8mb4_general_ci		Yes	NULL		
5	password	varchar(100)	utf8mb4_general_ci		Yes	NULL		
6	create_date	timestamp			Yes	current_timestamp()		

**tblbooking table Structure :** This table store the booking details of gym packages.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	id 	int(11)			No	None		AUTO_INCREMENT
2	package_id	varchar(45)	utf8mb4_general_ci		Yes	NULL		
3	userid	varchar(45)	utf8mb4_general_ci		Yes	NULL		
4	booking_date	timestamp			Yes	current_timestamp()		
5	payment	varchar(45)	utf8mb4_general_ci		Yes	NULL		
6	paymentType	varchar(45)	utf8mb4_general_ci		Yes	NULL		

**tblcategory table Structure :** This table store the details package category.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	<b>id</b> 	int(11)			No	None		AUTO_INCREMENT
2	<b>category_name</b>	varchar(45)	utf8mb4_general_ci		Yes	NULL		
3	<b>status</b>	varchar(45)	utf8mb4_general_ci		Yes	0		

**tblpackage table Structure :** This table store the details package type.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	<b>id</b> 	int(11)			No	None		AUTO_INCREMENT
2	<b>cate_id</b>	varchar(45)	utf8mb4_general_ci		Yes	NULL		
3	<b>PackageName</b>	varchar(45)	utf8mb4_general_ci		Yes	NULL		

**tblpayment table Structure :** This table store the details amount paid by users.

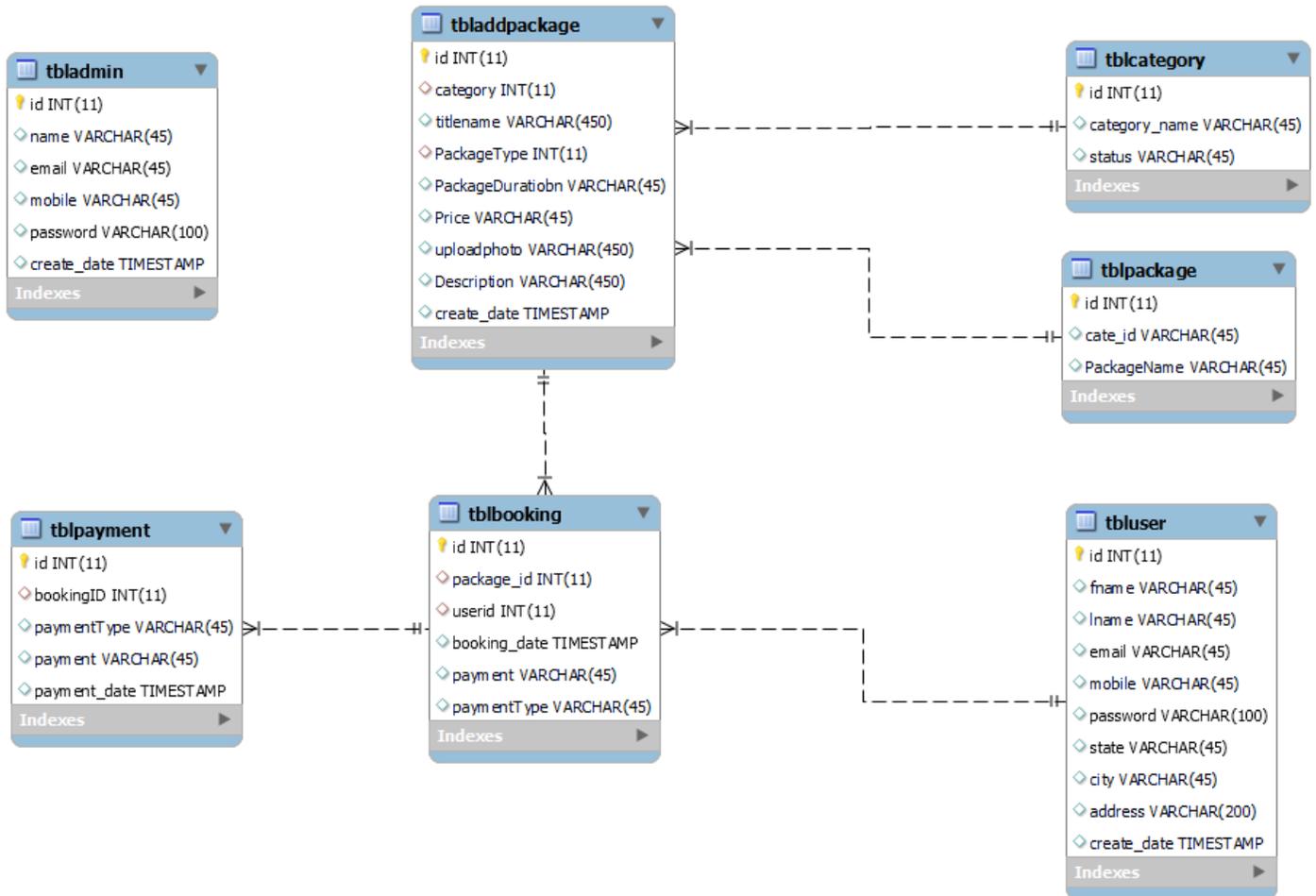
#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	<b>id</b> 	int(11)			No	None		AUTO_INCREMENT
2	<b>bookingID</b>	varchar(45)	utf8mb4_general_ci		Yes	NULL		
3	<b>paymentType</b>	varchar(45)	utf8mb4_general_ci		Yes	NULL		
4	<b>payment</b>	varchar(45)	utf8mb4_general_ci		Yes	NULL		
5	<b>payment_date</b>	timestamp			Yes	current_timestamp()		

**tbluser table Structure :** This table store the details registered users.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	<b>id</b> 	int(11)			No	None		AUTO_INCREMENT
2	<b>fname</b>	varchar(45)	utf8mb4_general_ci		Yes	NULL		
3	<b>lname</b>	varchar(45)	utf8mb4_general_ci		Yes	NULL		
4	<b>email</b>	varchar(45)	utf8mb4_general_ci		Yes	NULL		
5	<b>mobile</b>	varchar(45)	utf8mb4_general_ci		Yes	NULL		
6	<b>password</b>	varchar(100)	utf8mb4_general_ci		Yes	NULL		
7	<b>state</b>	varchar(45)	utf8mb4_general_ci		Yes	NULL		
8	<b>city</b>	varchar(45)	utf8mb4_general_ci		Yes	NULL		
9	<b>address</b>	varchar(200)	utf8mb4_general_ci		Yes	NULL		
10	<b>create_date</b>	timestamp			Yes	current_timestamp()		

## Class Diagram:

The class diagram shows a set of classes, interfaces, collaborations and their relationships.



# System Testing

## **SOFTWARE TESTING TECHNIQUES:**

Software testing is a critical element of software quality assurance and represents the ultimate review of specification, designing and coding.

## **TESTING OBJECTIVES:**

1. Testing is process of executing a program with the intent of finding an error.
2. A good test case design is one that has a probability of finding an as yet undiscovered error.
3. A successful test is one that uncovers an as yet undiscovered error.

These above objectives imply a dramatic change in view port.

Testing cannot show the absence of defects, it can only show that software errors are present.

There are three types of testing strategies

1. Unit test
2. Integration test
3. Performance test

## **Unit Testing:**

Unit testing focuses verification efforts on the smallest unit of software design module. The unit test is always white box oriented. The tests that occur as part of unit testing are testing the module interface, examining the local data structures, testing the boundary conditions, execution all the independent paths and testing error-handling paths.

### **Integration Testing:**

Integration testing is a systematic technique or construction the program structure while at the same time conducting tests to uncover errors associated with interfacing. Scope of testing summarizes the specific functional, performance, and internal design characteristics that are to be tested. It employs top-down testing and bottom-up testing methods for this case.

### **Performance Testing:**

Timing for both read and update transactions should be gathered to determine whether system functions are being performed in an acceptable timeframe.

# Output Screen of Project

## Home Page

**GYM MS**  
Gym Management System

HOME ABOUT CONTACT ADMIN

Login

## HOME

Physical Activity Or Can Improve Your Health

### PRICING PLANS

Practice Yoga to perfect physical beauty, take care of your soul and enjoy life more fully

Package Name	Price	Duration	Details	Action
FREE FITNESS GEAR PACKAGE	600	3 MONTH	Free Fitness Gear: Complimentary OnePass	BOOKING NOW
3 MONTHS MEMBERSHIP PACKAGE	800	3 MONTH	Book Six Days Different Trainers Class designed for fast Weight Loss / Weight Gain with combination of Latest Workouts in addition to complimentary access to gym area with personal training.	BOOKING NOW
HGFHFGDFGDF	12000	4 MONTH	hfdghfdgh fdghfdg	BOOKING NOW

Gym Management System

# About Us

GYM MS  
Gym Management System

HOME ABOUT CONTACT ADMIN

Login

## ABOUT GYM MANAGEMENT SYSTEM

### ABOUT US

This paragraph We are a bunch of curious and intellectual professionals who out of boredom from the monotonous routine, established Brand Beavers in Mumbai to emerge as problem solvers. Our team of entrepreneurs, thinkers, strategists, designers, and rethinkingers will help you to emerge as an effective and disruptive brand all over the globe. Our brainstorming and amicable individuals go beyond their comfort zone to satisfy the customer's requirements.

GYM Management System

# Contact Us

GYM MS  
Gym Management System

HOME ABOUT CONTACT ADMIN

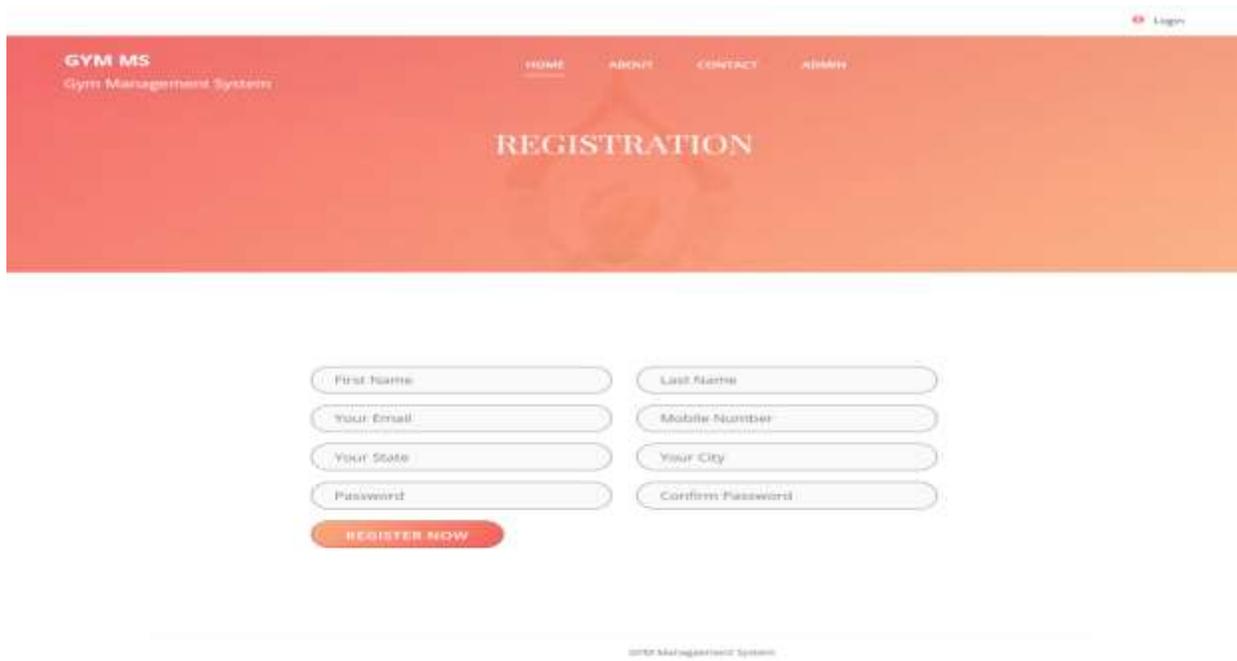
Login

## CONTACT US

Email: info@yourdomain.com  
Contact No: 1234567890, 1122334455  
Address: Text Address

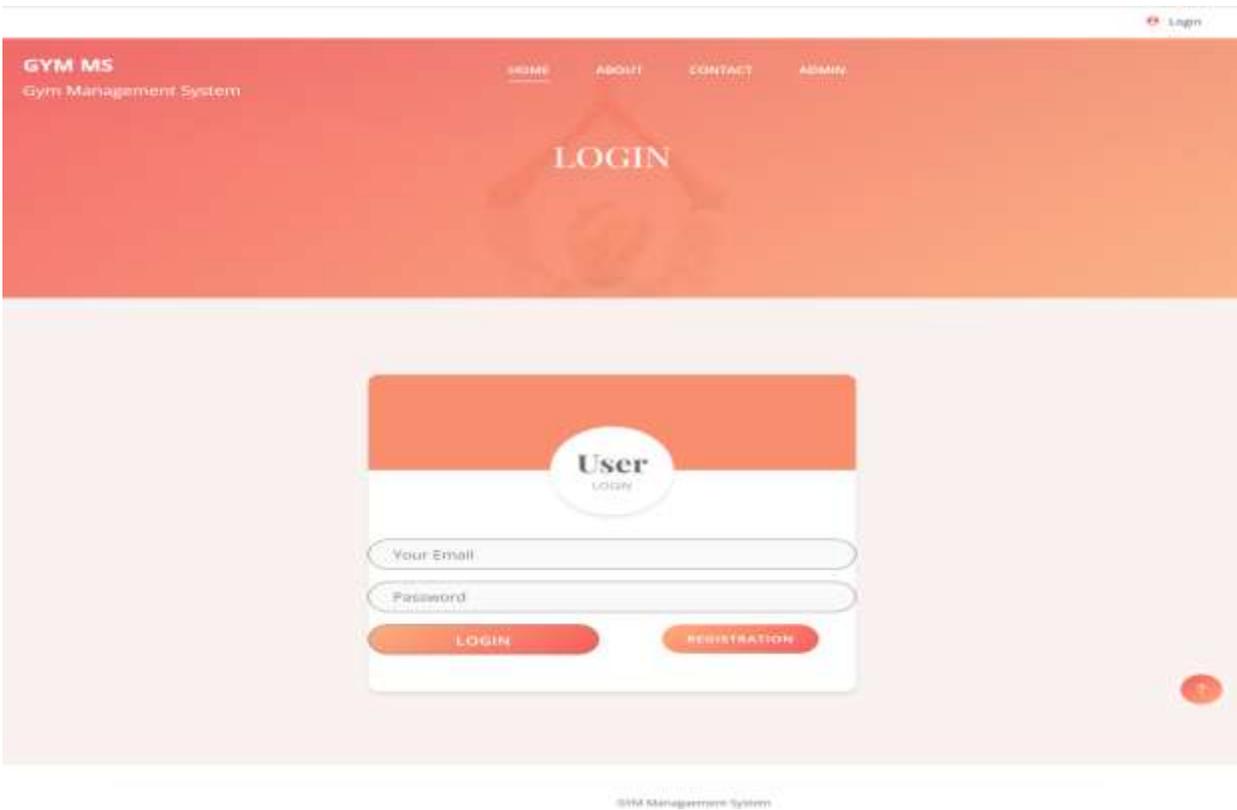
GYM Management System

# User Registration



The registration form is displayed on a page with a red header. The header contains the logo 'GYM MS Gym Management System' on the left and navigation links 'HOME', 'ABOUT', 'CONTACT', and 'ADMIN' in the center. A 'Login' link is on the right. The main heading 'REGISTRATION' is centered in the red area. The form itself is centered on a white background and consists of two columns of input fields: 'First Name', 'Last Name', 'Your Email', 'Mobile Number', 'Your State', 'Your City', 'Password', and 'Confirm Password'. A red 'REGISTER NOW' button is positioned below the first column. A footer at the bottom reads '© 2024 Gym Management System'.

# User Login



The login form is shown on a page with a red header. The header includes the 'GYM MS Gym Management System' logo and navigation links 'HOME', 'ABOUT', 'CONTACT', and 'ADMIN'. A 'Login' link is on the right. The main heading 'LOGIN' is centered in the red area. The form is a white card with a red header that says 'User LOGIN'. It contains two input fields: 'Your Email' and 'Password'. Below these are two buttons: 'LOGIN' and 'REGISTRATION'. A red circular icon is in the bottom right corner of the page. The footer at the bottom reads '© 2024 Gym Management System'.

# Profile

[My Profile](#) [Change Password](#) [Logout](#)

**GYM MS**  
Gym Management System

[HOME](#) [ABOUT](#) [CONTACT](#) [BOOKING HISTORY](#)

## PROFILE

Test	Demo
test@gmail.com	9789708779
Bihar	Patna
Address	
<b>UPDATE</b>	

GYM Management System

# Change Password

[My Profile](#) [Change Password](#) [Logout](#)

**GYM MS**  
Gym Management System

[HOME](#) [ABOUT](#) [CONTACT](#) [BOOKING HISTORY](#)

## CHANGEPASSWORD

CHANGEPASSWORD

Old Password

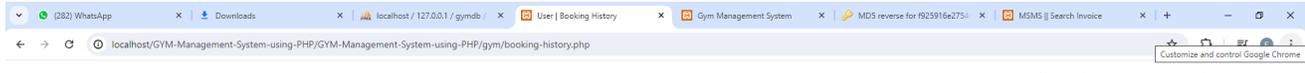
New Password

confirm Password

**SUBMIT**

GYM Management System

# Booking History



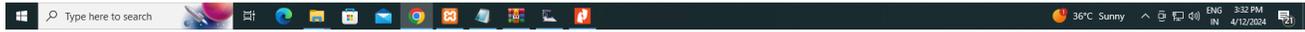
**GYM MS**  
Gym Management System

[HOME](#) [ABOUT](#) [CONTACT](#) [BOOKING HISTORY](#)

## BOOKING HISTORY

Sr.No	bookingdate	title	PackageDuratiobn	price	Description	category_name	PackageName	Action
-------	-------------	-------	------------------	-------	-------------	---------------	-------------	--------

GYM Management System



**Admin Login**

*G2MMS | Admin login*

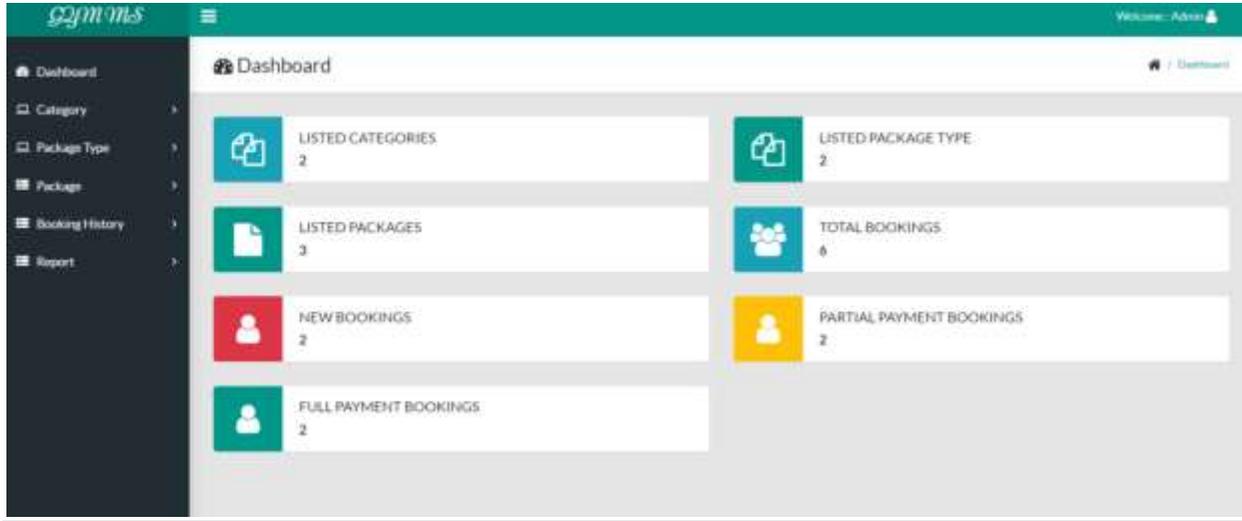
 **SIGN IN**

Email

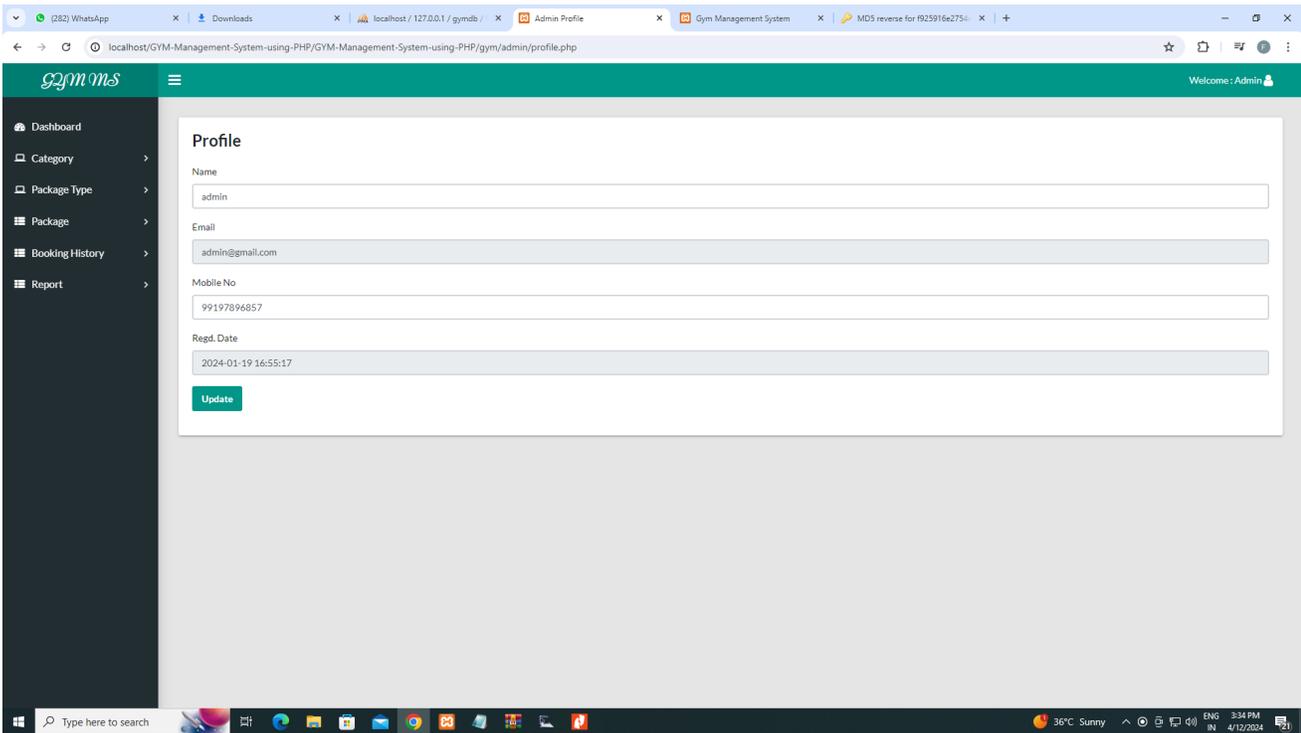
PASSWORD

[Back to Home Page](#)

# Dashboard



# Profile



## Change Password

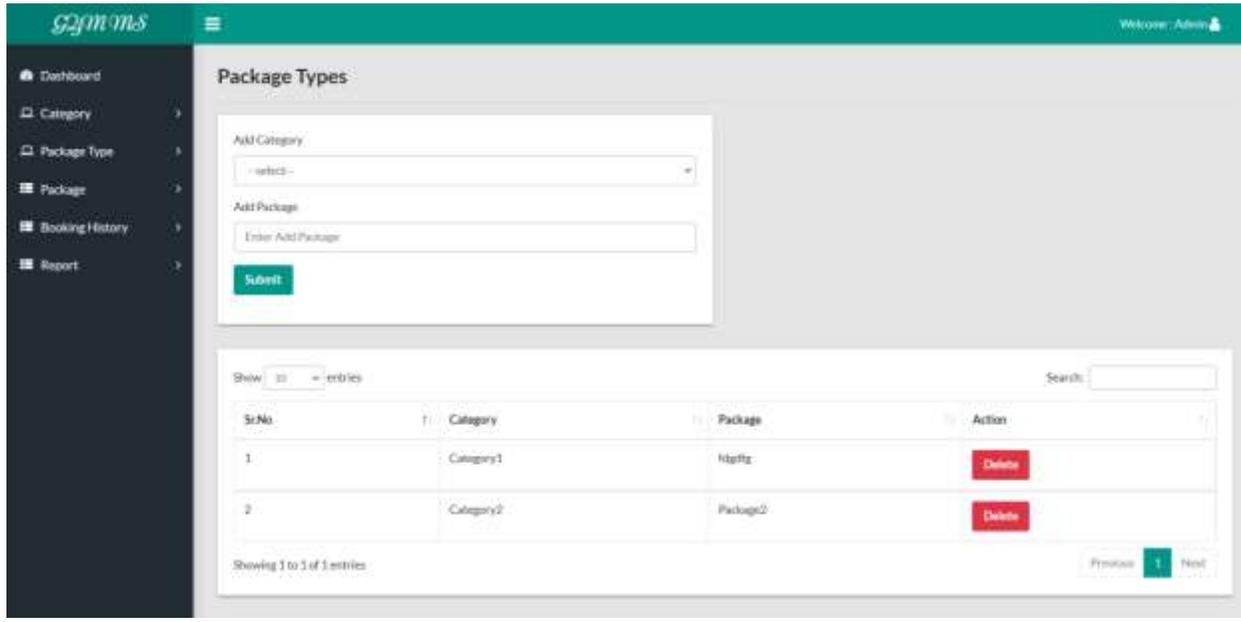
The screenshot shows the 'Change Password' form in the gymms admin interface. The form is located in the main content area, with a dark sidebar on the left containing navigation links: Dashboard, Category, Package Type, Package, Booking History, and Report. The top header is green with the gymms logo and a user profile icon labeled 'Welcome: Admin'. The form itself has a white background and contains three input fields: 'Old Password', 'New Password', and 'Confirm Password'. Below these fields is a green 'Submit' button.

## Add/Manage Category

The screenshot shows the 'Add/Manage Category' page in the gymms admin interface. The page is titled 'Categories' and features a dark sidebar on the left with navigation links: Dashboard, Category, Package Type, Package, Booking History, and Report. The top header is green with the gymms logo and a user profile icon labeled 'Welcome: Admin'. The main content area contains an 'Add Category' form with a text input field labeled 'Enter Add Category' and a green 'Submit' button. Below the form is a table with two columns: 'Sr.No' and 'Name', and an 'Action' column. The table contains two rows of data. At the bottom of the table, there is a pagination control showing 'Showing 1 to 1 of 1 entries' and buttons for 'Previous', '1', and 'Next'.

Sr.No	Name	Action
1	Category1	Delete
2	Category2	Delete

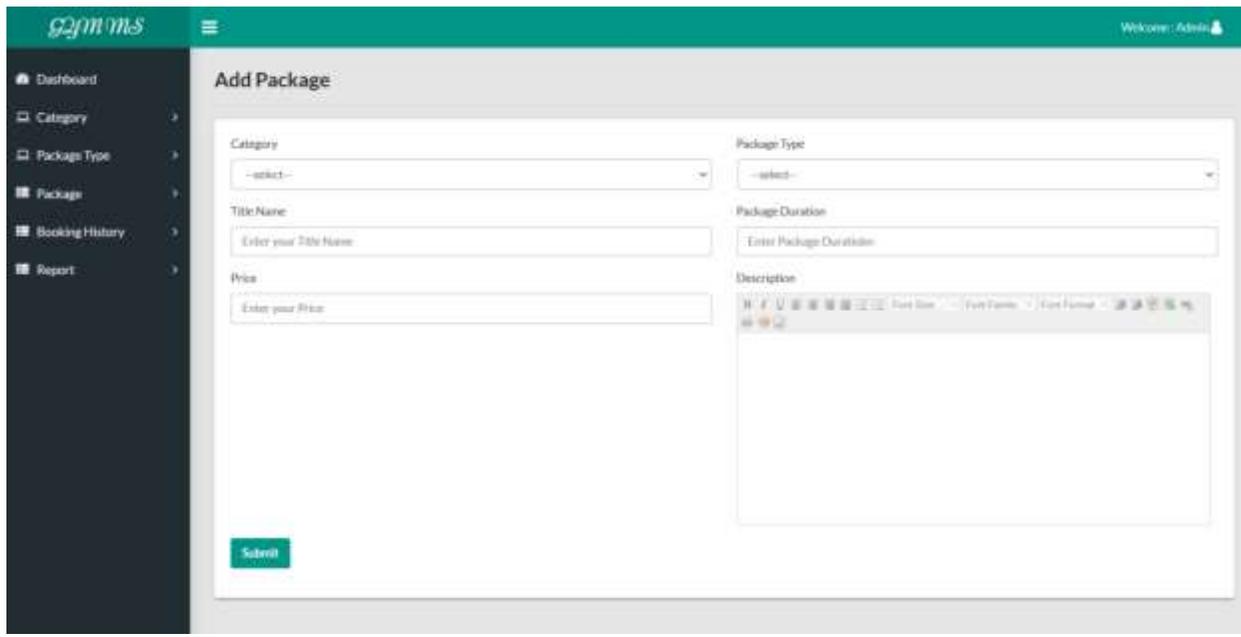
## Add/Manage Package



The screenshot shows the 'Package Types' management interface. At the top, there is a header with the logo 'g2mms' and a user profile 'Welcome: Admin'. A dark sidebar on the left contains navigation links: Dashboard, Category, Package Type, Package, Booking History, and Report. The main content area is titled 'Package Types' and features a form for adding a new category and package. The form includes a dropdown for 'Add Category' (currently showing '-select-'), a text input for 'Add Package' (placeholder: 'Enter Add Package'), and a green 'Submit' button. Below the form is a table listing existing package types. The table has columns for 'Sl.No.', 'Category', 'Package', and 'Action'. Two entries are visible: one with 'Category1' and 'Package1', and another with 'Category2' and 'Package2'. Each entry has a red 'Delete' button in the 'Action' column. At the bottom of the table, it says 'Showing 1 to 1 of 1 entries' and includes 'Previous' and 'Next' navigation buttons.

Sl.No.	Category	Package	Action
1	Category1	Package1	Delete
2	Category2	Package2	Delete

## Add Package



The screenshot shows the 'Add Package' form. The header and sidebar are identical to the previous screenshot. The main content area is titled 'Add Package' and contains a form with several fields: 'Category' (dropdown, '-select-'), 'Package Type' (dropdown, '-select-'), 'Title Name' (text input, placeholder: 'Enter your Title Name'), 'Package Duration' (text input, placeholder: 'Enter Package Duration'), and 'Price' (text input, placeholder: 'Enter your Price'). There is also a 'Description' field with a rich text editor toolbar. A green 'Submit' button is located at the bottom left of the form.

## Manage Package

The screenshot shows the 'Manage Packages' interface. At the top, there's a green header with the logo 'gymms' and a user profile 'Wkower Admin'. A dark sidebar on the left contains navigation items: Dashboard, Category, Package Type, Package, Booking History, and Report. The main content area is titled 'Manage Packages' and features a table with columns: Sr.No, Category, Package Type, Title, Package Duration, Price, and Action. The table lists three packages. Below the table, it says 'Showing 1 to 1 of 1 entries' and includes 'Previous' and 'Next' navigation buttons.

Sr.No	Category	Package Type	Title	Package Duration	Price	Action
1	Category1	Idpfg	Free Fitness Gear Package	3 Month	600	<a href="#">Edit</a>
2	Category1	Idpfg	3 Months Membership Package	6 Month	800	<a href="#">Edit</a>
3	Category1	Idpfg	Highlighted	4 Month	12000	<a href="#">Edit</a>

## Update Package

The screenshot shows the 'Update Post' form. The header and sidebar are identical to the previous screenshot. The form is divided into two columns. The left column contains: Category (dropdown menu with 'Category1' selected), Title Name (text input with 'Free Fitness Gear Package'), and Price (text input with '600'). The right column contains: Package Type (dropdown menu with 'Idpfg' selected), Package Duration (text input with '3 Month'), and Description (rich text editor with 'Free Fitness Gear Complimentary OnePass'). A green 'Submit' button is located at the bottom left of the form area.

# New Booking

## New Bookings

Show  entries

Search:

Sr.No	bookingid	Name	Email	bookingdate	PackageName	Title	Action
No data available in table							

Showing 0 to 0 of 0 entries

[Previous](#) [Next](#)

---

# View new booking

## All Bookings

Show  entries

Search:

Sr.No	bookingid	Name	Email	bookingdate	PackageName	Title	Action
No data available in table							

Showing 0 to 0 of 0 entries

[Previous](#) [Next](#)

# Booking Report

---

**Booking Report**

From Date  To Date

---

# View Registration Report

**Registration Report**

From Date  To Date

# Conclusion

The project titled as **Gym Management System** was deeply studied and analyzed to design the code and implement. It was done under the guidance of the experienced project guide. All the current requirements and possibilities have been taken care during the project time.

**Gym Management System** is a web based application which secures and manages note information that are important to the users.

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## **For MySQL**

- <https://www.mysql.com/>
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## **For XAMPP**

- <https://www.apachefriends.org/download.html>

**Project Report**

**On**

**MAID HIRING MANAGEMENT SYSTEM**

Submitted in partial fulfillment of the requirements for the award of degree of

**M.Sc (INFORMATION TECHNOLOGY)**

**TO**

**SHANTI DEVI ARYA MAHILA COLLEGE**

**DINANAGAR**



**Submitted To:-**

**Ms. Radhika**

**Assistant Professor**

**Post Graduate Dept. Of Computer Science & IT**

**Submitted By:**

**Sakshi**

**(20862225405)**

**Ritika**

**(20862225408)**

**POST GRADUATE DEPARTMENT OF COMPUTER Sc. & IT**

**GURU NANAK DEV UNIVERSITY, AMRITSAR**

## **ACKNOWLEDGEMENT**

With deep sense of gratitude we express our sincere thanks and obligation to our esteemed guide Ms. Radhika (Assistant Professor). It is because of her able and mature guidance and co-operation without which it would not have been possible for us to complete our project.

We would also like to thank Dr. Deepak Jyoti, HOD, Post Graduate Dept. of Comp Sc. & IT, Shanti Devi Arya Mahila College, Dinanagar for providing the institute with an environment where one can use her intellect and creativity to develop something fruitful and also for allowing us the opportunity to experience dynamic professional environment during our Training. This environment facilitated us in pursuing this project.

It is our pleasant duty to thank all the staff members of the Computer Department for their time to time suggestions.

Finally, we would like to thank the almighty and our parents for their moral support and our friends with whom we shared our day-to-day experience and received lots of suggestions that improved our quality of work.

**Sakshi**

**20862225405**

**Ritika**

**20862225408**

## **CERTIFICATE OF APPROVAL**

This is certify that the project report entitled **MAID HIRING MANAGEMENT SYSTEM** submitted to Shanti Devi Arya Mahila College, Dinanagar in partial fulfillment of the requirement for the award of degree of M.Sc (Information Technology) , is an authentic and original work carried out by Sakshi (20862225405) Ritika (20862225408) under my guidance and supervision. The Post Graduate dept. of Comp Sc. & IT has accepted the report as the fulfillment of the requirements for the degree of Master of Information Technology. No part of this report has been submitted to any other College/University for the reward of any Degree to the best of my knowledge.

**Ms. Radhika**

**Assistant Professor (Comp Sc.)**

**(Project Supervisor)**

**Shanti Devi Arya Mahila College**

**Dinanagar**

**Dr. Deepak Jyoti**

**Head, PG Department of Comp Sc. & IT**

**Shanti Devi Arya Mahila College**

**Dinanagar**

## **DECLARATION**

We hereby declare that this project report on “MAID HIRING MANAGEMENT SYSTEM” which is being submitted in partial fulfillment of the Training Programme of M.Sc (Information Technology) to Shanti Devi Arya Mahila College, Dinanagar, is the result of the work carried out by us, under the guidance of Ms. Radhika (Assistant Professor). Shanti Devi Arya Mahila College, Dinanagar

**Sakshi**

**20862225405**

**Ritika**

**20862225408**

## **Abstract**

The aim of 'Maid Hiring Management System' is to automate its existing manual system by the help of computerized equipment and full-fledge computer software, fulfilling their requirements so that their valuable date can be stored for a longer period with easy accessing and manipulation of the same. Basically the project describes how to handle good performance and provide better services to clients. This project can lead to error free, secure, reliable and fast management system. This system will help the organization in better utilization of resources.

# Introduction

## **Introduction:-**

The Maid Hiring Management System has been designed to override the problem of existing manual system. This web application is supported to eliminate and in some case reduce the hardship faced by manual system. The application is reduced as much as possible to avoid errors while entering the data. It's also provide message while entering invalid data. No formal knowledge is required for the user to operate this system. Overall we said that Maid Hiring Management System is user friendly.

In Maid Hiring Management System we use PHP and MySQL Database. This project keeps the records of maids and booking request of maid. Maid Hiring Management System has two module i.e. admin and user.

## **Admin Module**

- 1. Home:** In this section, admin can briefly view the total new booking, approved/assign booking, Cancelled Booking, Total category of maid.
- 2. Category:** In this section, admin can manage category (add/update/delete).
- 3. Maid:** In this section, admin can manage maid(add/update/delete).
- 4. Page:** In this section, admin can manage about us and contact us pages..
- 5. Maid Hiring Request:** In this section, admin can view new maid request, approved and canceled maid booking request. In this section admin also assign maid to booking request.
- 6. Search:** In this section, admin can search maid and booking details with the help of his/her maidid and booking number respectively.

Admin can also update his profile, change the password and recover the password.

## **User Module**

- 1. Home:** It is a welcome page for users.
- 2. About:** It is a about us page of website.
- 3. Request for Maid:** In this section, user can sent request for maid.
- 4. Contact:** It is a contact us page where users can check the contact details.

## **Objective**

The main objective of the Maid Hiring Management System project is to manage the details of Maids and Booking request. This Maid Hiring Management System will definitely reduce the time, energy and money wasted in manually searching the details of the maid booking and maid details. With the help of this software, all the services and users can be properly channelized.

## **Existing System**

The present scenario offers manual data entry. A lot of time is wasted in creating the reports as well as maintaining them. In case, if any query arises to get the information about the booking, queries and registered users, the whole report is re-typed or xeroxed. This seriously affects the authentication of the system. This Maid Hiring Management System is totally outdated and involves high risk of ambiguity and redundancy.

## **Proposed System**

The proposed Maid Hiring Management System is to have everything completely automated and computerized. The software is very easy to use and manage even for a non technical person. The redundancy and ambiguity will be removed by assigning every booking a unique number (i.e Booking Number).

# Requirement Specification

## Hardware Configuration:

### Client Side:

<b>RAM</b>	512 MB
<b>Hard disk</b>	10 GB
<b>Processor</b>	1.0 GHz

### Server side:

<b>RAM</b>	<b>1 GB</b>
<b>Hard disk</b>	<b>20 GB</b>
<b>Processor</b>	<b>2.0 GHz</b>

## Software Requirement:

### Client Side:

<b>Web Browser</b>	Google Chrome or any compatible browser
<b>Operating System</b>	Windows or any equivalent OS

## Server Side:

<b>Web Server</b>	APACHE
<b>Server side Language</b>	PHP5.6 or above version
<b>Database Server</b>	MYSQL
<b>Web Browser</b>	Google Chrome or any compatible browser
<b>Operating System</b>	Windows or any equivalent OS

## APACHE

The Apache HTTP Server Project is an effort to develop and maintain an open-source HTTP server for modern operating systems including UNIX and Windows. The goal of this project is to provide a secure, efficient and extensible server that provides HTTP services in sync with the current HTTP standards.

The Apache HTTP Server ("httpd") was launched in 1995 and it has been the most popular web server on the Internet since April 1996. It has celebrated its 20th birthday as a project in February 2015.

## PHP

- PHP stands for PHP: Hypertext Preprocessor.

- PHP is a server-side scripting language, like ASP.
- PHP scripts are executed on the server.
- PHP supports many databases (MYSQL, Informix, Oracle, Sybase, Solid, Generic ODBC, etc.).
- PHP is an open source software .
- PHP is free to download and use.

## **MYSQL**

- MYSQL is a database server
- MYSQL is ideal for both small and large applications
- MYSQL supports standard SQL
- MYSQL compiles on a number of platforms
- MYSQL is free to download and use

How to access MySQL: <http://localhost/phpmyadmin>

# Analysis and Design

## **Analysis:**

The present scenario offers manual data entry. A lot of time is wasted in creating the reports as well as maintaining them. In case, if any query arises to get the information about the client, the whole report is re-typed or Xeroxed. This seriously affects the authentication of the system. This Client Management System is totally outdated and involves high risk of ambiguity and redundancy.

## **Disadvantage of present system:**

- **Not user friendly:** The present system not user friendly because data is not stored in structure and proper format.
- **Manual Control:** All report calculation is done manually so there is a chance of error.
- **Lots of paper work:** Visitors maintain in the register so lots of paper require storing details.
- **Time consuming**

## **Design Introduction:**

Design is the first step in the development phase for any techniques and principles for the purpose of defining a device, a process or system in sufficient detail to permit its physical realization.

Once the software requirements have been analyzed and specified the software design involves three technical activities - design, coding, implementation and testing that are required to build and verify the software.

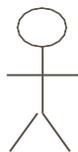
The design activities are of main importance in this phase, because in this activity, decisions ultimately affecting the success of the software implementation and its ease of maintenance are made. These decisions have the final bearing upon reliability and maintainability of the system. Design is the only way to accurately translate the customer's requirements into finished software or a system.

Design is the place where quality is fostered in development. Software design is a process through which requirements are translated into a representation of software. Software design is conducted in two steps. Preliminary design is concerned with the transformation of requirements into data

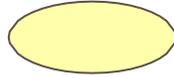
### UML Diagrams:

Actor:

A coherent set of roles that users of use cases play when interacting with the use `cases.



Use case: A description of sequence of actions, including variants, that a system performs that yields an observable result of value of an actor.



UML stands for Unified Modeling Language. UML is a language for specifying, visualizing and documenting the system. This is the step while developing any product after analysis. The goal from this is to produce a model of the entities involved in the project which later need to be built. The representation of the entities that are to be used in the product being developed need to be designed.

### **USECASE DIAGRAMS:**

Use case diagrams model behavior within a system and helps the developers understand of what the user require. The stick man represents what's called an actor.

Use case diagram can be useful for getting an overall view of the system and clarifying who can do and more importantly what they can't do.

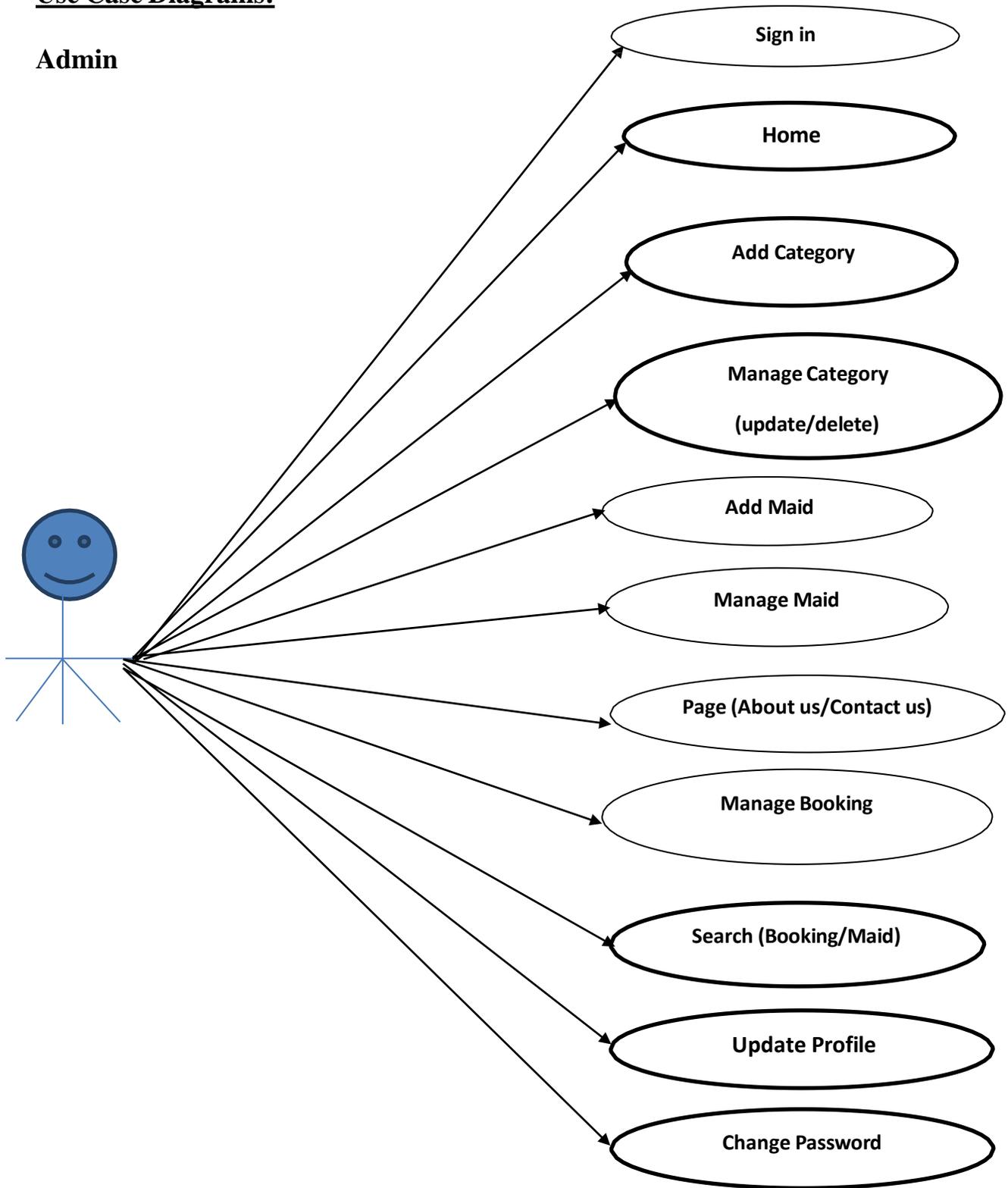
Use case diagram consists of use cases and actors and shows the interaction between the use case and actors.

- The purpose is to show the interactions between the use case and actor.
- To represent the system requirements from user's perspective.
- An actor could be the end-user of the system or an external system.

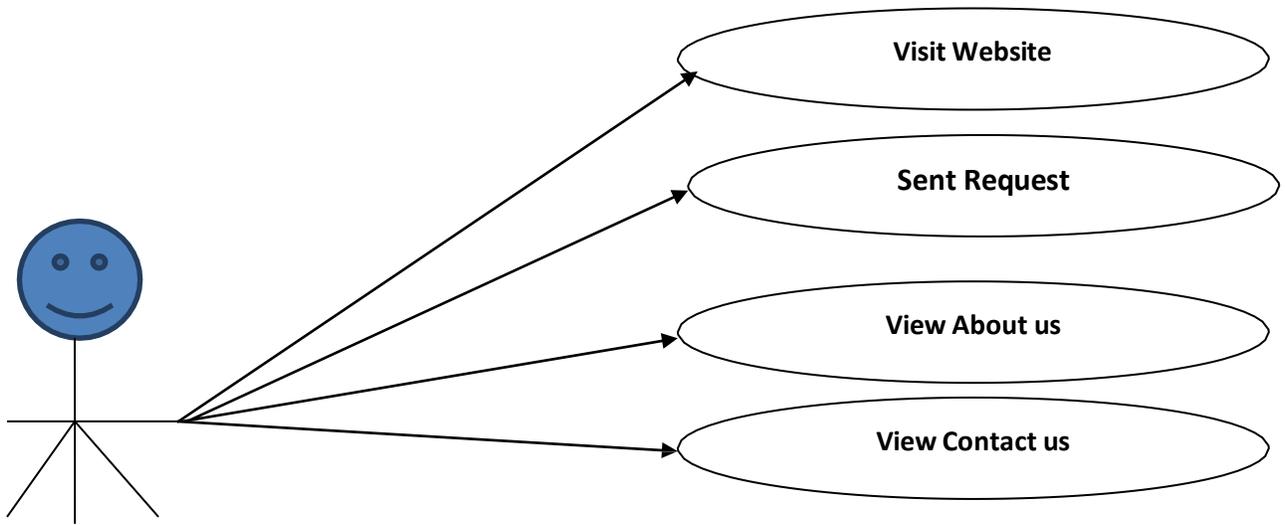
**USECASE DIAGRAM:** A Use case is a description of set of sequence of actions. Graphically it is rendered as an ellipse with solid line including only its name. Use case diagram is a behavioral diagram that shows a set of use cases and actors and their relationship. It is an association between the use cases and actors. An actor represents a real-world object. Primary Actor – Sender, Secondary Actor Receiver.

**Use Case Diagrams:**

**Admin**

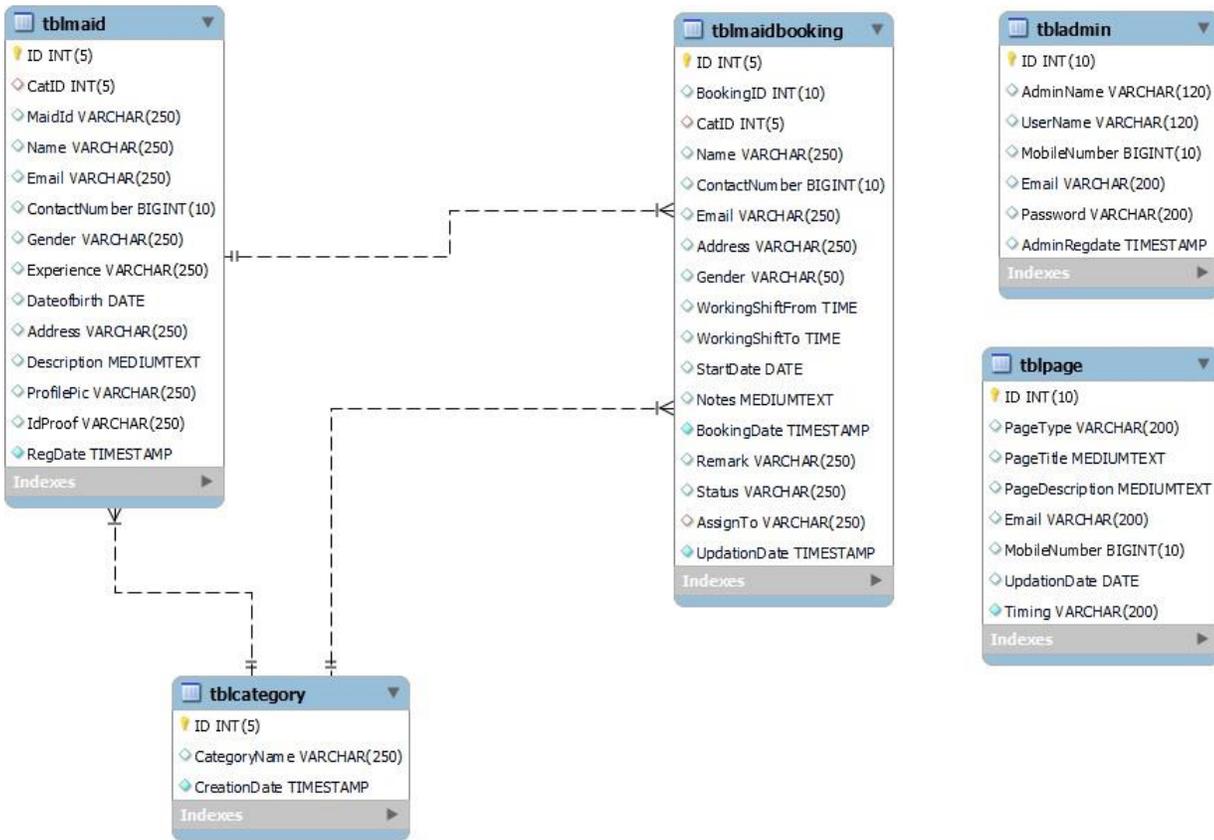


# Users



## Class Diagram:

A description of set of objects that share the same attributes operations, relationships, and semantics



## **ER Diagram:**

The Entity-Relationship (ER) model was originally proposed by Peter in 1976 [Chen76] as a way to unify the network and relational database views. Simply stated the ER model is a conceptual data model that views the real world as entities and relationships. A basic component of the model is the Entity-Relationship diagram which is used to visually represent data objects. Since Chen wrote his paper the model has been extended and today it is commonly used for database design for the database designer, the utility of the ER model is:

- It maps well to the relational model. The constructs used in the ER model can easily be transformed into relational tables.
- It is simple and easy to understand with a minimum of training. Therefore, the model can be used by the database designer to communicate the design to the end user.
- In addition, the model can be used as a design plan by the database developer to implement a data model in specific database management software.

## **ER Notation**

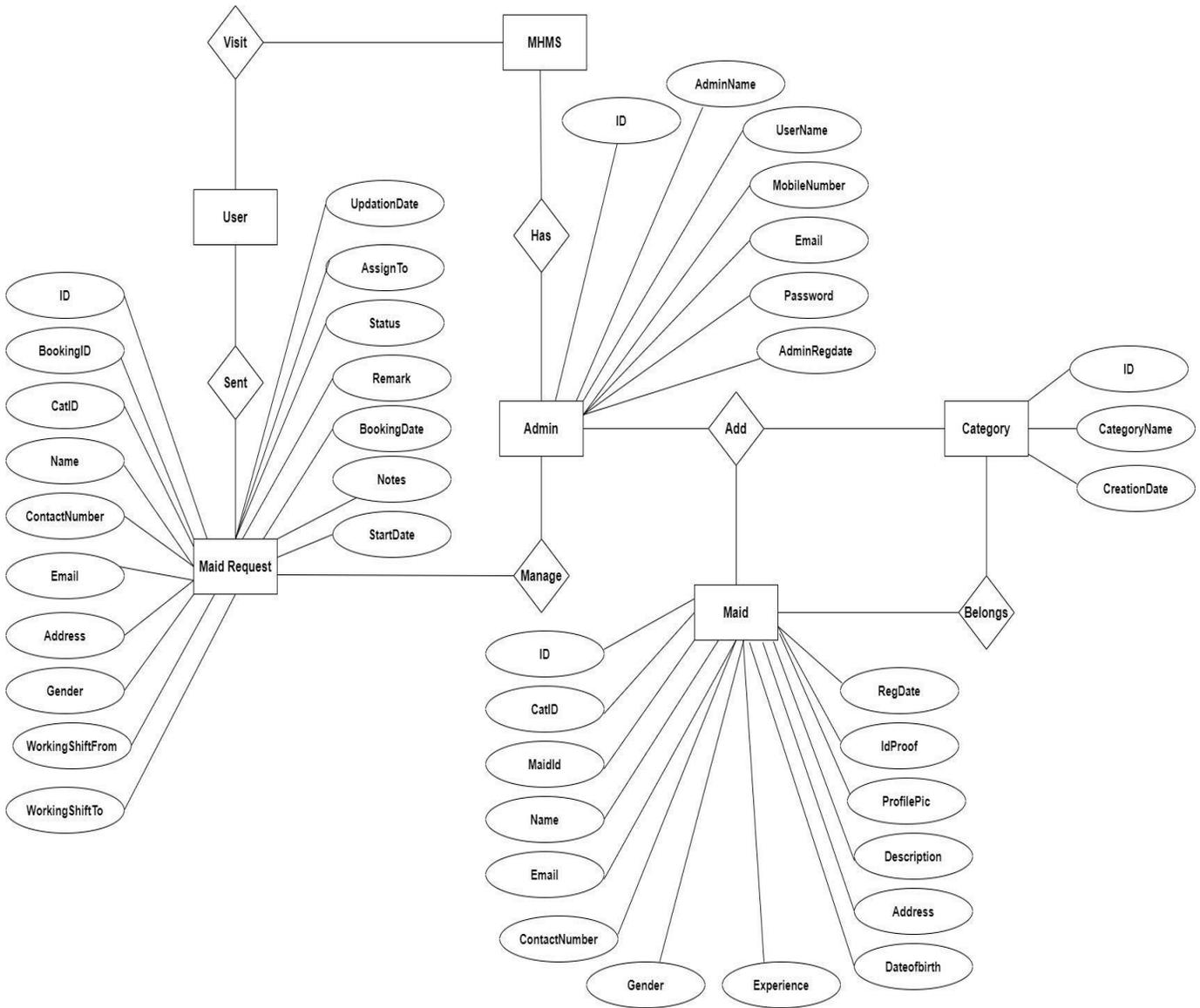
There is no standard for representing data objects in ER diagrams. Each modeling methodology uses its own notation. The original notation used by Chen is widely used in academics texts and journals but rarely seen in either CASE tools or publications by non-academics. Today, there are a number of notations used; among the more common are Bachman, crow's foot, and IDEFIX.

All notational styles represent entities as rectangular boxes and relationships as lines connecting boxes. Each style uses a special set of symbols to represent the cardinality of a connection. The notation used in this document is from Martin. The symbols used for the basic ER constructs are:

- **Entities** are represented by labeled rectangles. The label is the name of the entity. Entity names should be singular nouns.
- **Relationships** are represented by a solid line connecting two entities. The name of the relationship is written above the line. Relationship names should be verbs
- **Attributes**, when included, are listed inside the entity rectangle. Attributes which are identifiers are underlined. Attribute names should be singular nouns.
- **Cardinality** of many is represented by a line ending in a crow's foot. If the crow's foot is omitted, the cardinality is one.

**Existence** is represented by placing a circle or a perpendicular bar on the line. Mandatory existence is shown by the bar (looks like a 1) next to the entity for an instance is required. Optional existence is shown by placing a circle next to the entity that is optional.

# ER Diagram



## Data Flow Diagram

### Data Flow Diagrams

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It can be manual, automated, or a combination of both.

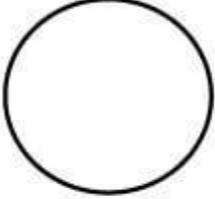
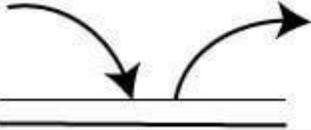
It shows how data enters and leaves the system, what changes the information, and where data is stored.

The objective of a DFD is to show the scope and boundaries of a system as a whole. It may be used as a communication tool between a system analyst and any person who plays a part in the order that acts as a starting point for redesigning a system. The DFD is also called as a data flow graph or bubble chart.

### **The following observations about DFDs are essential:**

1. All names should be unique. This makes it easier to refer to elements in the DFD.
2. Remember that DFD is not a flow chart. Arrows in a flow chart that represents the order of events; arrows in DFD represents flowing data. A DFD does not involve any order of events.
3. Suppress logical decisions. If we ever have the urge to draw a diamond-shaped box in a DFD, suppress that urge! A diamond-shaped box is used in flow charts to represent decision points with multiple exists paths of which the only one is taken. This implies an ordering of events, which makes no sense in a DFD.
4. Do not become bogged down with details. Defer error conditions and error handling until the end of the analysis.

Standard symbols for DFDs are derived from the electric circuit diagram analysis and are shown in fig:

Symbol	Name	Function
	Data flow	Used to Connect Processes to each other, to sources or Sinks; the arrow head indicates direction of data flow.
	Process	Performs Some transformation of Input data to yield output data.
	Source of Sink (External Entity)	A Source of System inputs or Sink of System outputs.
	Data Store	A repository of data; the arrow heads indicate net inputs and net outputs to store.

**Symbols for Data Flow Diagrams**

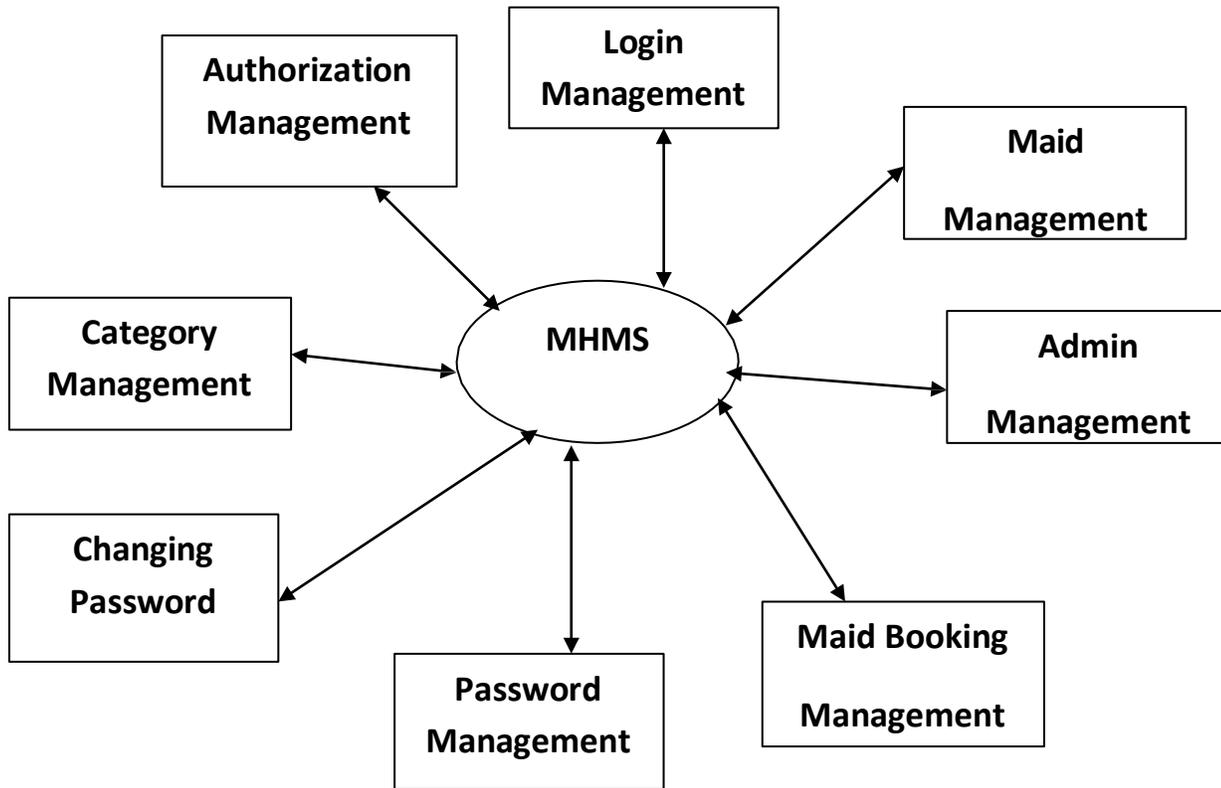
**Circle:** A circle (bubble) shows a process that transforms data inputs into data outputs.

**Data Flow:** A curved line shows the flow of data into or out of a process or data store.

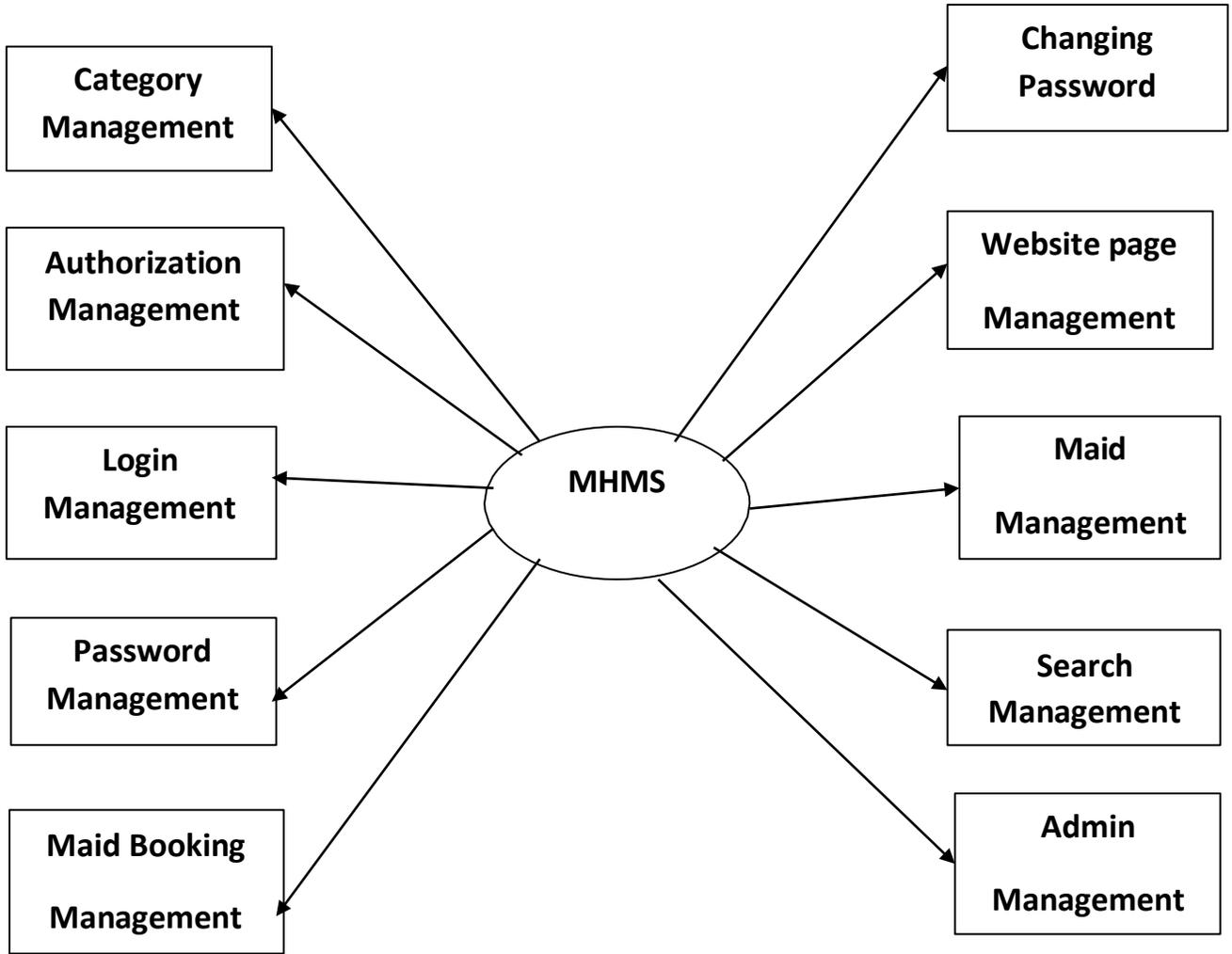
**Data Store:** A set of parallel lines shows a place for the collection of data items. A data store indicates that the data is stored which can be used at a later stage or by the other processes in a different order. The data store can have an element or group of elements.

**Source or Sink:** Source or Sink is an external entity and acts as a source of system inputs or sink of system outputs.

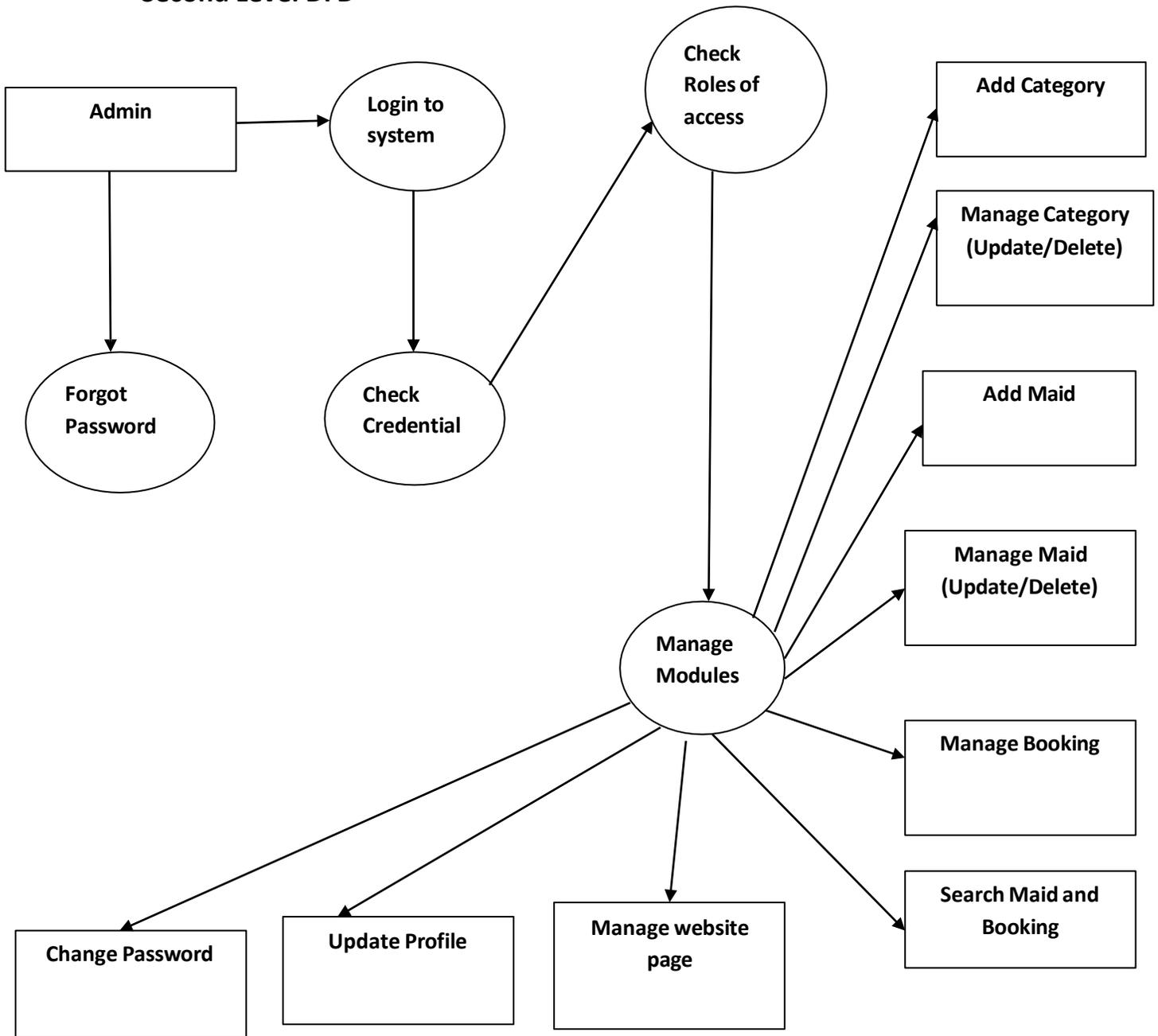
## Zero Level DFD

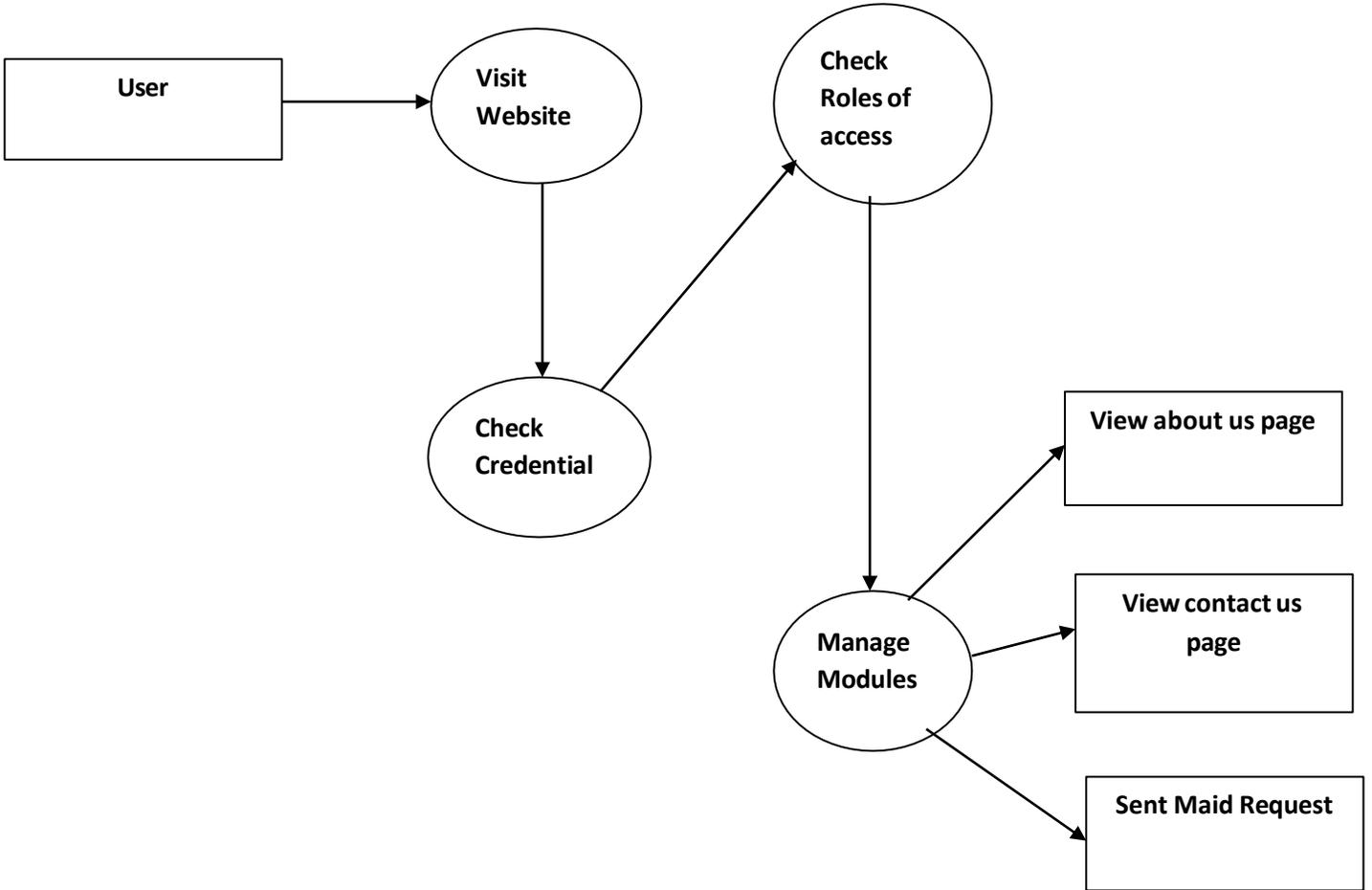


**First level**



## Second Level DFD





## MySQL Data Tables:

### **Admin Table :**(Table name is tbladmin)

This store admin personal and login details.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	ID	int(10)			No	None		AUTO_INCREMENT
2	AdminName	varchar(120)	latin1_swedish_ci		Yes	NULL		
3	UserName	varchar(120)	latin1_swedish_ci		Yes	NULL		
4	MobileNumber	bigint(10)			Yes	NULL		
5	Email	varchar(200)	latin1_swedish_ci		Yes	NULL		
6	Password	varchar(200)	latin1_swedish_ci		Yes	NULL		
7	AdminRegdate	timestamp			Yes	current_timestamp()		

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	ID	1	A	No	

### **Booking Table** (Table name is tblmaidbooking)

This store the detail of making maid request

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	ID	int(5)			No	None		AUTO_INCREMENT
2	BookingID	int(10)			Yes	NULL		
3	CatID	int(5)			Yes	NULL		
4	Name	varchar(250)	latin1_swedish_ci		Yes	NULL		
5	ContactNumber	bigint(10)			Yes	NULL		
6	Email	varchar(250)	latin1_swedish_ci		Yes	NULL		
7	Address	varchar(250)	latin1_swedish_ci		Yes	NULL		
8	Gender	varchar(50)	latin1_swedish_ci		Yes	NULL		
9	WorkingShiftFrom	time			Yes	NULL		
10	WorkingShiftTo	time			Yes	NULL		
11	StartDate	date			Yes	NULL		
12	Notes	mediumtext	latin1_swedish_ci		Yes	NULL		
13	BookingDate	timestamp			No	current_timestamp()		
14	Remark	varchar(250)	latin1_swedish_ci		Yes	NULL		
15	Status	varchar(250)	latin1_swedish_ci		Yes	NULL		
16	AssignTo	varchar(250)	latin1_swedish_ci		Yes	NULL		
17	UpdationDate	timestamp			No	current_timestamp()		ON UPDATE CURRENT_TIMESTAMP()

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	ID	2	A	No	

### **Maid Category Table:** (Table name is tblcategory)

## This store the maid category detail

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	ID	int(5)			No	None		AUTO_INCREMENT
2	CategoryName	varchar(250)	latin1_swedish_ci		Yes	NULL		
3	CreationDate	timestamp			No	current_timestamp()		

### Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	ID	7	A	No	

## Page Table: (Table name is tblpage)

This table stores the about us and contact us.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	ID	int(10)			No	None		AUTO_INCREMENT
2	PageType	varchar(200)	latin1_swedish_ci		Yes	NULL		
3	PageTitle	mediumtext	latin1_swedish_ci		Yes	NULL		
4	PageDescription	mediumtext	latin1_swedish_ci		Yes	NULL		
5	Email	varchar(200)	latin1_swedish_ci		Yes	NULL		
6	MobileNumber	bigint(10)			Yes	NULL		
7	UpdateDate	date			Yes	NULL		
8	Timing	varchar(200)	latin1_swedish_ci		No	None		

### Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	ID	2	A	No	

## Maid Table: (Table name is tblmaid)

This table stores the details of maids available.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	ID	int(5)			No	None		AUTO_INCREMENT
2	CatID	int(5)			Yes	NULL		
3	MaidId	varchar(250)	latin1_swedish_ci		Yes	NULL		
4	Name	varchar(250)	latin1_swedish_ci		Yes	NULL		
5	Email	varchar(250)	latin1_swedish_ci		Yes	NULL		
6	ContactNumber	bigint(10)			Yes	NULL		
7	Gender	varchar(250)	latin1_swedish_ci		Yes	NULL		
8	Experience	varchar(250)	latin1_swedish_ci		Yes	NULL		
9	Dateofbirth	date			Yes	NULL		
10	Address	varchar(250)	latin1_swedish_ci		Yes	NULL		
11	Description	mediumtext	latin1_swedish_ci		Yes	NULL		
12	ProfilePic	varchar(250)	latin1_swedish_ci		Yes	NULL		
13	IdProof	varchar(250)	latin1_swedish_ci		Yes	NULL		
14	RegDate	timestamp			No	current_timestamp()		

### Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	ID	4	A	No	

# Database Schema

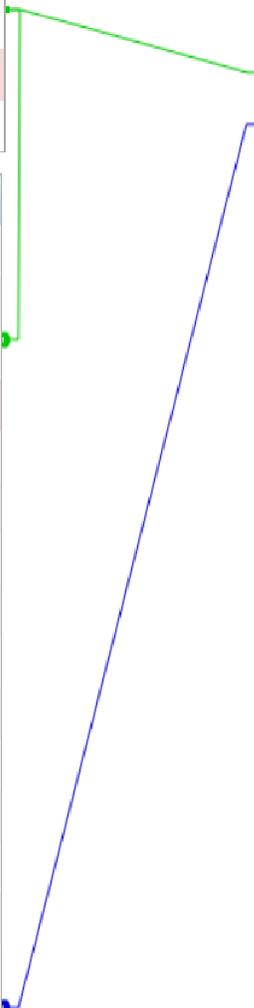
v mhmsdb tblcategory	
ID : int(5)	
CategoryName : varchar(250)	
CreationDate : timestamp	

v mhmsdb tblmaidbooking	
ID : int(5)	
BookingID : int(10)	
CatID : int(5)	
Name : varchar(250)	
ContactNumber : bigint(10)	
Email : varchar(250)	
Address : varchar(250)	
Gender : varchar(50)	
WorkingShiftFrom : time	
WorkingShiftTo : time	
StartDate : date	
Notes : mediumtext	
BookingDate : timestamp	
Remark : varchar(250)	
Status : varchar(250)	
AssignTo : varchar(250)	
UpdationDate : timestamp	

v mhmsdb tblmaid	
ID : int(5)	
CatID : int(5)	
MaidId : varchar(250)	
Name : varchar(250)	
Email : varchar(250)	
ContactNumber : bigint(10)	
Gender : varchar(250)	
Experience : varchar(250)	
Dateofbirth : date	
Address : varchar(250)	
Description : mediumtext	
ProfilePic : varchar(250)	
IdProof : varchar(250)	
RegDate : timestamp	

v mhmsdb tblpage	
ID : int(10)	
PageType : varchar(200)	
PageTitle : mediumtext	
PageDescription : mediumtext	
Email : varchar(200)	
MobileNumber : bigint(10)	
UpdationDate : date	
Timing : varchar(200)	

v mhmsdb tbladmin	
ID : int(10)	
AdminName : varchar(120)	
UserName : varchar(120)	
MobileNumber : bigint(10)	
Email : varchar(200)	
Password : varchar(200)	
AdminRegdate : timestamp	



# **Implementation and System Testing**

After all phase have been perfectly done, the system will be implemented to the server and the system can be used.

## **System Testing**

The goal of the system testing process was to determine all faults in our project .The program was subjected to a set of test inputs and many explanations were made and based on these explanations it will be decided whether the program behaves as expected or not. Our Project went through two levels of testing

1. Unit testing
2. Integration testing

## **UNIT TESTING**

Unit testing is commenced when a unit has been created and effectively reviewed .In order to test a single module we need to provide a complete environment i.e. besides the section we would require

- The procedures belonging to other units that the unit under test calls
- Non local data structures that module accesses
- A procedure to call the functions of the unit under test with appropriate parameters

## 1. Test for the admin module

- **Testing admin login form**-This form is used for log in of administrator of the system. In this form we enter the username and password if both are correct administration page will open otherwise if any of data is wrong it will get redirected back to the login page and again ask the details
- **Report Generation:** admin can generate report from the main database.

## INTEGRATION TESTING

In the Integration testing we test various combination of the project module by providing the input.

The primary objective is to test the module interfaces in order to confirm that no errors are occurring when one module invokes the other module.

# EVALUATION

Project URL: <http://localhost/mhms>

Home Page



[Home](#) [Find a Maid](#) [About](#) [Contact](#) [Admin](#)

Looking To  
Hire A Maid?

[Post Requirement Here >](#)

#### ABOUT US

Maid Hiring Management System (MHMS) offers trained personnel that are pandemic prepared for your home. Select the best maid service and maid agency for your new domestic help.

#### CONTACT INFO

Address of maid manager  
Phone: 780541230  
Email: info@mhms.com

#### IMPORTANT LINK

[Home](#)  
[Contact Us](#)  
[About Us](#)  
[Maid Hiring](#)  
[Admin](#)

# About Us



[Home](#) [Pricing](#) [About](#) [Contact](#) [Admin](#)

# HOUSEKEEPING

## About Us

### About Us

Housekeeping Management System Housekeeping System offers trained personnel that are pandemic prepared for your home. Select the best maid service and maid agency for your new domestic help.

#### ABOUT US

Housekeeping Management System Housekeeping System offers trained personnel that are pandemic prepared for your home. Select the best maid service and maid agency for your new domestic help.

#### CONTACT INFO

Address of your storage  
Phone: 708541230  
Email: info@hms.com

#### IMPORTANT LINK

[Home](#)  
[Contact Us](#)  
[About Us](#)  
[Housekeeping](#)  
[Admin](#)

# Contact Us



[Home](#) [Price & Paid](#) [About](#) [Contact](#) [Admin](#)

# HOUSEKEEPING

## Contact Us

 Address:  
gt road dr manager

 Contact Number:  
759541239

 Send us your query anytime!  
info@gtm.com

### ABOUT US

Maid Hiring Management System  
System Maid-Hiring System offers trained personnel that are pandemic prepared for your home. Select the best maid service and maid agency for your new domestic help.

### CONTACT INFO

Address: gt road dr manager  
Phone: 759541239  
Email: info@gtm.com

### IMPORTANT LINK

[Home](#)  
[Contact Us](#)  
[About Us](#)  
[Maid Hiring](#)  
[Admin](#)

# Request For Maid



Home Trial & Paid About Contact Us

## Hiring Form

# HOUSEKEEPING

[Looking To Hire A Maid?](#)

Post Requirement Here >

**Name:**

**Contact Number:**

**Address to be hired:**

**Gender:**

**Email:**

**Select Service:**

**Work Shift From:**

**Work Shift To:**

**Start Date:**

**Notes:**

### ABOUT US

Maids Hiring Management  
Systems Work Hiring System  
After hours support and  
our passion is to provide  
you with the best  
and most reliable  
service for your  
company.

### CONTACT INFO

Address: 1234 Main St  
Phone: (555) 123-4567  
Email: info@maids.com

### IMPORTANT LINK

Home  
Contact Us  
About Us  
Privacy Policy  
Terms of Service

## Admin Panel

## Login Page

The screenshot shows the login interface for the MAID HIRING MANAGEMENT SYSTEM. At the top, there is a header with the text "MAID HIRING MANAGEMENT SYSTEM" over a background image of hands typing on a keyboard. Below the header, the login form includes the following elements:

- User Name:** A text input field containing the value "admin".
- Password:** A text input field with masked characters "\*\*\*\*\*".
- Remember Me:** A checked checkbox with the label "Remember Me".
- Forgotten Password?:** A red text link.
- Login:** A green button with the text "Login".
- Home Page:** A red text link located at the bottom right of the form.

## Forgot Password

The screenshot shows the forgot password interface for the MAID HIRING MANAGEMENT SYSTEM. At the top, there is a header with the text "MAID HIRING MANAGEMENT SYSTEM" over a background image of hands typing on a keyboard. Below the header, the form includes the following elements:

- Email:** A text input field with the placeholder text "Email".
- Mobile Number:** A text input field with the placeholder text "Mobile Number".
- New Password:** A text input field with the placeholder text "New Password".
- Confirm Password:** A text input field with the placeholder text "Confirm Password".
- RESET:** A green button with the text "RESET".
- Login:** A red text link located at the bottom right of the form.

# Dashboard

Admin User  
admin@gmail.com

MAID HIRING MANAGEMENT SYSTEM

Admin User

### Dashboard

7  
Total Category

[View Details](#)

4  
Listed Maids

[View Details](#)

0  
New Request

[View Details](#)

5  
Assign Request

[View Detail](#)

1  
Canceled / Rejected Requests

[View Details](#)

6  
Total Request

[View Details](#)

General

- Dashboard
- Category
- Maid
- Maid Hiring Request
- Pages
- Search

# Admin Profile

Admin User  
admin@gmail.com

MAID HIRING MANAGEMENT SYSTEM

Admin User

### Admin Profile

Profile

Admin Name  
Admin User

User Name  
admin

Contact Number  
8979555558

Email  
admin@gmail.com

Admin Registration Date  
2024-03-10 10:06:52

[Update](#)

General

- Dashboard
- Category
- Maid
- Maid Hiring Request
- Pages
- Search

Maid Hiring Management System.

## Change Password



Admin User  
admin@gmail.com

MAID HIRING MANAGEMENT SYSTEM



Change Password

Change Password

Current Password

New Password

Confirm Password

Update

Maid Hiring Management System. All rights reserved.

## Add Category



Admin User  
admin@gmail.com

MAID HIRING MANAGEMENT SYSTEM



Add Category

Add Category

Category Name

Add

Maid Hiring Management System. All rights reserved.

# Manage Category

Admin User  
admin@gmail.com

**MAID HIRING MANAGEMENT SYSTEM**

Admin User

Manage Category

Manage Category

S.No	Category Name	Creation Date	Action
1	Dusting	2024-03-31 18:22:51	<a href="#">Edit</a> <a href="#">Delete</a>
2	Mopping	2024-03-12 18:22:51	<a href="#">Edit</a> <a href="#">Delete</a>
3	Dusting and Mopping	2024-03-14 18:22:51	<a href="#">Edit</a> <a href="#">Delete</a>
4	Utensil Cleaning	2024-03-31 18:22:51	<a href="#">Edit</a> <a href="#">Delete</a>
5	Toilet Cleaning	2024-03-31 18:22:51	<a href="#">Edit</a> <a href="#">Delete</a>
6	Dusting, Utensil and Mopping	2024-03-15 18:22:51	<a href="#">Edit</a> <a href="#">Delete</a>
7	cooking	2024-03-31 18:27:02	<a href="#">Edit</a> <a href="#">Delete</a>

Maid Hiring Management System.

# Update Category

Admin User  
admin@gmail.com

**MAID HIRING MANAGEMENT SYSTEM**

Admin User

Update Category

Update Category

Category Name

Mopping

[Update](#)

Maid Hiring Management System. All rights reserved.

# Add Maid

Admin User  
admin@gmail.com

**MAID HIRING MANAGEMENT SYSTEM**

Admin User

**Add Maid**

**Add Maid**

Category Name  
Select Category

Maid ID

Name

Email

Gender  
Select Gender

Contact Number

# Manage Maid

Admin User  
admin@gmail.com

**MAID HIRING MANAGEMENT SYSTEM**

Admin User

**Manage Maid**

**Manage Maid**

S.No	Category Name	Name	Email	Contact Number	Date of Registration	Action
1	Dusting	Gangu Bai	Gangu@gmail.com	8979879797	2024-03-31 18:11:28	<a href="#">Edit</a> <a href="#">Delete</a>
2	Dusting, Utensil and Mopping	Rajni	rajni@gmail.com	9779789879	2024-03-31 20:09:09	<a href="#">Edit</a> <a href="#">Delete</a>
3	Toilet Cleaning	Krishna	krisha@gmail.com	8789789789	2024-04-03 21:04:27	<a href="#">Edit</a> <a href="#">Delete</a>
4	Mopping	Mithi	mithi2@gmail.com	1231231230	2024-04-03 21:10:29	<a href="#">Edit</a> <a href="#">Delete</a>

Maid Hiring Management System.

# Update Maid Details

Admin User  
admin@gmail.com

MAID HIRING MANAGEMENT SYSTEM

Admin User

### Update Maid Details

#### Update Maid Details

Category Name  
Dusting

Maid ID  
Gangu123

Name  
Gangu Bai

Email  
Gangu@gmail.com

Contact Number  
8979879797

# New Request

Admin User  
admin@gmail.com

MAID HIRING MANAGEMENT SYSTEM

Admin User

### New Request

#### New Request

	Booking ID	Name	Mobile Number	Email	Booking Date	Status	Assign To	Action
1	383771808	Suman Bala	6754328967	soman@gmail.com	2024-04-12 13:17:09	Not Updated Yet	Not Assign Yet	<a href="#">View Details</a>

Maid Hiring Management System.

# View New Request

Admin User  
admin@gmail.com

**MAID HIRING MANAGEMENT SYSTEM**

Admin User

### View Maid Booking Details

View Maid Booking Details

Maid Booking Details			
Booking ID	383771808	Service Required	Mapping
Name	Suman Bala	Contact Number	6754328967
Email	soman@gmail.com	Address (to be hired)	Dinanagar
Gender Required	Female	Working Shift From	08:00:00
Working Shift To	10:00:00	Work Start Date	2024-04-12
Notes (if any)		Booking Date	2024-04-12 13:17:09
Booking Status	Not Response Yet	Admin Remark	Not Updated Yet

[Take Action](#)

Maid Hiring Management System.

# Assign Request

Admin User  
admin@gmail.com

**MAID HIRING MANAGEMENT SYSTEM**

Admin User

### Assign Request

Assign Request

	Booking ID	Name	Mobile Number	Email	Booking Date	Status	Assign To	Action
1	504180769	Ashutoosh Singh	9797797879	ashu@gmail.com	2024-04-01 18:50:11	Approved	M123	<a href="#">View Details</a>
2	689758471	Amit Kumar	456321023	amitk@test.com	2024-04-11 22:11:32	Approved	mht23	<a href="#">View Details</a>
3	182765979	Amita Singh	7412330012	amitak@test.com	2024-04-11 23:00:50	Approved	m12	<a href="#">View Details</a>
4	376706272	Surman Bala	6754328967	soman@gmail.com	2024-04-11 08:20:52	Approved	Gangut23	<a href="#">View Details</a>
5	989314692	Komal	9877654323	komal@gmail.com	2024-04-11 12:53:57	Approved	50000	<a href="#">View Details</a>
6	383771808	Surman Bala	6754328967	soman@gmail.com	2024-04-12 13:17:09	Approved	50000	<a href="#">View Details</a>

Maid Hiring Management System.

# View Assign Details

Admin User  
admin@gmail.com

**MAID HIRING MANAGEMENT SYSTEM**

Admin User

View Maid Booking Details

General

- Dashboard
- Category
- Maid
- Maid Hiring Request
- Pages
- Search

View Maid Booking Details

**Maid Booking Details**

Booking ID	30377828	Service Required	Mopping
Name	Suman Bala	Contact Number	6754328957
Email	suman@gmail.com	Address(to be hired)	Dinanagar
Gender Required	Female	Working Shift From	080000
Working Shift To	100000	Work Start Date	2024-04-12
Notes(if any)		Booking Date	2024-04-12 13:10:09
Booking Status	Your maid booking request has been approved	Admin Remark	good

**Maid Details**

Maid Name	Rajni	Email Id	rajni@gmail.com
Contact no.	977978879	Gender	Female
Exp.	3	DOB	1998-02-06
Address	GT Road Dinanagar	Photo	
ID Proof			

Maid Hiring Management System.

# Cancel Request

Admin User  
admin@gmail.com

**MAID HIRING MANAGEMENT SYSTEM**

Admin User

Cancel Request

General

- Dashboard
- Category
- Maid
- Maid Hiring Request
- Pages
- Search

Cancel Request

	Booking ID	Name	Mobile Number	Email	Booking Date	Status	Assign To	Action
1	651150319	Preeti	8788798798	preeti@gmail.com	2024-04-03 10:39:58	Cancelled	Cancel	<a href="#">View Details</a>

Maid Hiring Management System.

# View Cancel Request

Admin User  
admin@gmail.com

MAID HIRING MANAGEMENT SYSTEM

Admin User

### View Maid Booking Details

Maid Booking Details			
Booking ID	651150319	Service Required	Dusting
Name	Preeti	Contact Number	8788798798
Email	preeti@gmail.com	Address(to be hired)	Gurdaspur
Gender Required	female	Working Shift From	09:30:00
Working Shift To	10:30:00	Work Start Date	2024-04-10
Notes(if any)		Booking Date	2024-04-03 10:39:58
Booking Status	Your maid booking request has been cancelled	Admin Remark	Cancel

Maid Hiring Management System.

# About Us Page

Admin User  
admin@gmail.com

MAID HIRING MANAGEMENT SYSTEM

Admin User

### About Us

Page Title

Page Description

Update

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# Contact Us

Admin User  
admin@gmail.com

MAID HIRING MANAGEMENT SYSTEM

Admin User

General

- Dashboard
- Category
- Maid
- Maid Hiring Request
- Pages
- Search

### Contact Us

Contact Us

Page Title  
Contact Us

Page Description  
GT Road Dinanagar

Email  
info@gmail.com

Mobile Number  
7890541239

Update

Maid Hiring Management System.

# Search Booking Request

Admin User  
admin@gmail.com

MAID HIRING MANAGEMENT SYSTEM

Admin User

General

- Dashboard
- Category
- Maid
- Maid Hiring Request
- Pages
- Search

### Search Booking Request

Enter Booking ID or Name

Search

Result against "amita singh" keyword

	Booking ID	Name	Mobile Number	Email	Booking Date	Status	Assign To	Action
1	182765979	Amita Singh	7412330012	amitak@test.com	2024-04-11 23:00:50	Approved	m2	👁

Maid Hiring Management System.

# Search Maid



Admin User  
admin@gmail.com



MAID HIRING MANAGEMENT SYSTEM



Admin User

Search Maid

## General

Dashboard

Category

Maid

Maid Hiring Request

Pages

Search

Search Maid

Enter Maid ID or Name

Search

Result against "Gangu bai" keyword

S.No	Category Name	Name	Email	Contact Number	Date of Registration	Action
1	Dusting	Gangu Bai	Gangu@gmail.com	8979879797	2024-03-31 19:11:28	<a href="#">Edit</a> <a href="#">Delete</a>

Maid Hiring Management System.

## **CONCLUSION:**

This Application provides a computerized and automated version of Maid Hiring Management System which will benefit the maid hiring companies and their users.

The Application was designed in such a way that future changes can be done easily. The following conclusions can be deduced from the development of the project.

- Automation of the entire system improves the productivity.
- It provides a friendly graphical user interface which proves to be better when compared to the existing system.
- It gives appropriate access to the authorized users depending on their permissions.
- It effectively overcomes the delay in communications.
- Updating of information becomes so easier.
- System security, data security and reliability are the striking features.
- The System has adequate scope for modification in future if it is necessary.

# References

## **For PHP**

- <https://www.w3schools.com/php/default.asp>
- <https://www.sitepoint.com/php/>
- <https://www.php.net/>

## **For MySQL**

- <https://www.mysql.com/>
- <http://www.mysqltutorial.org>

## **For XAMPP**

- <https://www.apachefriends.org/download.html>

**Project Report**

**On**

**CLIENT MANAGEMENT SYSTEM**

Submitted in partial fulfillment of the requirements for the award of degree of

**M.Sc (INFORMATION TECHNOLOGY)**

**TO**

**SHANTI DEVI ARYA MAHILA COLLEGE**

**DINANAGAR**



**Submitted To:-**

**Mrs. Priyanka Gupta**

**Assistant Professor**

**Post Graduate Dept. Of Computer Science & IT**

**Submitted By:**

**Shweta Salaria**

**(20862225407)**

**Mansi Sharma**

**(20862225406)**

**POST GRADUATE DEPARTMENT OF COMPUTER Sc. & IT**

**GURU NANAK DEV UNIVERSITY, AMRITSAR**

## **ACKNOWLEDGEMENT**

With deep sense of gratitude we express our sincere thanks and obligation to our esteemed guide Mrs. Priyanka Gupta (Assistant Professor). It is because of her able and mature guidance and co-operation without which it would not have been possible for us to complete our project.

We would also like to thank Dr. Deepak Jyoti, HOD, Post Graduate Dept. of Comp Sc. & IT, Shanti Devi Arya Mahila College, Dinanagar for providing the institute with an environment where one can use her intellect and creativity to develop something fruitful and also for allowing us the opportunity to experience dynamic professional environment during our Training. This environment facilitated us in pursuing this project.

It is our pleasant duty to thank all the staff members of the Computer Department for their time to time suggestions.

Finally, we would like to thank the almighty and our parents for their moral support and our friends with whom we shared our day-to-day experience and received lots of suggestions that improved our quality of work.

**Shweta Salaria**

**20862225407**

**Mansi Sharma**

**20862225406**

## **CERTIFICATE OF APPROVAL**

This is certify that the project report entitled **CLIENT MANAGEMENT SYSTEM** submitted to Shanti Devi Arya Mahila College, Dinanagar in partial fulfillment of the requirement for the award of degree of M.Sc (Information Technology) , is an authentic and original work carried out by Shweta Salaria(20862225407) Mansi Sharma (20862225406) under my guidance and supervision. The Post Graduate dept. of Comp Sc. & IT has accepted the report as the fulfillment of the requirements for the degree of Master of Information Technology. No part of this report has been submitted to any other College/University for the reward of any Degree to the best of my knowledge.

**Mrs. Priyanka Gupta**

**Assistant Professor (Comp Sc.)**

**(Project Supervisor)**

**Shanti Devi Arya Mahila College**

**Dinanagar**

**Dr. Deepak Jyoti**

**Head, PG Department of Comp Sc. & IT**

**Shanti Devi Arya Mahila College**

**Dinanagar**

## **DECLARATION**

We hereby declare that this project report on “CLIENT MANAGEMENT SYSTEM” which is being submitted in partial fulfillment of the Training Programme of M.Sc (Information Technology) to Shanti Devi Arya Mahila College ,Dinanagar, is the result of the work carried out by us, under the guidance of Mrs. Priyanka Gupta (Assistant Professor). Shanti Devi Arya Mahila College, Dinanagar.

**Shweta Salaria**

**20862225407**

**Mansi Sharma**

**20862225406**

## Abstract

Client Management System (CMS) is an established concept which is used to manage client lifecycle through various technologies and process oriented tools. This study identifies how web application can be utilized for improved client management and to understand the potential of web application in the business environment.

## Introduction

### **Introduction:-**

Client Management System is software application which is used to manage a company's interaction with current and potential clients. Client management system is an automatic system which delivers data processing in very high speed in systematic manner.

In Client Management System we use PHP and MySQL Database. This project keeps the records of clients. Client Management System has two module i.e. admin and client.

### **Admin Module**

**1. Dashboard:** In this section, admin can briefly view the total services, total clients, total today's sales, total yesterday's sales, total seven's sales and total sales.

**2. Services:** In this section, admin can manage services (Add/Update).

**3. Add Clients:** In this section, admin can add new clients

**4. Clients List:** In this section, admin can update the client details and add services which are provided by admin.

**5. Invoices:** In this section, admin can view invoices of the client and also take

print of invoice.

**6. Reports:** In this section admin can view the clients details and check the sales reports (month wise/year wise) in a particular period.

**7. Search Invoice:** In this section, admin can search clients invoice with the help of his/her invoice number.

Admin can also update his profile, change the password and recover the password.

## **Client Module**

**1. Dashboard:** It is a welcome page for a client.

**2. Invoices:** In this section, client can view invoices of the client and also take print of invoice.

**3. Search Invoice:** In this section, client can search his/her invoice with the help of invoice number.

Client can also update his/her profile, change the password and recover the password.

## **Objective**

The main objective of the Client Management System project is to have a fully automated Client Management System. This system will enable to draw the details of the client. This Client Management System will definitely reduce the time, energy and money wasted in manually searching the details of the clients. With the help of this software, all the services and clients can be properly channelized.

## **Existing System**

The present scenario offers manual data entry. A lot of time is wasted in creating the reports as well as maintaining them. In case, if any query arises to get the information about the client, the whole report is re-typed or xeroxed. This seriously affects the authentication of the system. This Client Management System is totally outdated and involves high risk of ambiguity and redundancy.

## **Proposed System**

The proposed Client Management System is to have everything completely automated and computerized. The software is very easy to use and manage even for a non technical person. The redundancy and ambiguity will be removed by assigning every client a unique number (i.e Account Id).

# Requirement Specification

## Hardware Configuration :

### Client Side:

<b>RAM</b>	512 MB
<b>Hard disk</b>	10 GB
<b>Processor</b>	1.0 GHz

### Server side:

<b>RAM</b>	<b>1 GB</b>
<b>Hard disk</b>	<b>20 GB</b>
<b>Processor</b>	<b>2.0 GHz</b>

## Software Requirement:

### Client Side:

<b>Web Browser</b>	Google Chrome or any compatible browser
<b>Operating System</b>	Windows or any equivalent OS

## Server Side:

<b>Web Server</b>	APACHE
<b>Server side Language</b>	PHP5.6 or above version
<b>Database Server</b>	MYSQL
<b>Web Browser</b>	Google Chrome or any compatible browser
<b>Operating System</b>	Windows or any equivalent OS

## APACHE

The Apache HTTP Server Project is an effort to develop and maintain an open-source HTTP server for modern operating systems including UNIX and Windows. The goal of this project is to provide a secure, efficient and extensible server that provides HTTP services in sync with the current HTTP standards.

The Apache HTTP Server ("httpd") was launched in 1995 and it has been the most popular web server on the Internet since April 1996. It has celebrated its 20th birthday as a project in February 2015.

## PHP

- PHP stands for PHP: Hypertext Preprocessor.

- PHP is a server-side scripting language, like ASP.
- PHP scripts are executed on the server.
- PHP supports many databases (MYSQL, Informix, Oracle, Sybase, Solid, Generic ODBC, etc.).
- PHP is an open source software .
- PHP is free to download and use.

## **MYSQL**

- MYSQL is a database server
- MYSQL is ideal for both small and large applications
- MYSQL supports standard SQL
- MYSQL compiles on a number of platforms
- MYSQL is free to download and use

How to access MySQL: <http://localhost/phpmyadmin>

# Analysis and Design

## **Analysis:**

The present scenario offers manual data entry. A lot of time is wasted in creating the reports as well as maintaining them. In case, if any query arises to get the information about the client, the whole report is re-typed or Xeroxed. This seriously affects the authentication of the system. This Client Management System is totally outdated and involves high risk of ambiguity and redundancy.

## **Disadvantage of present system:**

- **Not user friendly:** The present system not user friendly because data is not stored in structure and proper format.
- **Manual Control:** All report calculation is done manually so there is a chance of error.
- **Lots of paper work:** Visitors maintain in the register so lots of paper require storing details.
- **Time consuming**

## **Design Introduction:**

Design is the first step in the development phase for any techniques and principles for the purpose of defining a device, a process or system in sufficient detail to permit its physical realization.

Once the software requirements have been analyzed and specified the software design involves three technical activities - design, coding, implementation and testing that are required to build and verify the software.

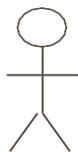
The design activities are of main importance in this phase, because in this activity, decisions ultimately affecting the success of the software implementation and its ease of maintenance are made. These decisions have the final bearing upon reliability and maintainability of the system. Design is the only way to accurately translate the customer's requirements into finished software or a system.

Design is the place where quality is fostered in development. Software design is a process through which requirements are translated into a representation of software. Software design is conducted in two steps. Preliminary design is concerned with the transformation of requirements into data

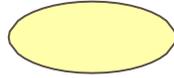
### UML Diagrams:

Actor:

A coherent set of roles that users of use cases play when interacting with the use `cases.



Use case: A description of sequence of actions, including variants, that a system performs that yields an observable result of value of an actor.



UML stands for Unified Modeling Language. UML is a language for specifying, visualizing and documenting the system. This is the step while developing any product after analysis. The goal from this is to produce a model of the entities involved in the project which later need to be built. The representation of the entities that are to be used in the product being developed need to be designed.

### **USECASE DIAGRAMS:**

Use case diagrams model behavior within a system and helps the developers understand of what the user require. The stick man represents what's called an actor.

Use case diagram can be useful for getting an overall view of the system and clarifying who can do and more importantly what they can't do.

Use case diagram consists of use cases and actors and shows the interaction between the use case and actors.

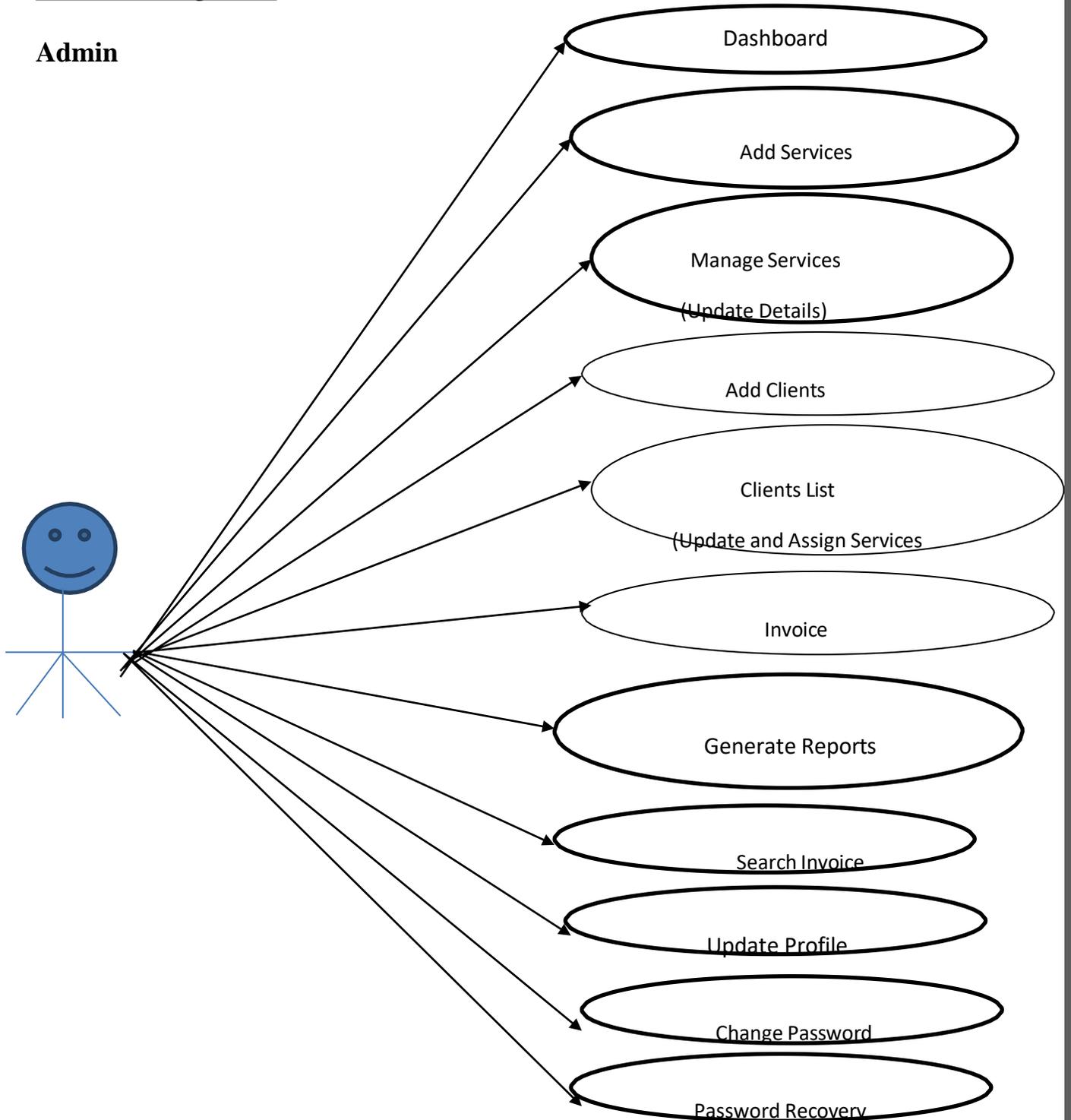
- The purpose is to show the interactions between the use case and actor.
- To represent the system requirements from user's perspective.
- An actor could be the end-user of the system or an external system.

**USECASE DIAGRAM:** A Use case is a description of set of sequence of actions. Graphically it is rendered as an ellipse with solid line including only its name. Use

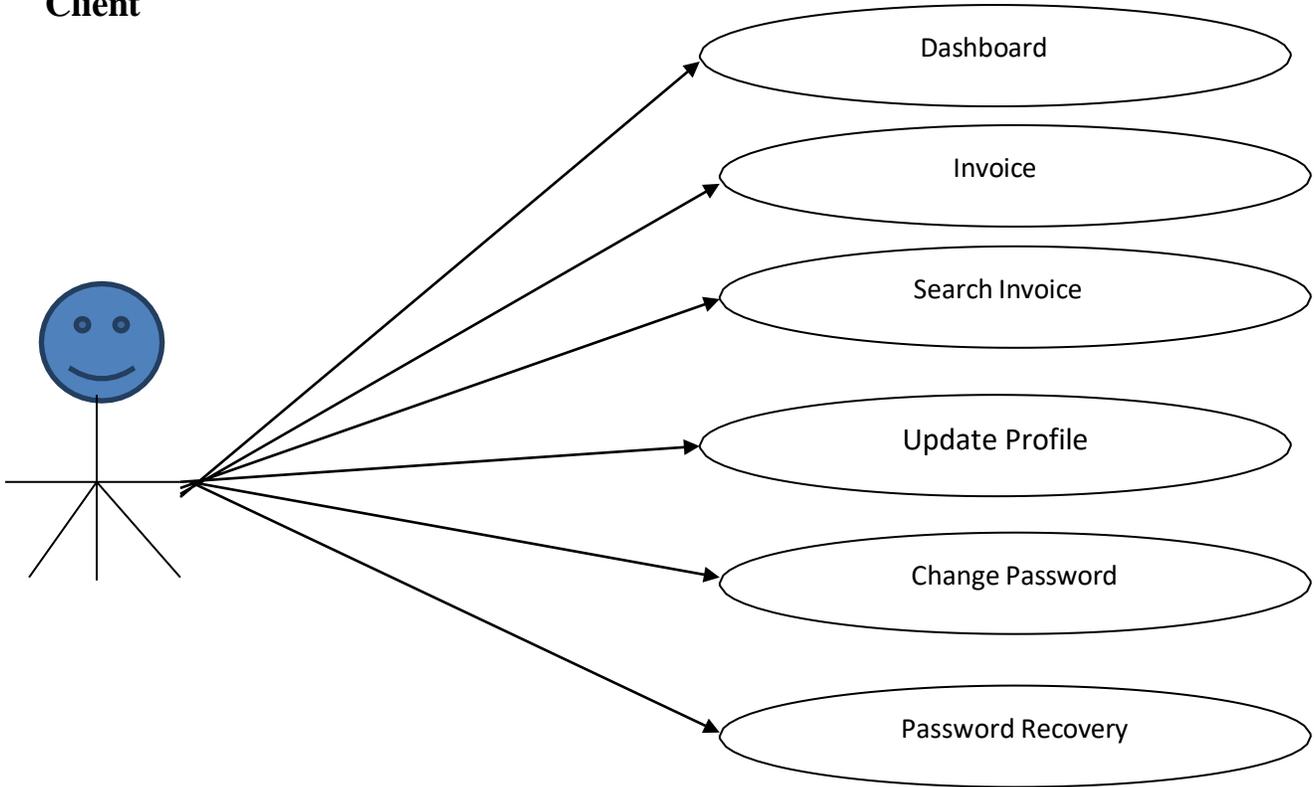
case diagram is a behavioral diagram that shows a set of use cases and actors and their relationship. It is an association between the use cases and actors. An actor represents a real-world object. Primary Actor – Sender, Secondary Actor Receiver.

**Use Case Diagrams:**

**Admin**



**Client**



## Class Diagram:

A description of set of objects that share the same attributes operations, relationships, and semantics



## **ER Diagram:**

The Entity-Relationship (ER) model was originally proposed by Peter in 1976 [Chen76] as a way to unify the network and relational database views. Simply stated the ER model is a conceptual data model that views the real world as entities and relationships. A basic component of the model is the Entity-Relationship diagram which is used to visually represent data objects. Since Chen wrote his paper the model has been extended and today it is commonly used for database design for the database designer, the utility of the ER model is:

- It maps well to the relational model. The constructs used in the ER model can easily be transformed into relational tables.
- It is simple and easy to understand with a minimum of training. Therefore, the model can be used by the database designer to communicate the design to the end user.
- In addition, the model can be used as a design plan by the database developer to implement a data model in specific database management +- software.

## **ER Notation**

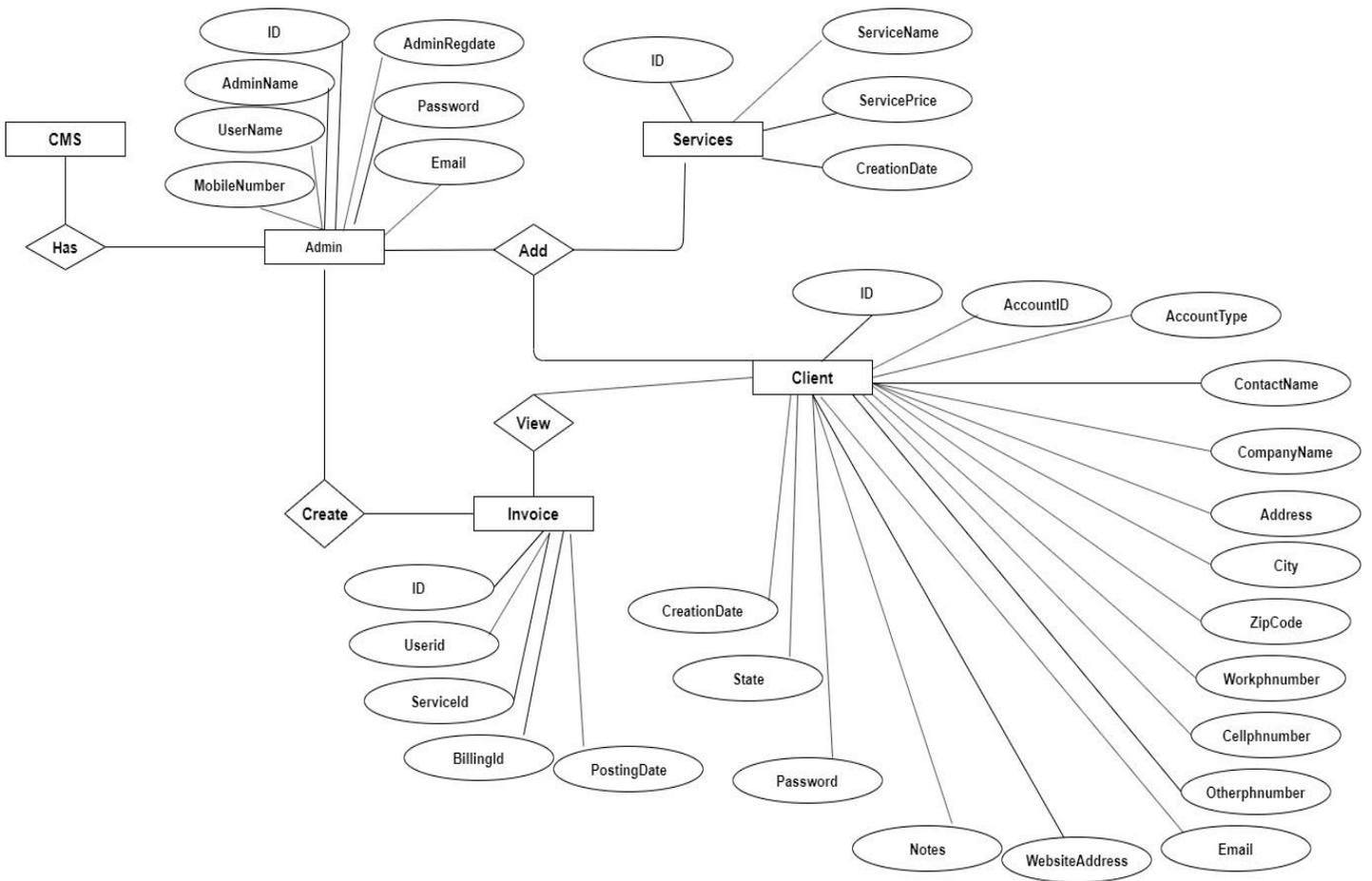
There is no standard for representing data objects in ER diagrams. Each modeling methodology uses its own notation. The original notation used by Chen is widely used in academics texts and journals but rarely seen in either CASE tools or publications by non-academics. Today, there are a number of notations used; among the more common are Bachman, crow's foot, and IDEFIX.

All notational styles represent entities as rectangular boxes and relationships as lines connecting boxes. Each style uses a special set of symbols to represent the cardinality of a connection. The notation used in this document is from Martin. The symbols used for the basic ER constructs are:

- **Entities** are represented by labeled rectangles. The label is the name of the entity. Entity names should be singular nouns.
- **Relationships** are represented by a solid line connecting two entities. The name of the relationship is written above the line. Relationship names should be verbs
- **Attributes**, when included, are listed inside the entity rectangle. Attributes which are identifiers are underlined. Attribute names should be singular nouns.
- **Cardinality** of many is represented by a line ending in a crow's foot. If the crow's foot is omitted, the cardinality is one.

**Existence** is represented by placing a circle or a perpendicular bar on the line. Mandatory existence is shown by the bar (looks like a 1) next to the entity for an instance is required. Optional existence is shown by placing a circle next to the entity that is optional.

# ER Diagram



## MySQL Data Tables:

### **Admin Table :**(Table name is admin)

This store admin personal and login details.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	ID 	int(10)			No	None		AUTO_INCREMENT
2	AdminName	varchar(120)	latin1_swedish_ci		Yes	NULL		
3	UserName	varchar(120)	latin1_swedish_ci		Yes	NULL		
4	MobileNumber	bigint(10)			Yes	NULL		
5	Email	varchar(200)	latin1_swedish_ci		Yes	NULL		
6	Password	varchar(120)	latin1_swedish_ci		Yes	NULL		
7	AdminRegdate	timestamp			Yes	current_timestamp()		

### **Client Table** (Table name is tblclient)

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	ID 	int(10)			No	None		AUTO_INCREMENT
2	AccountID	int(10)			Yes	NULL		
3	AccountType	varchar(50)	latin1_swedish_ci		Yes	NULL		
4	ContactName	varchar(120)	latin1_swedish_ci		Yes	NULL		
5	CompanyName	varchar(120)	latin1_swedish_ci		Yes	NULL		
6	Address	varchar(200)	latin1_swedish_ci		Yes	NULL		
7	City	varchar(120)	latin1_swedish_ci		Yes	NULL		
8	State	varchar(120)	latin1_swedish_ci		Yes	NULL		
9	ZipCode	int(10)			Yes	NULL		
10	Workphnumber	bigint(10)			Yes	NULL		
11	Cellphnumber	bigint(10)			Yes	NULL		
12	Otherphnumber	bigint(10)			Yes	NULL		
13	Email	varchar(200)	latin1_swedish_ci		Yes	NULL		
14	WebsiteAddress	varchar(200)	latin1_swedish_ci		Yes	NULL		
15	Notes	mediumtext	latin1_swedish_ci		Yes			
16	Password	varchar(200)	latin1_swedish_ci		No	None		
17	CreationDate	timestamp			Yes	current_timestamp()		

### **Invoice Table:** (Table name is tblinvoice)

This store the invoice detail

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	ID 	int(10)			No	None		AUTO_INCREMENT
2	Userid	varchar(120)	latin1_swedish_ci		Yes	NULL		
3	Serviceld	varchar(120)	latin1_swedish_ci		Yes	NULL		
4	BillingId	varchar(120)	latin1_swedish_ci		Yes	NULL		
5	PostingDate	timestamp			Yes	current_timestamp()		

**Service Table:** (Table name is tblservices)

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	ID 	int(10)			No	None		AUTO_INCREMENT
2	ServiceName	varchar(200)	latin1_swedish_ci		Yes	NULL		
3	ServicePrice	varchar(200)	latin1_swedish_ci		Yes	NULL		
4	CreationDate	timestamp			Yes	current_timestamp()		

# **Implementation and System Testing**

After all phase have been perfectly done, the system will be implemented to the server and the system can be used.

## **System Testing**

The goal of the system testing process was to determine all faults in our project .The program was subjected to a set of test inputs and many explanations were made and based on these explanations it will be decided whether the program behaves as expected or not.

Our Project went through two levels of testing

1. Unit testing
2. Integration testing

## **UNIT TESTING**

Unit testing is commenced when a unit has been created and effectively reviewed .In order to test a single module we need to provide a complete environment i.e. besides the section we would require

- The procedures belonging to other units that the unit under test calls
- Non local data structures that module accesses
- A procedure to call the functions of the unit under test with appropriate parameters

## 1. Test for the admin module

- **Testing admin login form**-This form is used for log in of administrator of the system. In this form we enter the username and password if both are correct administration page will open otherwise if any of data is wrong it will get redirected back to the login page and again ask the details
- **Report Generation:** admin can generate report from the main database.

## INTEGRATION TESTING

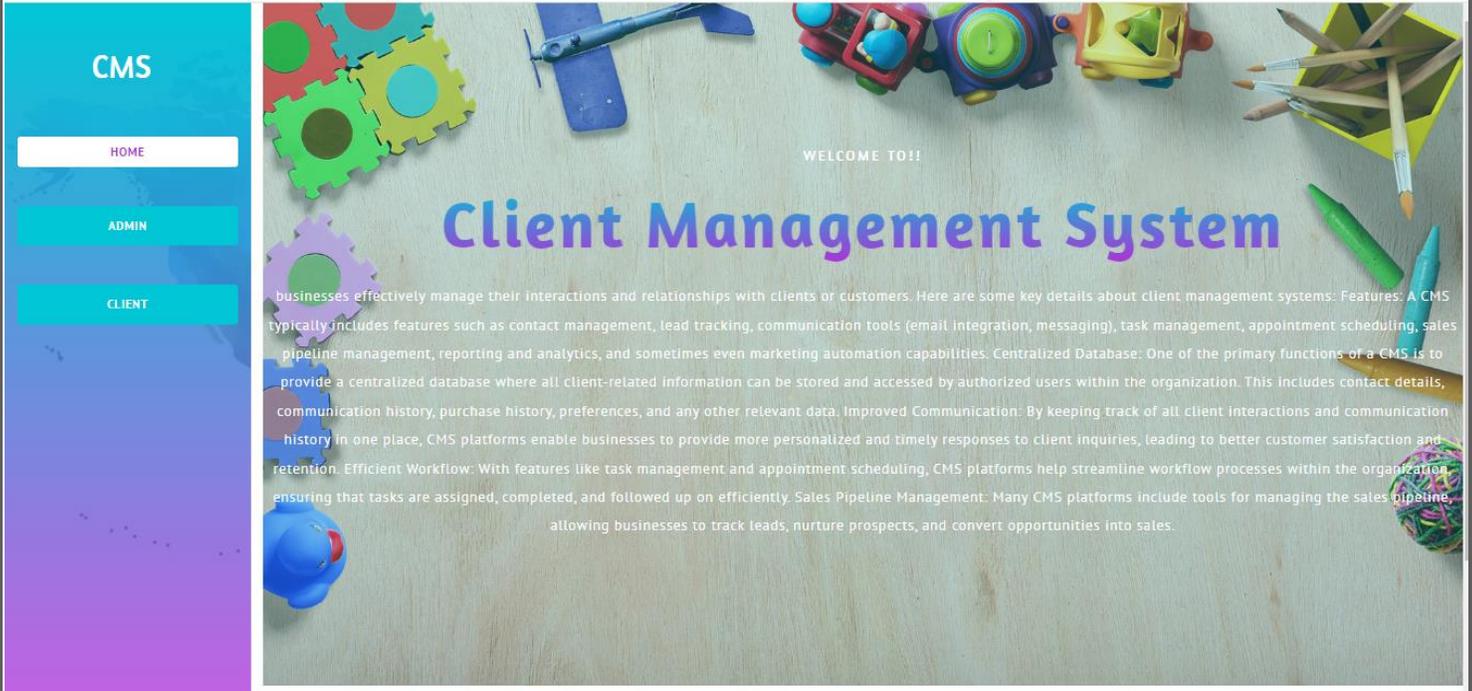
In the Integration testing we test various combination of the project module by providing the input.

The primary objective is to test the module interfaces in order to confirm that no errors are occurring when one module invokes the other module.

# EVALUATION

Project URL: <http://localhost/vpms>

Home Page



**CMS**

HOME

ADMIN

CLIENT

WELCOME TO!!

## Client Management System

businesses effectively manage their interactions and relationships with clients or customers. Here are some key details about client management systems: Features: A CMS typically includes features such as contact management, lead tracking, communication tools (email integration, messaging), task management, appointment scheduling, sales pipeline management, reporting and analytics, and sometimes even marketing automation capabilities. Centralized Database: One of the primary functions of a CMS is to provide a centralized database where all client-related information can be stored and accessed by authorized users within the organization. This includes contact details, communication history, purchase history, preferences, and any other relevant data. Improved Communication: By keeping track of all client interactions and communication history in one place, CMS platforms enable businesses to provide more personalized and timely responses to client inquiries, leading to better customer satisfaction and retention. Efficient Workflow: With features like task management and appointment scheduling, CMS platforms help streamline workflow processes within the organization ensuring that tasks are assigned, completed, and followed up on efficiently. Sales Pipeline Management: Many CMS platforms include tools for managing the sales pipeline, allowing businesses to track leads, nurture prospects, and convert opportunities into sales.

# Admin Login Page

## CMS

### Sign In

Login

Forgot Password  
Back Home!!

# Dashboard

CMS



Admin



- Dashboard
- Services >
- Add Clients
- Clients List
- Invoices
- Reports >
- Search Invoice



# Profile

CMS ☰ Client Management System

Home / Profile

## Admin Profile

Admin Name

User Name

Contact Number

Email address

Admin Registration Date

Client Management System @ 2024

# Change Password

CMS ☰ Client Management System

Home / Change Password

## Change Password

Current Password

New Password

Confirm Password

Client Management System @ 2024

# Add Services

CMS ☰ Client Management System

Home / Add Services

## Add Services

Service Name

Price of Service

[Save](#)

Client Management System @ 2024

Admin

- Dashboard
- Services
- Add Clients
- Clients List
- Invoices
- Reports
- Search Invoice

# Manage Services

CMS ☰ Client Management System

Home / Manage Services

## Manage Services

#	Service Name	Service Price	Creation Date	Action
1	Website Developments	121	2024-04-22 19:12:29	<a href="#">Edit</a>
2	SEO Service	30	2024-05-22 04:26:17	<a href="#">Edit</a>
3	SMO Services	150	2024-03-22 06:52:19	<a href="#">Edit</a>
4	Web designing	120	2024-03-22 08:44:15	<a href="#">Edit</a>
5	Broadband Services	120	2024-03-22 00:00:00	<a href="#">Edit</a>
6	Web Development	356	2024-03-26 10:32:54	<a href="#">Edit</a>
7	DTH	300	2024-03-19 10:07:13	<a href="#">Edit</a>

Client Management System @ 2024

Admin

- Dashboard
- Services
- Add Clients
- Clients List
- Invoices
- Reports
- Search Invoice

# Update Services

CMS



Client Management System



Admin



Dashboard

Services

Add Clients

Clients List

Invoices

Reports

Search Invoice

Home / Update Services

## Update Services

Service Name

Website Developments

Price of Service

121

Creation Date

2024-04-22 19:12:29

Update

Client Management System @ 2024

# Add Clients

CMS



Admin



Dashboard

Services

Add Clients

Clients List

Invoices

Reports

Search Invoice

Client Management System

Home / Add Clients

## Add Clients

Account Type

Contact Name

Contact Name

Company Name

Company Name

Address

Address

City

City

State

State

Zip Code

Zip Code

Work Phone Number

Work Phone Number

Cell Phone Number

Cell Phone Number

Other Phone Number

Work Phone Number

Email Address

admin

Password

-----

Client Management System © 2024

# Client List

CMS



Client Management System



Admin



Dashboard

Services

Add Clients

Clients List

Invoices

Reports

Search Invoice

Home / Manage Clients

## Manage Clients

#	Account ID	Account Type	Contact Name	Company Name	Mobile Number	Setting
1	900370752	Active Account	Sanjay Malhotra	ABC Private Limited	8888888888	<a href="#">Edit</a>    <a href="#">Assign Services</a>
2	884010538	Active Account	Sidharth Sukla	Infosys Pvt Ltd	4454545454	<a href="#">Edit</a>    <a href="#">Assign Services</a>
3	392496676	Active Account	MANSI	Shanti Devi arya mahila College	985122442	<a href="#">Edit</a>    <a href="#">Assign Services</a>
4	594200342	Active Account	user	sdam college	985122447	<a href="#">Edit</a>    <a href="#">Assign Services</a>

Client Management System @ 2024

# Assign Services

CMS



Admin



Dashboard

Services

Add Clients

Clients List

Invoices

Reports

Search Invoice

## Assign Services

#	Service Name	Service Price	Creation Date	Action
1	Website Developments	121	2024-04-22 19:12:29	<input type="checkbox"/>
2	SEO Service	30	2024-05-22 04:26:17	<input type="checkbox"/>
3	SMO Services	150	2024-03-22 06:52:19	<input type="checkbox"/>
4	Web designing	120	2024-03-22 08:44:15	<input type="checkbox"/>
5	Broadband Services	120	2024-03-22 00:00:00	<input type="checkbox"/>
6	Web Development	356	2024-03-26 10:32:54	<input type="checkbox"/>
7	DTH	300	2024-03-19 10:07:13	<input type="checkbox"/>

[Submit](#)

# Edit Client Detail

CMS



Admin

Dashboard

Jobs

Add Client

Client List

Invoice

Reports

Search Invoice

Home > Update Clients

## Update Clients

Account Type	---
Contact Name	Serge Wilhans
Company Name	J&C Pharms Limited
Address	2001
City	Stratford
Date	26/11/2018
Day Code	112006
Work Phone Number	0000000000
Cell Phone Number	00000000
Other Phone Number	00000000
Email Address	slw@jcp.com
Website Address	www.jcp.com
Name	Good Client
Creation Date	2018-04-02 12:10:11

# Invoice Detail

CMS



Admin



Dashboard

Services

Add Clients

Clients List

Invoices

Reports

Search Invoice

## Invoice Details

### Invoice #856442057

Client Details			
Company Name	sdam college	Contact Name	user
Contact no.	985122447	Email	user@user.com
Account ID	594200342	Invoice Date	2024-03-19 10:17:37
Services Details			
#	Service	Cost	
1	Website Developments	\$121	
2	SEO Service	\$30	
Grand Total			\$151



Client Management System @ 2024

# Invoice Print

Invoice Details  
Invoice #856442057

Client Details			
Company Name	sdam college	Contact Name	user
Contact no.	985122447	Email	user@user.com
Account ID	594200342	Invoice Date	2024-03-19 10:17:37
Services Details			
#	Service	Cost	
1	Website Developments	\$121	
2	SEO Service	\$30	
Grand Total			\$151

Print

1 sheet of paper

Destination

Microsoft Print to PDF

Pages

All

Layout

Portrait

Color

Color

More settings

Print

Cancel

42057

user

user@user.com

2024-03-19 10:17:37

Cost

\$121

\$30

\$151

@ 2024

# Between Dates Report

CMS Client Management System

Home / Between dates reports

## Between dates reports

From Date

To Date

Client Management System @ 2024

CMS Client Management System

Home / Between dates reports

## Between dates reports

Report from 2024-03-01 to 2024-04-28

#	Invoice Id	Company Name	Contact Name	Invoice Date	Action
1	580290295	Shanti Devi arya mahila College	MANSI	2024-03-19 10:17:28	<a href="#">View</a>
2	856442057	sdam college	user	2024-03-19 10:17:37	<a href="#">View</a>

Client Management System @ 2024

# Sales Report

CMS



Client Management System



Admin



Home / Sales Reports

## Sales Reports

From Date

dd-mm-yyyy



To Date

dd-mm-yyyy



Request Type  Month wise  Year wise

Submit

Client Management System @ 2024

CMS



Client Management System



Admin



Home / Sales Reports

## Sales Reports

### Sales Report Year Wise

### Sales Report from 2024 to 2024

S.NO	Month / Year	Sales
1	2024	\$150
Total		\$150

Client Management System @ 2024

Dashboard

Services

Add Clients

Clients List

Invoices

Reports

Search Invoice

# Search Invoice

CMS



Client Management System



Admin



Dashboard

Services

Add Clients

Clients List

Invoices

Reports

Search Invoice

Home / Search Invoice

## Search Invoice

Search by Invoice Number or Billing Number

Search

### Result against "580290295" keyword

#	Invoice Id	Company Name	Contact Name	Invoice Date	Action
1	580290295	Shanti Devi arya mahila College	MANSI	2024-03-19 10:17:28	<a href="#">View</a>

Client Management System @ 2024

# Forgot Password

## CMS Clients

### Forgot Password

E-mail Address

Mobile Number

.....

.....

Reset

Already have an account

Client Management System @ 2024

## Client Login page

### CMS Clients

#### Sign In

Login

[Forgot Password](#)  
[Back Home!!](#)

Client Management System @ 2024

## Dashboard

CMS



Client Management System



Shanti Devi arya  
mahila College

System Administrator in  
Company



Dashboard

Invoices

Search Invoice

Welcome to Client Panel !! Shanti Devi arya mahila College

Client Management System @ 2024

# Client Profile

CMS



Shanti Devi arya  
maNia College  
Bharat Laminar  
Company

Dashboard

Index

Search Index

Client Management System

33%

RESET

Home / Client Profile

## Client Profile

Account ID	36586275
Account Type	Active Account
Contact Name	10101
Company Name	Shanti Devi arya maNia College
Address	WPK002 SHANTIAR
City	Shriwagar
State	32101
Zip Code	110001
Work Phone Number	800-0000
Cell Phone Number	800-0000
Other Phone Number	800-0000
Email Address	10101@10101.COM
Website Address	www.com
Name	10101-0000-00001

[Update](#)

# Invoice

CMS



Client Management System



Shanti Devi arya  
mahila College

System Administrator in  
Company



Dashboard

Invoices

Search Invoice

[Home](#) / [Invoice](#)

## Invoice

#	Invoice Id	Company Name	Contact Name	Invoice Date	Action
1	580290295	Shanti Devi arya mahila College	MANSI	2024-03-19 10:17:28	<a href="#">View</a>

Client Management System @ 2024

# Invoice Detail

CMS



Shanti Devi arya  
mahila College

System Administrator in  
Company



Dashboard

Invoices

Search Invoice

## Invoice Details

### Invoice #580290295

Client Details			
Comapny Name	Shanti Devi arya mahila College	Contact Name	MANSI
Contact no.	985122442	Email	MANSI@GMAIL.COM
Account ID	392496676	Invoice Date	2024-03-19 10:17:28
Services Details			
#	Service	Cost	
1	Website Developments	\$121	
Grand Total			\$121



Client Management System @ 2024

# Search Invoice

CMS Client Management System

Home / Search Invoice

## Search Invoice

Search by Invoice Number or Billing Number

**Search**

### Result against "580290295" keyword

#	Invoice Id	Company Name	Contact Name	Invoice Date	Action
1	580290295	Shanti Devi arya mahila College	MANSI	2024-03-19 10:17:28	<a href="#">View</a>

Client Management System @ 2024

# Forgot Password

## CMS Clients

### Forgot Password

**Reset**

[Already have an account](#)

Client Management System @ 2024

## **CONCLUSION:**

This Application provides a computerized and automated version of Client Management System which will benefit the companies and their clients.

It makes entire process online and can generate reports. It has a facility of client's login where clients can view their invoice details.

The Application was designed in such a way that future changes can be done easily. The following conclusions can be deduced from the development of the project.

- Automation of the entire system improves the productivity.
- It provides a friendly graphical user interface which proves to be better when compared to the existing system.
- It gives appropriate access to the authorized users depending on their permissions.
- It effectively overcomes the delay in communications.
- Updating of information becomes so easier.
- System security, data security and reliability are the striking features.
- The System has adequate scope for modification in future if it is necessary.

# References

## **For PHP**

- <https://www.w3schools.com/php/default.asp>
- <https://www.sitepoint.com/php/>
- <https://www.php.net/>

## **For MySQL**

- <https://www.mysql.com/>
- <http://www.mysqltutorial.org>

## **For XAMPP**

- <https://www.apachefriends.org/download.html>

**Project Report**  
**On**  
**DOCTOR APPOINTMENT MANAGEMENT SYSTEM**

Submitted in partial fulfillment of the requirements for the award of degree of

**M.Sc (INFORMATION TECHNOLOGY)**

**TO**

**SHANTI DEVI ARYA MAHILA COLLEGE**

**DINANAGAR**



**Submitted To:-**

**Ms. Radhika**

**Assistant Professor**

**Post Graduate Deptt. Of Computer Science & IT**

**Submitted By:**

**Manju Bala**

**(20862225415)**

**Mandeep Kaur**

**(20862225409)**

**POST GRADUATE DEPARTMENT OF COMPUTER Sc. & IT**  
**GURU NANAK DEV UNIVERSITY, AMRITSAR**

## **ACKNOWLEDGEMENT**

With deep sense of gratitude we express our sincere thanks and obligation to our esteemed guide Ms. Radhika (Assistant Professor). It is because of her able and mature guidance and co-operation without which it would not have been possible for us to complete our project.

We would also like to thank Dr. Deepak Jyoti, HOD, Post Graduate Deptt. of Comp Sc. & IT, Shanti Devi Arya Mahila College, Dinanagar for providing the institute with an environment where one can use her intellect and creativity to develop something fruitful and also for allowing us the opportunity to experience dynamic professional environment during our Training. This environment facilitated us in pursuing this project.

It is our pleasant duty to thank all the staff members of the Computer Department for their time to time suggestions.

Finally, we would like to thank the almighty and our parents for their moral support and our friends with whom we shared our day-to-day experience and received lots of suggestions that improved our quality of work.

**Manju Bala**

**20862225415**

**Mandeep Kaur**

**20862225409**

## **CERTIFICATE OF APPROVAL**

**This is certify that the project report entitled DOCTOR APPOINTMENT MANAGEMENT SYSTEM** submitted to Shanti Devi Arya Mahila College, Dinanagar in partial fulfillment of the requirement for the award of degree of M.Sc (Information Technology) , is an authentic and original work carried out by Manju Bala (20862225415) Mandeep Kaur (20862225409) under my guidance and supervision. The Post Graduate deptt. of Comp Sc. & IT has accepted the report as the fulfillment of the requirements for the degree of Master of Information Technology. No part of this report has been submitted to any other College/University for the reward of any Degree to the best of my knowledge.

**Ms. Radhika**

Assistant Professor (Comp Sc.)  
(Project Supervisor)  
Shanti Devi Arya Mahila College  
Dinanagar

**Dr. Deepak Jyoti**

Head, PG Department of Comp Sc. & IT  
Shanti Devi Arya Mahila College  
Dinanagar

## **DECLARATION**

We hereby declare that this project report on "DOCTOR APPOINTMENT MANAGEMENT SYSTEM" which is being submitted in partial fulfillment of the Training Programme of M.Sc (Information Technology) to Shanti Devi Arya Mahila College, Dinanagar, is the result of the work carried out by us, under the guidance of Ms. Radhika (Assistant Professor), Shanti Devi Arya Mahila College, Dinanagar

**Manju Bala**

**20862225415**

**Mandeep Kaur**

**20862225409**

## **Abstract**

“Doctor Appointment Management System” is responsible for keeping all the record of doctor appointment which is taken by users. This system helps the patient take the appointment online and save time.

The main objective of “Doctor Appointment Management System” project is to providing easier doctor appointment and gets appointment online which save lots of time.

## Introduction

### **Introduction:-**

"Doctor Appointment Management System is a web-based technology that will manage to automate the existing manual system by the help of computerized equipments and full-fledged computer software, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same. Basically the project describes how to manage for good performance and better services for the clients. This automatic system delivers data processing in very high speed in systematic manner.

In Doctor Appointment Management System we use PHP and MySQL Database. This project has two modules i.e., doctor and user.

### **Doctor Module**

- 1. Dashboard:** In this section, doctor can briefly view the total number of the new appointment, total approved appointment and total cancelled appointment.
- 2. Appointment:** In this section, doctor views the appointment details and they have also the right to change application status according to current status.
- 3. Reports:** In this section doctor can view the appointment details in a particular period.
- 4. Search:** In this section, doctor can search appointment with the help of user appointment number/Name/Mobile Number  
Doctor can also update his profile, change the password and recover the password.

**User Module(User not need to register)**

- 1. Home Page:** In this section, user can view the welcome page of the web application.
- 2. Book:** In this section, user can sent the appointment request.
- 3. Check Appointment:** In this section, user can search appointment with the help of user appointment number/Name/Mobile Number

### **Purpose**

The main purpose of the "Doctor Appointment Management System" is to manage the details of Doctor and Appointment. It manages all the information about Doctor and doctor appointments. The purpose of the project is to build an application program to reduce the manual work for managing the Doctor appointment. It tracks all the details about the appointments and Doctor Schedule.

### **Scope**

The Software design document would demonstrate how the design will accomplish the functional and non- functional requirements captured in the Software Requirement specification (SRS). The document will provide a framework to the programmers through describing the high level components and architecture, sub systems, interfaces, database design and algorithm design. This is achieved through the use of architectural patterns, design patterns, sequence diagrams, class diagrams, relational models and user interfaces

## Requirement Specification

### Hardware Configuration :

#### Client Side:

RAM	512 MB
Hard disk	10 GB
Processor	1.0 GHz

#### Server side:

RAM	1 GB
Hard disk	20 GB
Processor	2.0 GHz

### Software Requirement:

#### Client Side:

Web Browser	Google Chrome or any compatible browser
Operating System	Windows or any equivalent OS

**Server Side:**

<b>Web Server</b>	APACHE
<b>Server side Language</b>	PHP5.6 or above version
<b>Database Server</b>	MYSQL
<b>Web Browser</b>	Google Chrome or any compatible browser
<b>Operating System</b>	Windows or any equivalent OS

**APACHE**

The Apache HTTP Server Project is an effort to develop and maintain an open-source HTTP server for modern operating systems including UNIX and Windows. The goal of this project is to provide a secure, efficient and extensible server that provides HTTP services in sync with the current HTTP standards.

The Apache HTTP Server ("httpd") was launched in 1995 and it has been the most popular web server on the Internet since April 1996. It has celebrated its 20th birthday as a project in February 2015.

## **PHP**

- PHP stands for PHP: Hypertext Preprocessor.
- PHP is a server-side scripting language, like ASP.
- PHP scripts are executed on the server.
- PHP supports many databases (MYSQL, Informix, Oracle, Sybase, Solid, Generic ODBC, etc.).
- PHP is an open source software .
- PHP is free to download and use.

## **MYSQL**

- MYSQL is a database server
- MYSQL is ideal for both small and large applications
- MYSQL supports standard SQL
- MYSQL compiles on a number of platforms
- MYSQL is free to download and use
- How to access MySQL:

<http://localhost/phpmyadmin>

## **Feasibility analysis**

The analysis of the requirement has led to a conclusion that the project is feasible with respect to time and cost. The data collection from the field is assured by the client to provide. The technology used to develop is almost Open Source, therefore less cost for implementation and maintenance will be involved. A feasibility study is an analysis used in measuring the ability and likelihood to complete a project successfully including all relevant factors. It must account for factors that affect it such as economic, technological and time factors. It is used to assess the strengths and weaknesses of a proposed project and present directions of activities which will improve a project and achieve desired results.

### **Economic feasibility**

The purpose of economic feasibility assessment is to determine the positive economic benefits to the organization that the proposed system will provide. The assessment typically involves a cost/benefits analysis.

### **Technical feasibility**

Technical analysis is a trading tool employed to evaluate securities and attempt to forecast the future movement. I am using java language and other tools like net beans to develop the software.

### **Operational feasibility**

Operational feasibility is a measure of how well proposed system solves the problems, and takes advantage of the opportunities identified during scope definition and how it satisfies the requirements analysis phase of the system development.

## Analysis and Design

### **Analysis:**

In present all doctor appointment work done on the paper. The whole year data is stored in the registers. We can't generate reports as per our requirements because its take more time to calculate report of doctor appointments.

### **Disadvantage of present system:**

- **Not user friendly:** The present system not user friendly because data is not stored in structure and proper format.
- **Manual Control:** All report calculation is done manually so there is a chance of error.
- **Lots of paper work:** Visitors maintain in the register so lots of paper require storing details.
- **Time consuming**

**Design Introduction:**

Design is the first step in the development phase for any techniques and principles for the purpose of defining a device, a process or system in sufficient detail to permit its physical realization.

Once the software requirements have been analyzed and specified the software design involves three technical activities - design, coding, implementation and testing that are required to build and verify the software.

The design activities are of main importance in this phase, because in this activity, decisions ultimately affecting the success of the software implementation and its ease of maintenance are made. These decisions have the final bearing upon reliability and maintainability of the system. Design is the only way to accurately translate the customer's requirements into finished software or a system.

Design is the place where quality is fostered in development. Software design is a process through which requirements are translated into a representation of software. Software design is conducted in two steps. Preliminary design is concerned with the transformation of requirements into data

UML Diagrams:

Actor:

A coherent set of roles that users of use cases play when interacting with the use cases.



Use case: A description of sequence of actions, including variants, that a system performs that yields an observable result of value of an actor.



UML stands for Unified Modeling Language. UML is a language for specifying, visualizing and documenting the system. This is the step while developing any product after analysis. The goal from this is to produce a model of the entities involved in the project which later need to be built.

The representation of the entities that are to be used in the product being developed need to be designed.

#### **USECASE DIAGRAMS:**

Use case diagrams model behavior within a system and helps the developers understand of what the user require. The stick man represents what's called an actor.

Use case diagram can be useful for getting an overall view of the system and clarifying who can do and more importantly what they can't do.

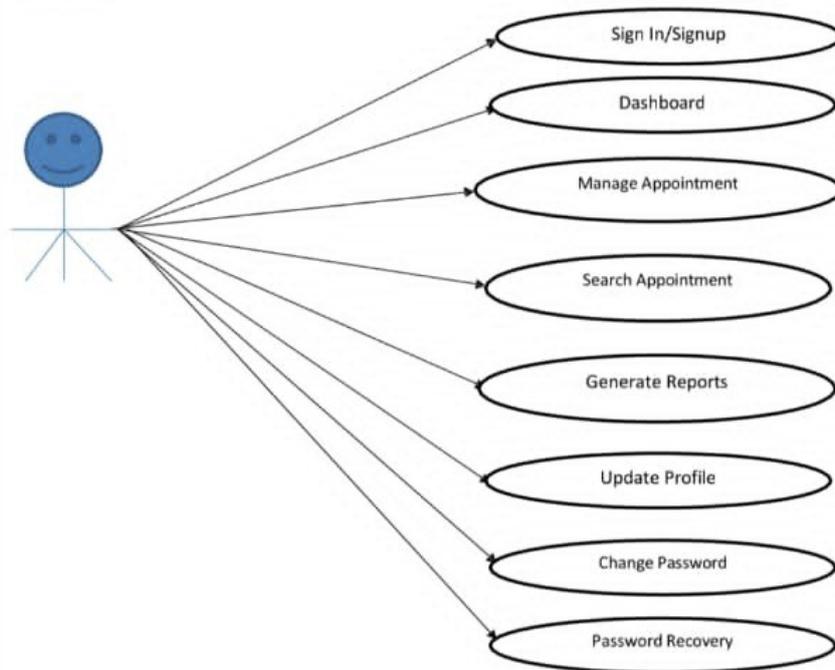
Use case diagram consists of use cases and actors and shows the interaction between the use case and actors.

- The purpose is to show the interactions between the use case and actor.
- To represent the system requirements from user's perspective.
- An actor could be the end-user of the system or an external system.

**USECASE DIAGRAM:** A Use case is a description of set of sequence of actions. Graphically it is rendered as an ellipse with solid line including only its name. Use case diagram is a behavioral diagram that shows a set of use cases and actors and their relationship. It is an association between the use cases and actors. An actor represents a real-world object. Primary Actor – Sender, Secondary Actor Receiver.

**Use Case Diagrams:**

**Doctor**



User



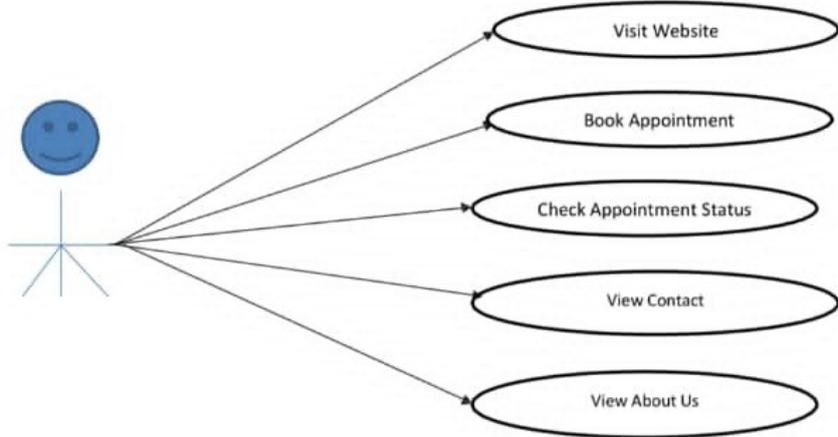
Visit Website

Book Appointment

Check Appointment Status

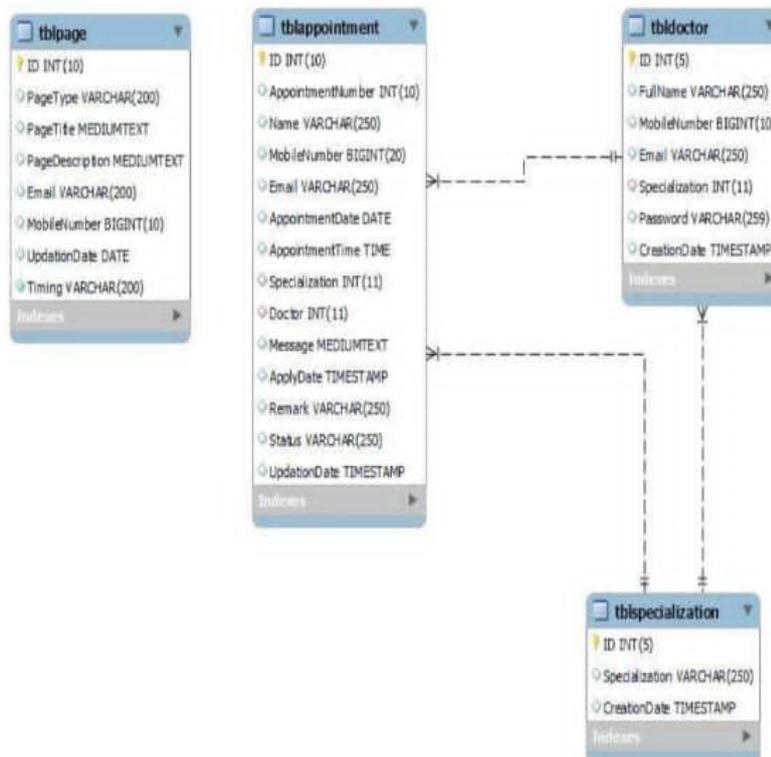
View Contact

View About Us



### Class Diagram:

A description of set of objects that share the same attributes operations, relationships, and semantics.



**ER Diagram:**

The Entity-Relationship (ER) model was originally proposed by Peter in 1976 [Chen76] as a way to unify the network and relational database views. Simply stated the ER model is a conceptual data model that views the real world as entities and relationships. A basic component of the model is the Entity-Relationship diagram which is used to visually represent data objects. Since Chen wrote his paper the model has been extended and today it is commonly used for database design for the database designer, the utility of the ER model is:

- It maps well to the relational model. The constructs used in the ER model can easily be transformed into relational tables.
- It is simple and easy to understand with a minimum of training. Therefore, the model can be used by the database designer to communicate the design to the end user.
- In addition, the model can be used as a design plan by the database developer to implement a data model in specific database management software.

**ER Notation**

There is no standard for representing data objects in ER diagrams. Each modeling methodology uses its own notation. The original notation used by Chen is widely used in academics texts and journals but rarely seen in either CASE tools or publications by non-academics. Today, there are a

number of notations used; among the more common are Bachman, crow's foot, and IDEFIX.

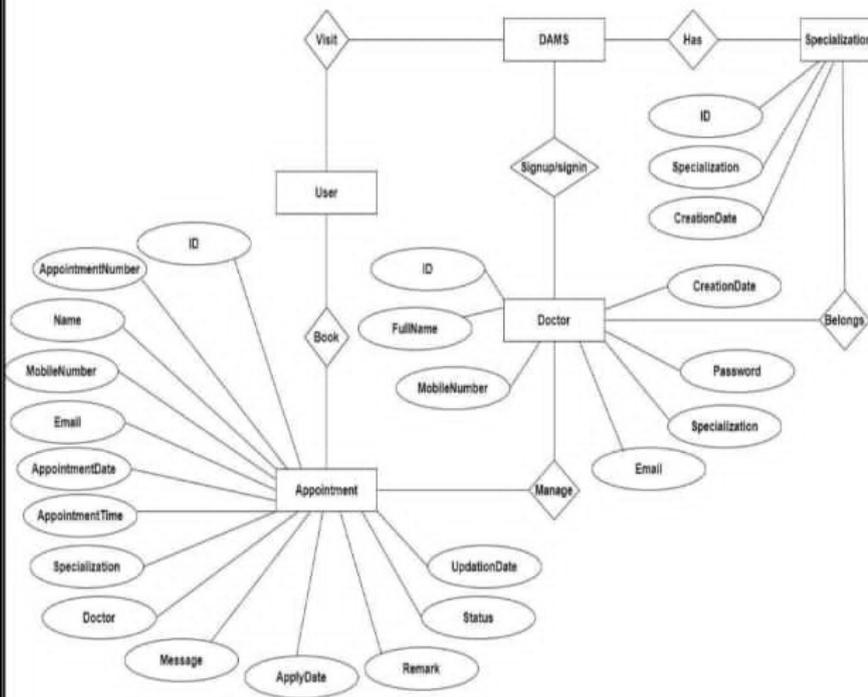
All notational styles represent entities as rectangular boxes and relationships as lines connecting boxes. Each style uses a special set of symbols to represent the cardinality of a connection. The notation used in this document is from Martin. The symbols used for the basic ER constructs are:

- **Entities** are represented by labeled rectangles. The label is the name of the entity. Entity names should be singular nouns.
- **Relationships** are represented by a solid line connecting two entities. The name of the relationship is written above the line. Relationship names should be verbs
- **Attributes**, when included, are listed inside the entity rectangle. Attributes which are identifiers are underlined. Attribute names should be singular nouns.
- **Cardinality** of many is represented by a line ending in a crow's foot. If the crow's foot is omitted, the cardinality is one.

**Existence** is represented by placing a circle or a perpendicular bar on the line. Mandatory existence is shown by the bar (looks like a 1) next to the

entity for an instance is required. Optional existence is shown by placing a circle next to the entity that is optional.

### ER Diagram



### MySQL Data Tables:

**Doctor Table:**(Table name is tbldoctor)

This store doctor personal and login details.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	ID	int(5)			No	None		AUTO_INCREMENT
2	FullName	varchar(250)	latin1_swedish_ci		Yes	NULL		
3	MobileNumber	bigint(10)			Yes	NULL		
4	Email	varchar(250)	latin1_swedish_ci		Yes	NULL		
5	Specialization	varchar(250)	latin1_swedish_ci		Yes	NULL		
6	Password	varchar(250)	latin1_swedish_ci		Yes	NULL		
7	CreationDate	timestamp			Yes	current_timestamp()		

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	ID	2	A	No	

**Specialization Table**(Table name is tblspecialization)

This table stores the specialization of doctor.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	ID	int(5)			No	None		AUTO_INCREMENT
2	Specialization	varchar(250)	latin1_swedish_ci		Yes	NULL		
3	CreationDate	timestamp			Yes	current_timestamp()		

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	ID	13	A	No	

**Appointment Table:** (Table name is tblappointment)

This table stores the details of appointment and doctor remark.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	ID	int(10)			No	None		AUTO_INCREMENT
2	AppointmentNumber	int(10)			Yes	NULL		
3	Name	varchar(250)	latin1_swedish_ci		Yes	NULL		
4	MobileNumber	bigint(20)			Yes	NULL		
5	Email	varchar(250)	latin1_swedish_ci		Yes	NULL		
6	AppointmentDate	date			Yes	NULL		
7	AppointmentTime	time			Yes	NULL		
8	Specialization	varchar(250)	latin1_swedish_ci		Yes	NULL		
9	Doctor	int(10)			Yes	NULL		
10	Message	mediumtext	latin1_swedish_ci		Yes	NULL		
11	ApplyDate	timestamp			Yes	current_timestamp()		
12	Remark	varchar(250)	latin1_swedish_ci		Yes	NULL		
13	Status	varchar(250)	latin1_swedish_ci		Yes	NULL		
14	UpdateDate	timestamp			Yes	NULL		ON UPDATE CURRENT_TIMESTAMP()

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	ID	5	A	No	

**Data Flow Diagrams**

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It can be manual, automated, or a combination of both.

It shows how data enters and leaves the system, what changes the information, and where data is stored.

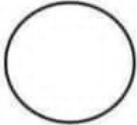
The objective of a DFD is to show the scope and boundaries of a system as a whole. It may be used as a communication tool between a system analyst and any person who plays a part in the order that acts as a starting point

for redesigning a system. The DFD is also called as a data flow graph or bubble chart.

**The following observations about DFDs are essential:**

1. All names should be unique. This makes it easier to refer to elements in the DFD.
2. Remember that DFD is not a flow chart. Arrows in a flow chart that represents the order of events; arrows in DFD represents flowing data. A DFD does not involve any order of events.
3. Suppress logical decisions. If we ever have the urge to draw a diamond-shaped box in a DFD, suppress that urge! A diamond-shaped box is used in flow charts to represent decision points with multiple existing paths of which the only one is taken. This implies an ordering of events, which makes no sense in a DFD.
4. Do not become bogged down with details. Defer error conditions and error handling until the end of the analysis.

Standard symbols for DFDs are derived from the electric circuit diagram analysis and are shown in fig:

Symbol	Name	Function
	Data flow	Used to Connect Processes to each other, to sources or Sinks; the arrow head indicates direction of data flow.
	Process	Performs Some transformation of Input data to yield output data.
	Source of Sink (External Entity)	A Source of System inputs or Sink of System outputs.
	Data Store	A repository of data; the arrow heads indicate net inputs and net outputs to store.

**Symbols for Data Flow Diagrams**

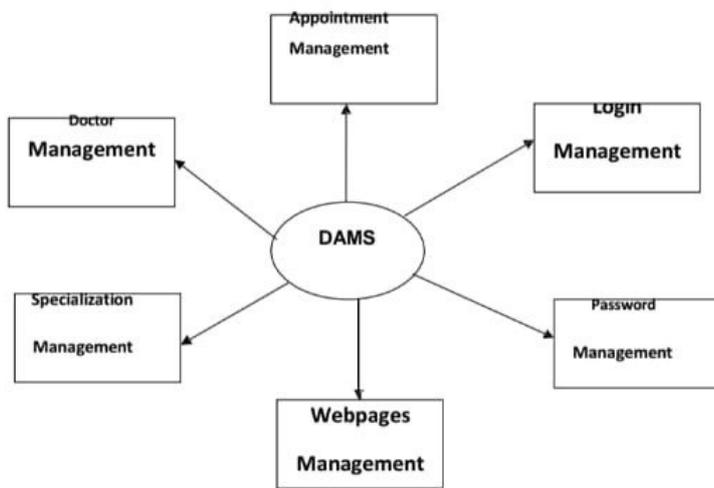
**Circle:** A circle (bubble) shows a process that transforms data inputs into data outputs.

**Data Flow:** A curved line shows the flow of data into or out of a process or data store.

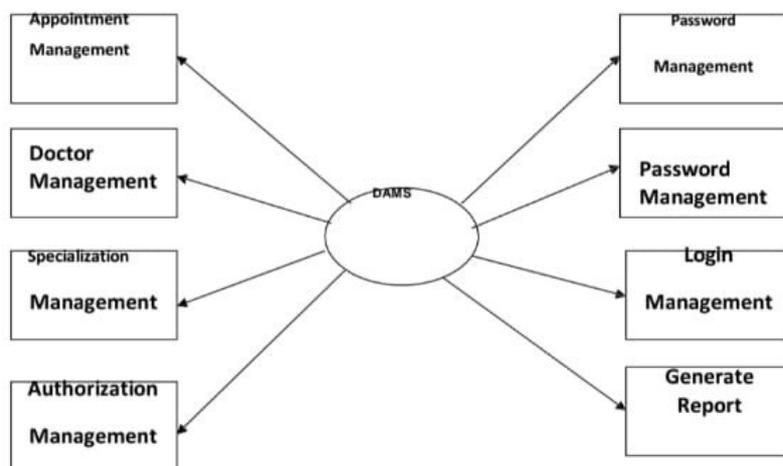
**Data Store:** A set of parallel lines shows a place for the collection of data items. A data store indicates that the data is stored which can be used at a later stage or by the other processes in a different order. The data store can have an element or group of elements.

**Source or Sink:** Source or Sink is an external entity and acts as a source of system inputs or sink of system outputs.

Zero Level DFD

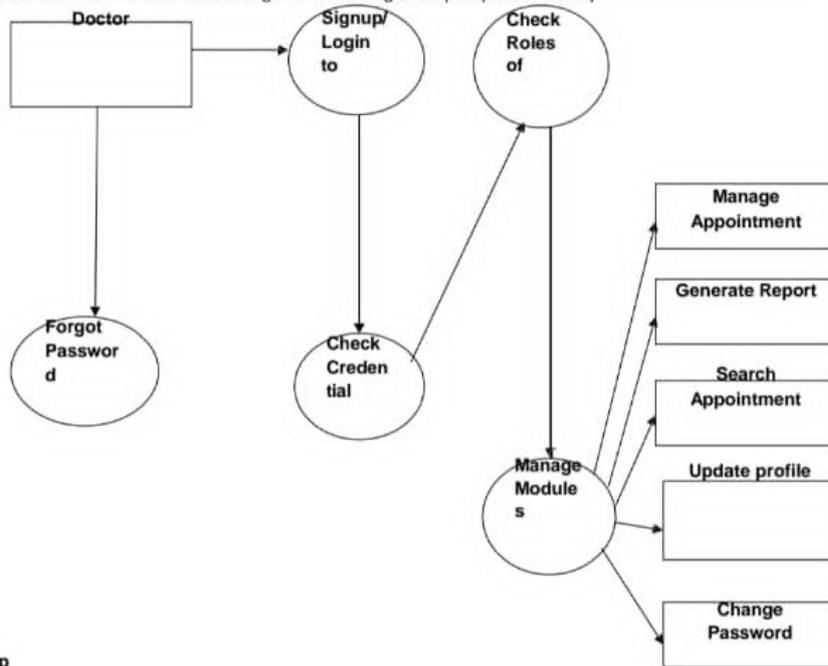


**First Level DFD**



### Second Level DFD

[Type a quote from the document or the summary of an interesting point. You can position the text box anywhere in the document. Use the Text Box Tools tab to change the formatting of the pull quote text box.]



up

## **Implementation and System Testing**

After all phase have been perfectly done, the system will be implemented to the server and the system can be used.

### **System Testing**

The goal of the system testing process was to determine all faults in our project .The program was subjected to a set of test inputs and many explanations were made and based on these explanations it will be decided whether the program behaves as expected or not. Our Project went through two levels of testing

1. Unit testing
2. Integration testing

### **UNIT TESTING**

Unit testing is commenced when a unit has been created and effectively reviewed .In order to test a single module we need to provide a complete environment i.e. besides the section we would require

- The procedures belonging to other units that the unit under test calls
- Non local data structures that module accesses
- A procedure to call the functions of the unit under test with appropriate parameters

### **1. Test for the admin module**

- **Testing admin login form**-This form is used for log in of administrator of the system. In this form we enter the username and password if both are correct administration page will open otherwise if any of data is wrong it will get redirected back to the login page and again ask the details.
- **Report Generation:** admin can generate report from the main database.

### **INTEGRATION TESTING**

In the Integration testing we test various combination of the project module by providing the input.

The primary objective is to test the module interfaces in order to confirm that no errors are occurring when one module invokes the other module.

# Evaluation

Project URL: <http://localhost/dams>

## Home Page



The screenshot displays the home page of a 'Doctor Appointment Management System'. At the top, a navigation bar includes links for Home, About, Doctor Appointment Management System, Check Appointment, Booking, Contact, and Doctor. Below the navigation is a large hero image of a smiling female doctor in a white lab coat standing in a clinical setting. Underneath the hero image is an 'About Us' section with a mission statement and a circular graphic celebrating '12 Years of Experiences'. Below this are two smaller images: one showing a doctor examining a patient's shoulder and another showing a doctor in blue scrubs gesturing. The bottom section is a 'Book an appointment' form with fields for Full name, Email address, Enter Phone Number, dd-mm-yyyy, Select Doctor, and Additional Message, followed by a 'BOOK NOW' button.

Home About **Doctor Appointment Management System** Check Appointment Booking Contact Doctor

**About Us**

Our mission declares our purpose of existence as a company and our objectives.

To give every customer much more than what he/she asks for in terms of quality, selection, value for money and customer service, by understanding local tastes and preferences and innovating constantly to eventually provide an unmatched experience in jewellery shopping.

**12** Years of Experiences

**Book an appointment**

Full name

Email address

Enter Phone Number

dd-mm-yyyy

Select Doctor

Select specialization

Additional Message

**BOOK NOW**

### Timing

10:30 am to 7:30 pm

### Email

info@gmail.com

### Contact Number

7896541239

### Our Clinic

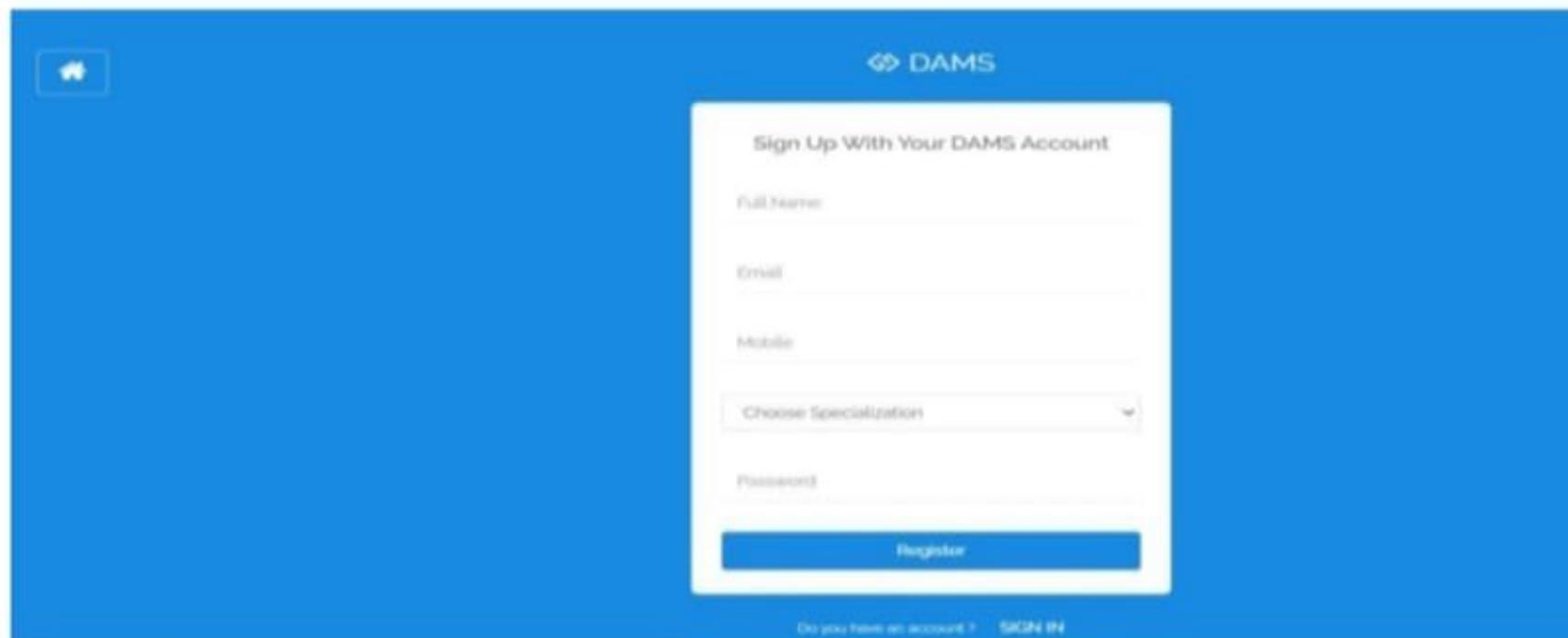
890, Sector 62,  
Gyan Sarovar,  
Dinanagar

### Socials



## Doctor Panel

### Signup



The image shows a web form for signing up with a DAMS account. The form is centered on a blue background. At the top left of the blue area is a small white icon of a house. At the top center is the text "DAMS" with a double-headed arrow icon. The form itself is a white box with the title "Sign Up With Your DAMS Account". It contains several input fields: "Full Name", "Email", "Mobile", and "Password". There is also a dropdown menu labeled "Choose Specialization". A blue "Register" button is at the bottom of the form. Below the form, there is a link that says "Do you have an account? SIGN IN".

🏠

↔ DAMS

Sign Up With Your DAMS Account

Full Name

Email

Mobile

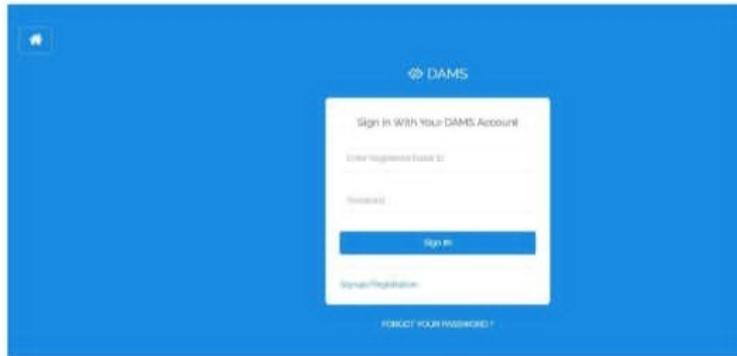
Choose Specialization

Password

Register

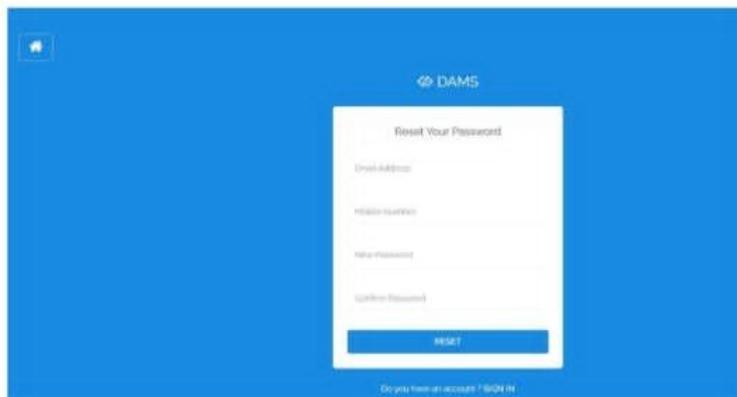
Do you have an account? [SIGN IN](#)

## Login Page



The screenshot shows a login page with a blue background. In the top left corner, there is a small white square icon with a blue house symbol. At the top center, the text "DAMS" is displayed with a circular icon to its left. Below this, the heading "Sign In With Your DAMS Account" is centered. The form contains two input fields: "Enter Registered Email ID:" and "Password:". A blue "Sign In" button is positioned below the password field. At the bottom of the form, there is a link that says "Forgot Your Password?".

## Forgot Password



The screenshot shows a "Forgot Password" page with a blue background. In the top left corner, there is a small white square icon with a blue house symbol. At the top center, the text "DAMS" is displayed with a circular icon to its left. Below this, the heading "Reset Your Password" is centered. The form contains four input fields: "Email Address:", "Mobile Number:", "New Password:", and "Confirm Password:". A blue "RESET" button is positioned below the "Confirm Password" field. At the bottom of the form, there is a link that says "Do you have an account? SIGN IN".

## Dashboard

The screenshot shows the 'Dashboard' page within the DAMS application. On the left is a navigation sidebar with icons for 'Dashboard', 'Appointment', 'Search', and 'Profile'. The main content area features a grid of four cards, each representing a different appointment type: 'Pediatric Appointment' (yellow), 'PC Appointment' (green), 'Dermatology Appointment' (red), and 'Tuck Appointment' (blue). Each card includes a 'View Data' button. Below the grid is a section for 'Pediatric Appointment & Dermatology Appointment'.

## Doctor Profile

The screenshot shows the 'Doctor Profile' page in the DAMS application. The sidebar is identical to the dashboard view. The main content area contains a form for entering doctor information. The fields are: 'Physician ID' (with a dropdown menu), 'Email' (text input), 'Doctor Name' (text input), 'Specialty' (dropdown menu), and 'Hospital/Office' (text input). A green 'Save' button is located at the bottom of the form. Below the form is a section for 'Pediatric Appointment & Dermatology Appointment'.

## Change Password

The screenshot shows a web application interface for changing a password. On the left is a sidebar with a user profile icon and a menu containing 'Dashboard', 'Appointment', 'Search', and 'Report'. The main content area is titled 'Change Password' and contains three input fields: 'Current Password', 'New Password', and 'Confirm Password'. A green 'Change' button is positioned below the 'Confirm Password' field. At the bottom of the form, there is a small text link: 'Forgot Password? Reset Password? Register'.

## New Appointment

The screenshot shows a web application interface for creating a new appointment. The sidebar is identical to the previous screenshot. The main content area is titled 'New Appointment' and features a table with columns: 'Sl No', 'Appointment Number', 'Patient Name', 'Mobile Number', 'Block', 'Status', and 'Action'. There are three rows in the table, each with a 'Book' button in the 'Action' column. Below the table, there is a small text link: 'Forgot Password? Reset Password? Register'.

Sl No	Appointment Number	Patient Name	Mobile Number	Block	Status	Action
1	1000000001	John A.	09876543210	REGISTRATION	Not Booked Yet	Book
2	1000000002	Jane	98765432109	REGISTRATION	Not Booked Yet	Book
3	1000000003	Robert Smith	56789012345	Block	Booked	Action



Dr. Anusakha Singh  
anu@gmail.com

- Dashboard
- Appointment >
- Search
- Report

### Appointment Details

Appointment Number	499219152	Patient Name	Mukesh Yadav
Mobile Number	7977797979	Email	mukesh@gmail.com
Appointment Date	2024-05-13	Appointment Time	12:30:00
Apply Date	2024-05-10 12:38:58	Appointment Final Status	Your appointment has been approved
Remark	Your appointment has been approved, kindly come at mention time		

Doctor Appointment Management System

Activate Windows  
Go to Settings to activate Windows

# Approved Appointment

Dashboard

Approved Appointment

S.No	Appointment Number	Patient Name	Mobile Number	Email	Status	Action
1	49979152	Mukesh Yadav	7977797979	mukesh@gmail.com	Approved	<a href="#">View</a>
2	66791892	Rahul	14325144	rk@gmail.com	Approved	<a href="#">View</a>

Doctor Appointment Management System



## Appointment Details

Appointment Number	667282012	Patient Name	Rahul
Mobile Number	1425251414	Email	rk3@gmail.com
Appointment Date	2024-05-15	Appointment Time	18:31:00
Apply Date	2024-05-11 07:18:52	Appointment Final Status	Your appointment has been approved
Remark	Approved		

# Cancelled Appointment

The screenshot shows a web application interface. On the left is a sidebar with navigation options: 'DAMS', a user profile icon, 'Dashboard', 'Appointment' (with a dropdown menu containing 'New Appointment', 'Approved Appointment', 'Cancelled Appointment', and 'All Appointment'), 'Search', and 'Report'. The main content area has a blue header with a back arrow and the text 'Dashboard'. Below the header, the title 'Cancelled Appointment' is displayed above a table. The table has columns for S.No, Appointment Number, Patient Name, Mobile Number, Email, Status, and Action. One row is visible with the following data: S.No: 1, Appointment Number: 1415/1395, Patient Name: Rajesh Kaur, Mobile Number: 980, Email: raj@gmail.com, Status: Cancelled, and Action: View (a blue button). Below the table, the text 'Doctor Appointment Management System' is visible.

S.No	Appointment Number	Patient Name	Mobile Number	Email	Status	Action
1	1415/1395	Rajesh Kaur	980	raj@gmail.com	Cancelled	<a href="#">View</a>

Doctor Appointment Management System

## View Cancelled Appointment

The screenshot shows the 'View Cancelled Appointment' page in the DAMS system. The left sidebar contains navigation options: Dashboard, Appointment, View Appointment, Cancelled Appointment, Un-cancelled Appointment, Search, and Report. The main content area is titled 'Cancelled Appointment' and displays a table with columns: S.No, Appointment Number, Patient Name, Patient Number, Email, Status, and Action. The table contains one row with the following data: S.No: 1, Appointment Number: 12345678, Patient Name: ABC, Patient Number: 1234567890, Email: abc@xyz.com, Status: Cancelled, and Action: View. Below the table, there is a text label: 'View Appointment: 1234567890'.

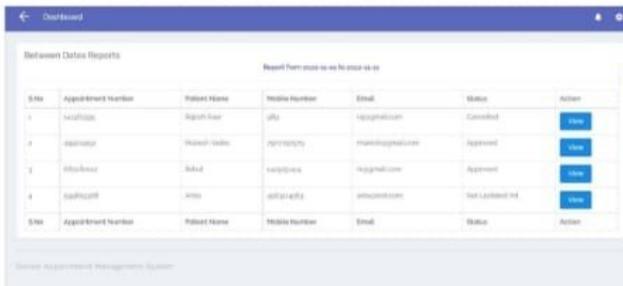
## Search Appointment

The screenshot shows the 'Search Appointment' page in the DAMS system. The left sidebar is the same as in the previous screenshot. The main content area has a search bar with the text 'Appointment Number: 1234567890' and a 'Search' button. Below the search bar, the results are displayed under the heading 'Result against "1234" keyword'. The table has columns: S.No, Appointment Number, Patient Name, Patient Number, Email, Status, and Action. The table contains one row with the following data: S.No: 1, Appointment Number: 12345678, Patient Name: ABC, Patient Number: 1234567890, Email: abc@xyz.com, Status: Appointment, and Action: View. Below the table, there is a text label: 'View Appointment: 1234567890'.

## Report

The screenshot shows the 'Report' page in the DAMS system. The left sidebar is the same as in the previous screenshots. The main content area is titled 'Between Dates Report of Appointments'. It features two input fields: 'From Date' with the value '01-01-2022' and 'To Date' with the value '01-01-2022'. Below these fields is a green 'Search' button. At the bottom of the page, there is a text label: 'View Appointment: 1234567890'.

## View between dates reports



The screenshot displays a web interface for a DAMS (Dental Appointment Management System). The main content area shows a table titled "Between Dates Reports" with a sub-header "Report From 2023-09-10 to 2023-09-10". The table lists appointment details for three patients, each with a corresponding "View" button in the Action column.

S.No	Appointment Number	Patient Name	Mobile Number	Email	Status	Action
1	10000001	Robert Ross	9876543210	robert@robert.com	Cancelled	<a href="#">View</a>
2	10000002	Robert Smith	9876543210	robert@robert.com	Approved	<a href="#">View</a>
3	10000003	John	9876543210	john@john.com	Approved	<a href="#">View</a>

Footer: Dental Appointment Management System

## **Conclusion**

This Application provides a computerized version of doctor appointment which will benefit the people who wants to take appointment with doctor online.

It makes entire process online and can generate reports. It has a facility of doctor login where doctor can manage user appointment and generate appointment report.

The Application was designed in such a way that future changes can be done easily. The following conclusions can be deduced from the development of the project.

- Automation of the entire system improves the productivity.
- It provides a friendly graphical user interface which proves to be better when compared to the existing system.
- It gives appropriate access to the authorized users depending on their permissions.
- It effectively overcomes the delay in communications.
- Updating of information becomes so easier.

- System security, data security and reliability are the striking features.
- The System has adequate scope for modification in future if it is necessary.

### **Future Enhancement**

I have tried to design the software in such a way that the user may not have any difficulty in using this system and further expansion is also possible. New requirements will be added and risk will be analyzed in every phase until the requirement of user will not be fulfilled. The most priority will be given to keep confidential data secure and easy and simple for use.

The further enhancements which can be made in the system are:

- Any requirement that will make system easy to use or make a system secure, these requirement will be add using Spiral Model. Other requirement related to government or municipality will be added when required.
- For the identity of user and for their data integrity, digital signature can be added to this system.
- For the identity of user and for verification, image of user can be added to this system.
- There will be provision of filling form in multiple languages.
- A great concern will be given on frontend design which will make user to use system easily and enjoy while using this system.

## **Bibliography**

### **For PHP**

- <https://www.w3schools.com/php/default.asp>
- <https://www.sitepoint.com/php/>
- <https://www.php.net/>

### **For MySQL**

- <https://www.mysql.com/>
- <http://www.mysqltutorial.org>

### **For XAMPP**

- <https://www.apachefriends.org/download.html>

**Project Report**

**On**

**CAR WASHING MANAGEMENT SYSTEM**

Submitted in partial fulfillment of the requirements for the award of degree of

**M.Sc (INFORMATION TECHNOLOGY)**

**TO**

**SHANTI DEVI ARYA MAHILA COLLEGE**

**DINANAGAR**



**Submitted To:-**

**Mrs. Neha Saini**

**Assistant Professor**

**Post Graduate Dept. Of Computer Science & IT**

**Submitted By:**

**Riya Thakur**

**(20862225410)**

**Shelly**

**(20862225411)**

**POST GRADUATE DEPARTMENT OF COMPUTER Sc. & IT**

**GURU NANAK DEV UNIVERSITY, AMRITSAR**

## **ACKNOWLEDGEMENT**

With deep sense of gratitude we express our sincere thanks and obligation to our esteemed guide Mrs. Neha Saini (Assistant Professor). It is because of her able and mature guidance and co-operation without which it would not have been possible for us to complete our project.

We would also like to thank Dr. Deepak Jyoti, HOD, Post Graduate Dept. of Comp Sc. & IT, Shanti Devi Arya Mahila College, Dinanagar for providing the institute with an environment where one can use her intellect and creativity to develop something fruitful and also for allowing us the opportunity to experience dynamic professional environment during our Training. This environment facilitated us in pursuing this project.

It is our pleasant duty to thank all the staff members of the Computer Department for their time to time suggestions.

Finally, we would like to thank the almighty and our parents for their moral support and our friends with whom we shared our day-to-day experience and received lots of suggestions that improved our quality of work.

**Riya Thakur**

**20862225410**

**Shelly**

**20862225411**

## **CERTIFICATE OF APPROVAL**

This is certify that the project report entitled **CAR WASHING MANAGEMENT SYSTEM** submitted to Shanti Devi Arya Mahila College, Dinanagar in partial fulfillment of the requirement for the award of degree of M.Sc (Information Technology) , is an authentic and original work carried out by Riya Thakur (20862225410) Shelly (20862225411) under my guidance and supervision. The Post Graduate dept. of Comp Sc. & IT has accepted the report as the fulfillment of the requirements for the degree of Master of Information Technology. No part of this report has been submitted to any other College/University for the reward of any Degree to the best of my knowledge.

**Mrs. Neha Saini**

**Assistant Professor (Comp Sc.)**

**(Project Supervisor)**

**Shanti Devi Arya Mahila College**

**Dinanagar**

**Dr. Deepak Jyoti**

**Head, PG Department of Comp Sc. & IT**

**Shanti Devi Arya Mahila College**

**Dinanagar**

## **DECLARATION**

We hereby declare that this project report on “CAR WASHING MANAGEMENT SYSTEM” which is being submitted in partial fulfillment of the Training Programme of M.Sc (Information Technology) to Shanti Devi Arya Mahila College, Dinanagar, is the result of the work carried out by us, under the guidance of Mrs. Neha Saini (Assistant Professor). Shanti Devi Arya Mahila College, Dinanagar

**Riya Thakur**

**20862225410**

**Shelly**

**20862225411**

# 1. Project Overview

We aim to become a pioneer in the car washing industry by completely focusing on customers, our employees, growth, innovation and efficiency. All of these elements will drive us towards success and show us as one company that can perform and give value for money.

When it comes car washing services, Cool Service is the most trusted and reliable name in the car washing business. This system uses large quantity of water, thus water recycling plant is also an integral part of the car washing system but at this level we are only presented the car washing only. And this project continually strive to offer the best of services - both in terms of man and machine, to our clients. Moreover, car washing system is fully automated with different stages of foaming, washing, drying and brushing. And this project claim to offer the best of rates, which are tailor-made depending upon the facilities, availed and offer both intercity and intra-city car washing facilities. In Car Washing System, we performed all the operations needed to clean the car successfully by using highly expert and experience worker, also developed mimic of the whole system and works and checked the overall process step by step by visualization. Car washing workers are educated, polite, and reliable and are trained to handle acute breakdowns. Further, this project's utmost priority is quality. A car wash is a service that cleans both the outside and the inside of a vehicle. Self-serve car washes, fully automated car washes, and full-service car washes with employees are all available options. It simplifies automotive cleaning and washing. Blowers or dryers, brushes, conveyor/tunnel carwash equipment, air compressors, applicator pump stations, conveyors, high-pressure equipment, pump stands/racks, and other things are utilized for car washing. Shampooing, rinsing, washing, and drying are all automated steps of the car wash.

Car Washing Management System is fully automated with different stages of foaming, washing, drying and brushing. In Car Washing System, we performed all the operations needed to clean the car successfully by using highly expert and experience worker, also developed mimic of the whole system and works and checked the overall process step by step by visualization. Authorized person maintains the car washing details in papers, which is a tedious task if any updating or changes need to be done.

- Details are stored in Papers.
- Maintenance is a huge problem.
- Updation, changes in details is a tedious task.
- Performance is not achieved up to the requirements.

## **Proposed System**

In the Previous System, Details are Stored Manually in papers, to share the details between employees was a financial drawback. Updating in the details is a tedious task.

But a new system was proposed to overcome the above drawbacks.

Functionalities and advantages of proposed system are:

- Data is Centralized which has overcome the Sharing problem in previous system.
- As data is Maintained electronically, it's easy for a person to update the details, which has overcome the tedious updation in previous system.
- Maintenance is easy and performance is good.
- Mainly the system has automated the Transportation Process.

## 2. Feasibility Report

Preliminary investigation examine project feasibility, the likelihood the system will be useful to the organization. The main objective of the feasibility study is to test the Technical, Operational and Economical feasibility for adding new modules and debugging old running system. All system is feasible if they are unlimited resources and infinite time. There are aspects in the feasibility study portion of the preliminary investigation:

- ✓ Technical Feasibility
- ✓ Operation Feasibility
- ✓ Economical Feasibility

### 2.1. Technical Feasibility

The technical issue usually raised during the feasibility stage of the investigation includes the following:

- ✓ Does the necessary technology exist to do what is suggested?
- ✓ Do the proposed equipments have the technical capacity to hold the data required to use the new system?
- ✓ Will the proposed system provide adequate response to inquiries, regardless of the number or location of users?
- ✓ Can the system be upgraded if developed?
- ✓ Are there technical guarantees of accuracy, reliability, ease of access and data security?
- ✓

Earlier no system existed to cater to the needs of 'Secure Infrastructure Implementation System'. The current system developed is technically feasible. It is a web based user interface for audit workflow . Thus it provides an easy access to the users. The database's purpose is to create, establish and maintain a workflow among various entities in order to facilitate all concerned users in their various capacities or roles. Permission to the users would be granted based on the roles specified.

## **2.2. Operational Feasibility**

Proposed projects are beneficial only if they can be turned out into information system. That will meet the organization's operating requirements. Operational feasibility aspects of the project are to be taken as an important part of the project implementation. Some of the important issues raised are to test the operational feasibility of a project includes the following: -

- ✓ Is there sufficient support for the management from the users?
- ✓ Will the system be used and work properly if it is being developed and implemented?
- ✓ Will there be any resistance from the user that will undermine the possible application benefits?

This system is targeted to be in accordance with the above-mentioned issues. Beforehand, the management issues and user requirements have been taken into consideration. So there is no question of resistance from the users that can undermine the possible application benefits.

## **2.3. Economic Feasibility**

A system can be developed technically and that will be used if installed must still be a good investment for the organization. In the economical feasibility, the development cost in creating the system is evaluated against the ultimate benefit derived from the new systems. Financial benefits must equal or exceed the costs.

## 3. System Analysis

### Overview

We aim to become a pioneer in the car washing industry by completely focusing on customers, our employees, growth, innovation and efficiency. All of these elements will drive us towards success and show us as one company that can perform and give value for money. This Service will make A manager to think of whether the transportation is expensive and maintaining quality or not.

In Car Washing Management System, we performed all the operations needed to clean the car successfully by using highly expert and experience worker, also developed mimic of the whole system, works and checked the overall process step by step by visualization.

. In this project, we use PHP and MySQL database. It has two modules.

1. Admin
2. Users

### Admin

1. **Dashboard:** In this section, admin can see two wheeler and four wheeler vehicle detail in brief.
2. **Washing Points:** In this section, admin can manage washing location (Add/Update).
3. **Add Car Washing Booking:** In this section, admin add car washing booking on his/her end.
4. **Car Washing Booking:** In this section, admin can view booking details of car washing which is booked by users.
5. **Manage Enquiries:** In this section, admin can read the enquiries of users.
6. **Pages:** In this section, the admin can manage about us and contact us pages.

**Admin can also change the password of his/her account.**

## Users

1. **Home Page:** Users can see the listed vehicles on the home page.
2. **About Us:** Users can view about us page.
3. **Washing plans:** User can view car washing plans and book that plans.
4. **Washing points:** User can view car washing location.
5. **Contact us:** Users can view the contact us page and do equiry.

## 4. Requirement Specification

### Hardware Configuration :

#### Client Side:

<b>RAM</b>	512 MB
<b>Hard disk</b>	10 GB
<b>Processor</b>	1.0 GHz

#### Server side:

<b>RAM</b>	<b>1 GB</b>
<b>Hard disk</b>	<b>20 GB</b>
<b>Processor</b>	<b>2.0 GHz</b>

### Software Requirement:

#### Client Side:

<b>Web Browser</b>	Google Chrome or any compatible browser
<b>Operating System</b>	Windows or any equivalent OS

**Server Side:**

<b>Web Server</b>	APACHE
<b>Server side Language</b>	PHP5.6 or above version
<b>Database Server</b>	MYSQL
<b>Web Browser</b>	Google Chrome or any compatible browser
<b>Operating System</b>	Windows or any equivalent OS

**APACHE**

The Apache HTTP Server Project is an effort to develop and maintain an open-source HTTP server for modern operating systems including UNIX and Windows. The goal of this project is to provide a secure, efficient and extensible server that provides HTTP services in sync with the current HTTP standards.

The Apache HTTP Server ("http") was launched in 1995 and it has been the most popular web server on the Internet since April 1996. It has celebrated its 20th birthday as a project in February 2015.

**PHP**

- PHP stands for PHP: Hypertext Preprocessor.
- PHP is a server-side scripting language, like ASP.
- PHP scripts are executed on the server.
- PHP supports many databases (MYSQL, Informix, Oracle, Sybase, Solid, Generic ODBC, etc.).

- PHP is open source software.
- PHP is free to download and use.

## **MYSQL**

- MYSQL is a database server
- MYSQL is ideal for both small and large applications
- MYSQL supports standard SQL
- MYSQL compiles on a number of platforms
- MYSQL is free to download and use
- How to access MySQL: <http://localhost/phpmyadmin>

# 5. System Design

## Unified Modeling Language Diagrams (UML):

- The unified modeling language allows the software engineer to express an analysis model using the modeling notation that is governed by a set of syntactic semantic and pragmatic rules.
- A UML system is represented using five different views that describe the system from distinctly different perspective. Each view is defined by a set of diagram, which is as follows.

### User Model View

- i. This view represents the system from the users perspective.
- ii. The analysis representation describes a usage scenario from the end-users perspective.

### Structural model view

- ◆ In this model the data and functionality are arrived from inside the system.
- ◆ This model view models the static structures.

### Behavioral Model View

- ◆ It represents the dynamic of behavioral as parts of the system, depicting the interactions of collection between various structural elements described in the user model and structural model view.

### Implementation Model View

- ◆ In this the structural and behavioral as parts of the system are represented as they are to be built.

### Environmental Model View

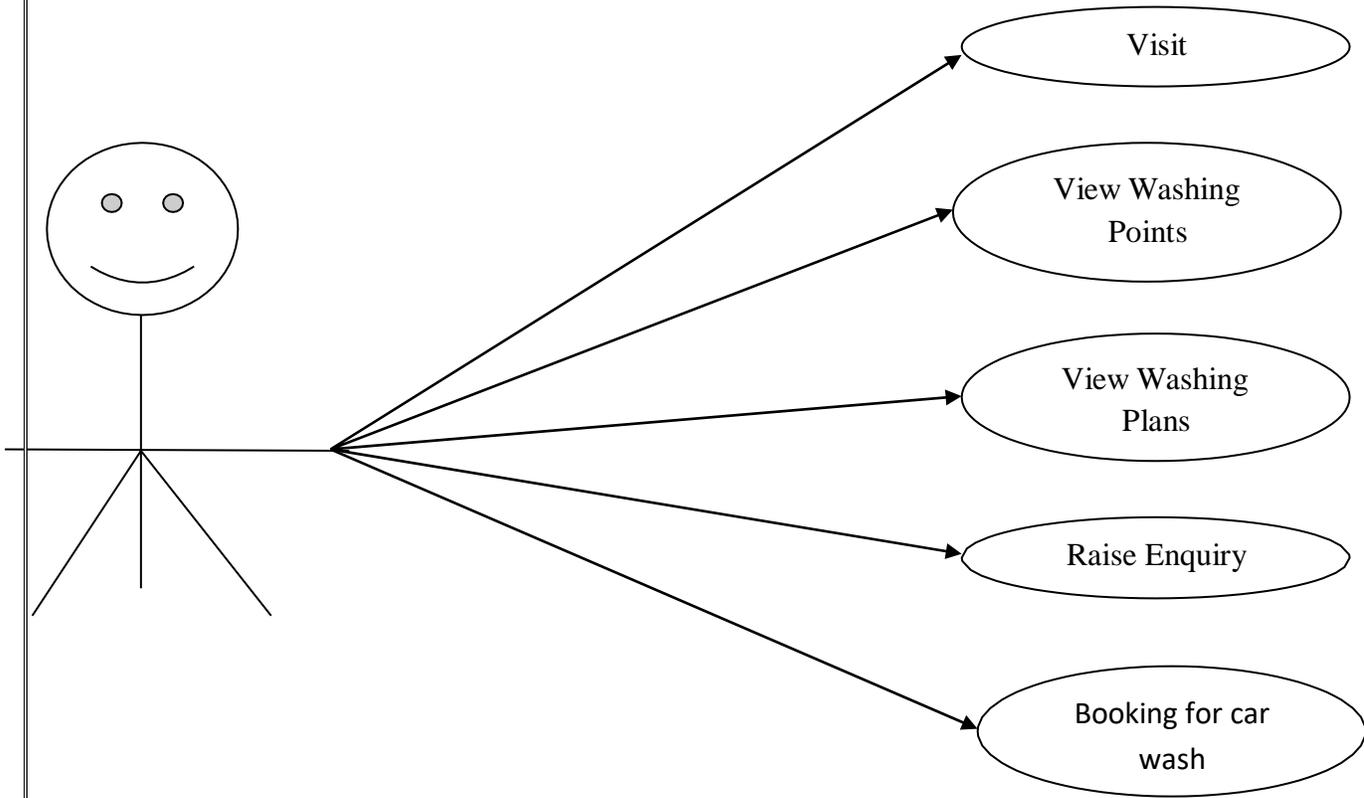
In this the structural and behavioral aspects of the environment in which the system is to be implemented are represented.

UML is specifically constructed through two different domains they are

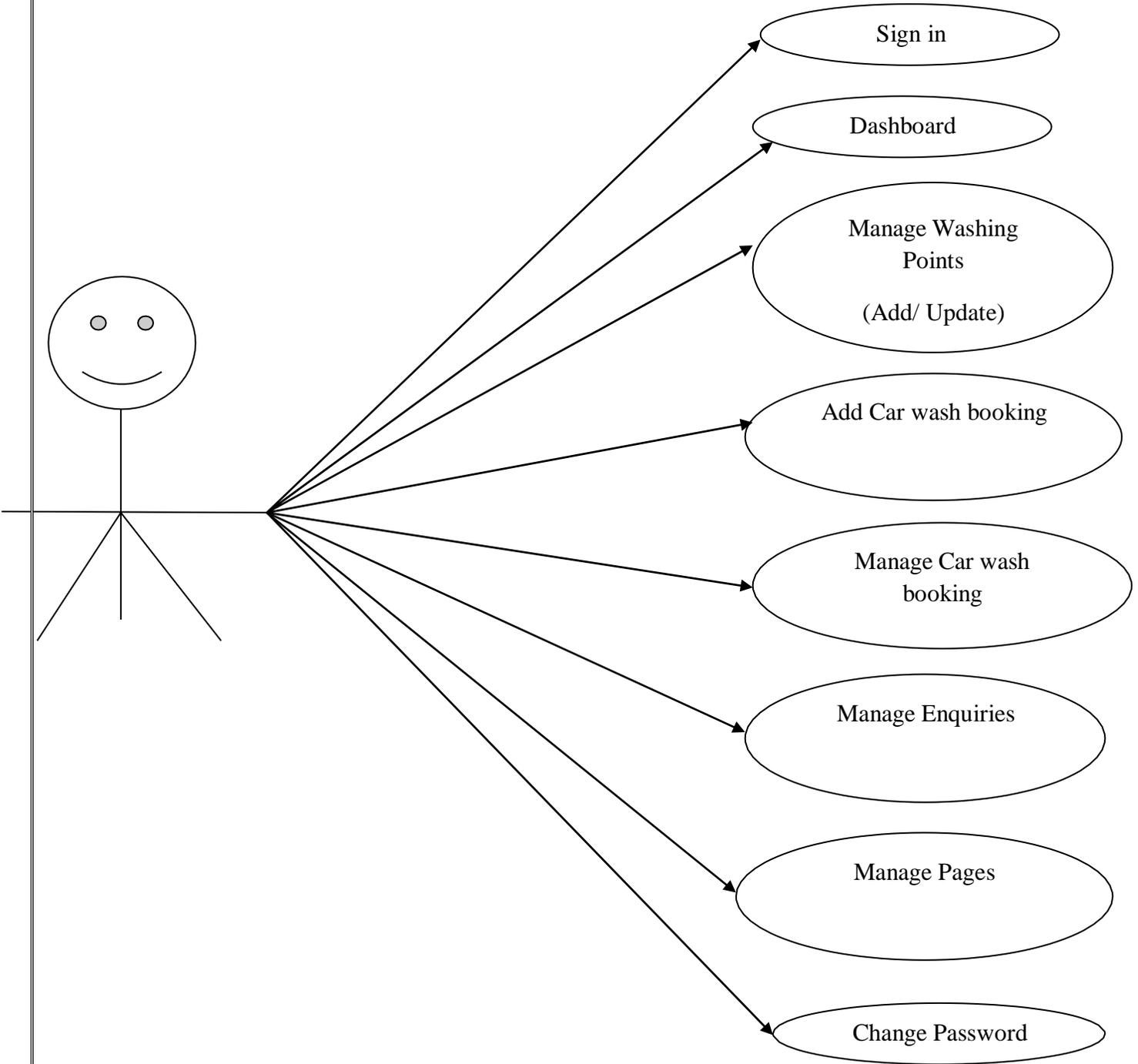
- ◆ UML Analysis modeling, which focuses on the user model and structural model views of the system?

- ◆ UML design modeling, which focuses on the behavioral modeling, implementation modeling and environmental model views.

**Use Case flow Diagram (User)**



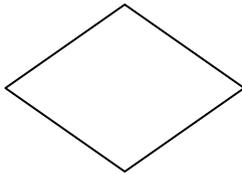
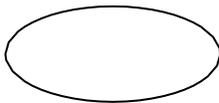
**Use Case flow Diagram (Admin)**



## ENTITY-RELATIONSHIP Diagrams

E-R (Entity-Relationship) Diagram is used to represent the relationship between entities in the table.  
The symbols used in E-R diagrams are:

### SYMBOL



### PURPOSE

Represents Entity sets.

Represent attributes.

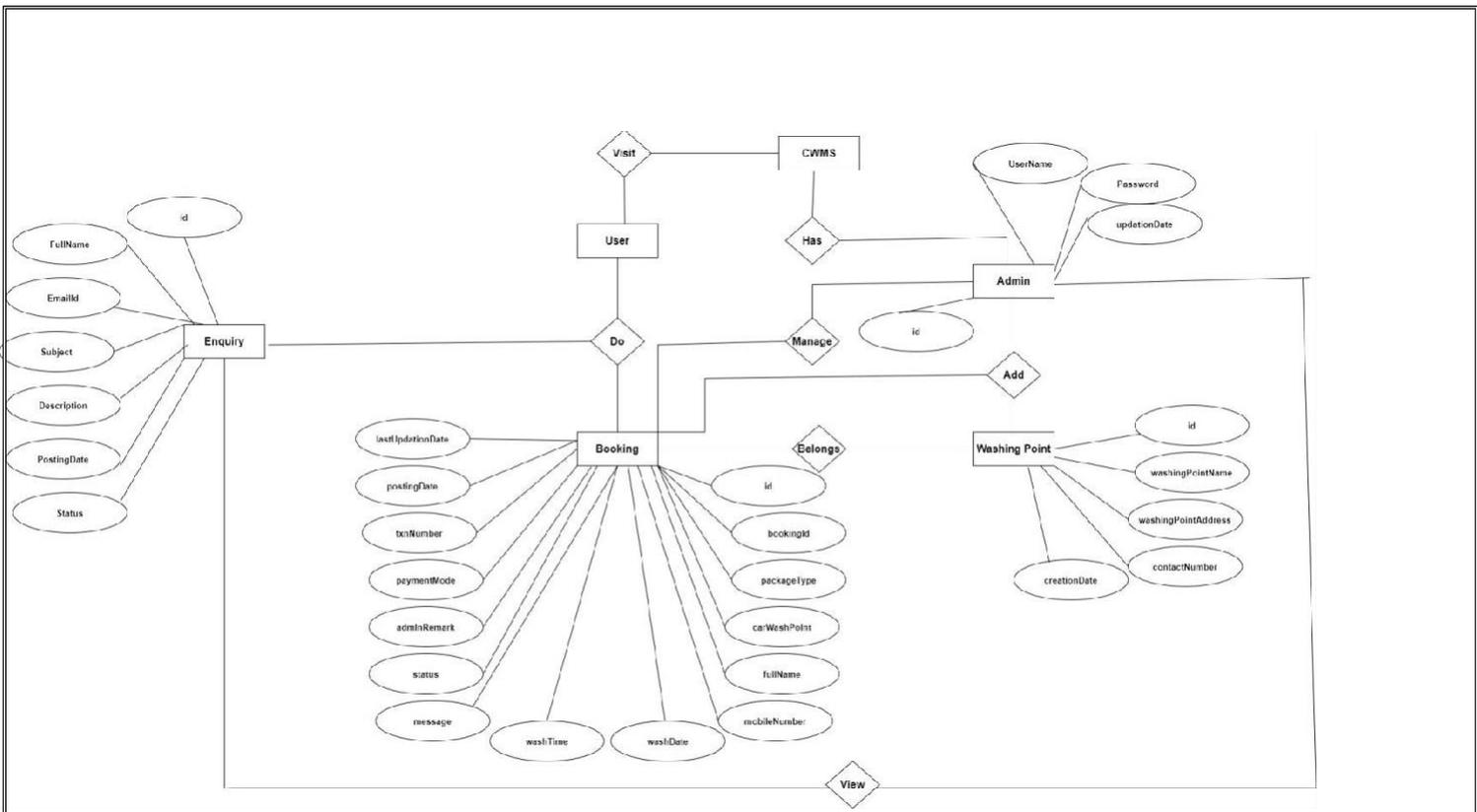
Represent Relationship Sets.

Line represents flow

Structured analysis is a set of tools and techniques that the analyst.

To develop a new kind of a system:

The traditional approach focuses on the cost benefit and feasibility analysis, Project management, and hardware and software selection a personal considerations.



## 6. Database Implementation

MYSQL- MySQL ("My S-Q-L", officially, but also called "My Sequel") is (as of July 2013) the world's second most widely used open-source relational database management system (RDBMS). It is named after co-founder Michael Widenius daughter, My. The SQL phrase stands for Structured Query Language. The MySQL development project has made its source code available under the terms of the GNU General Public License, as well as under a variety of proprietary agreements. MySQL was owned and sponsored by a single for-profit firm, the Swedish company MySQL AB, now owned by Oracle Corporation. MySQL is a popular choice of database for use in web applications, and is a central component of the widely used LAMP opens source web application software stack (and other 'AMP' stacks). LAMP is an acronym for "Linux, Apache, MySQL, Perl/PHP/Python." Free-software-open source projects that require a full-featured database management system often use MySQL. For commercial use, several paid editions are available, and offer additional functionality. Applications which use MySQL databases Library Management System include: TYPO3, MODx, Joomla, WordPress, phpBB, MyBB, Drupal and other software. MySQL is also used in many high-profile, large-scale websites, including Wikipedia, Google (though not for searches), Facebook, Twitter, Flickr, and YouTube.

### Database tables

In this project various tables used for maintain the information.

**admin** : This table use to store admin login details.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	<b>id</b> 	int(11)			No	None		AUTO_INCREMENT
2	<b>UserName</b>	varchar(100)	latin1_swedish_ci		Yes	NULL		
3	<b>Password</b>	varchar(100)	latin1_swedish_ci		Yes	NULL		
4	<b>updationDate</b>	timestamp			Yes	NULL		

**tblenquiry**: This table store the enquiry details of users..

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	<b>id</b> 	int(11)			No	None		AUTO_INCREMENT
2	<b>FullName</b>	varchar(100)	latin1_swedish_ci		Yes	NULL		
3	<b>EmailId</b>	varchar(100)	latin1_swedish_ci		Yes	NULL		
4	<b>Subject</b>	varchar(100)	latin1_swedish_ci		Yes	NULL		
5	<b>Description</b>	mediumtext	latin1_swedish_ci		Yes	NULL		
6	<b>PostingDate</b>	timestamp			Yes	current_timestamp()		
7	<b>Status</b>	int(1)			Yes	NULL		

**tblwashingpoints:** This table use to store location of car washing.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	<b>id</b> 	int(11)			No	None		AUTO_INCREMENT
2	<b>washingPointName</b>	varchar(255)	latin1_swedish_ci		Yes	NULL		
3	<b>washingPointAddress</b>	varchar(255)	latin1_swedish_ci		Yes	NULL		
4	<b>contactNumber</b>	bigint(20)			Yes	NULL		
5	<b>creationDate</b>	timestamp			No	current_timestamp()		

**tblcarwashbooking:** This table use to car washing booking details.

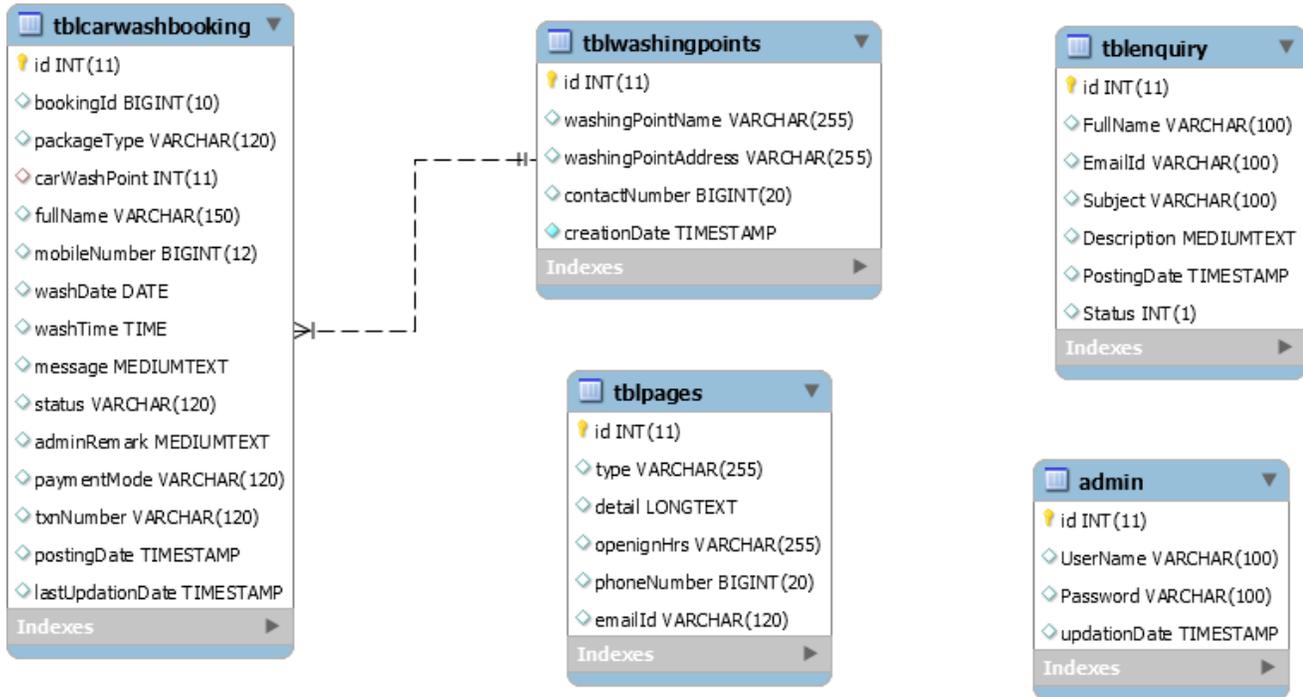
#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	<b>id</b> 	int(11)			No	None		AUTO_INCREMENT
2	<b>bookingId</b>	bigint(10)			Yes	NULL		
3	<b>packageType</b>	varchar(120)	latin1_swedish_ci		Yes	NULL		
4	<b>carWashPoint</b>	int(11)			Yes	NULL		
5	<b>fullName</b>	varchar(150)	latin1_swedish_ci		Yes	NULL		
6	<b>mobileNumber</b>	bigint(12)			Yes	NULL		
7	<b>washDate</b>	date			Yes	NULL		
8	<b>washTime</b>	time			Yes	NULL		
9	<b>message</b>	mediumtext	latin1_swedish_ci		Yes	NULL		
10	<b>status</b>	varchar(120)	latin1_swedish_ci		Yes	NULL		
11	<b>adminRemark</b>	mediumtext	latin1_swedish_ci		Yes	NULL		
12	<b>paymentMode</b>	varchar(120)	latin1_swedish_ci		Yes	NULL		
13	<b>txnNumber</b>	varchar(120)	latin1_swedish_ci		Yes	NULL		
14	<b>postingDate</b>	timestamp			Yes	current_timestamp()		
15	<b>lastUpdationDate</b>	timestamp			Yes	NULL		ON UPDATE CURRENT_TIMESTAMP()

**tblpage:** This table use to store pages info details.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	<b>id</b> 	int(11)			No	None		AUTO_INCREMENT
2	<b>type</b>	varchar(255)	latin1_swedish_ci		Yes			
3	<b>detail</b>	longtext	latin1_swedish_ci		Yes	NULL		
4	<b>openignHrs</b>	varchar(255)	latin1_swedish_ci		Yes	NULL		
5	<b>phoneNumber</b>	bigint(20)			Yes	NULL		
6	<b>emailId</b>	varchar(120)	latin1_swedish_ci		Yes	NULL		

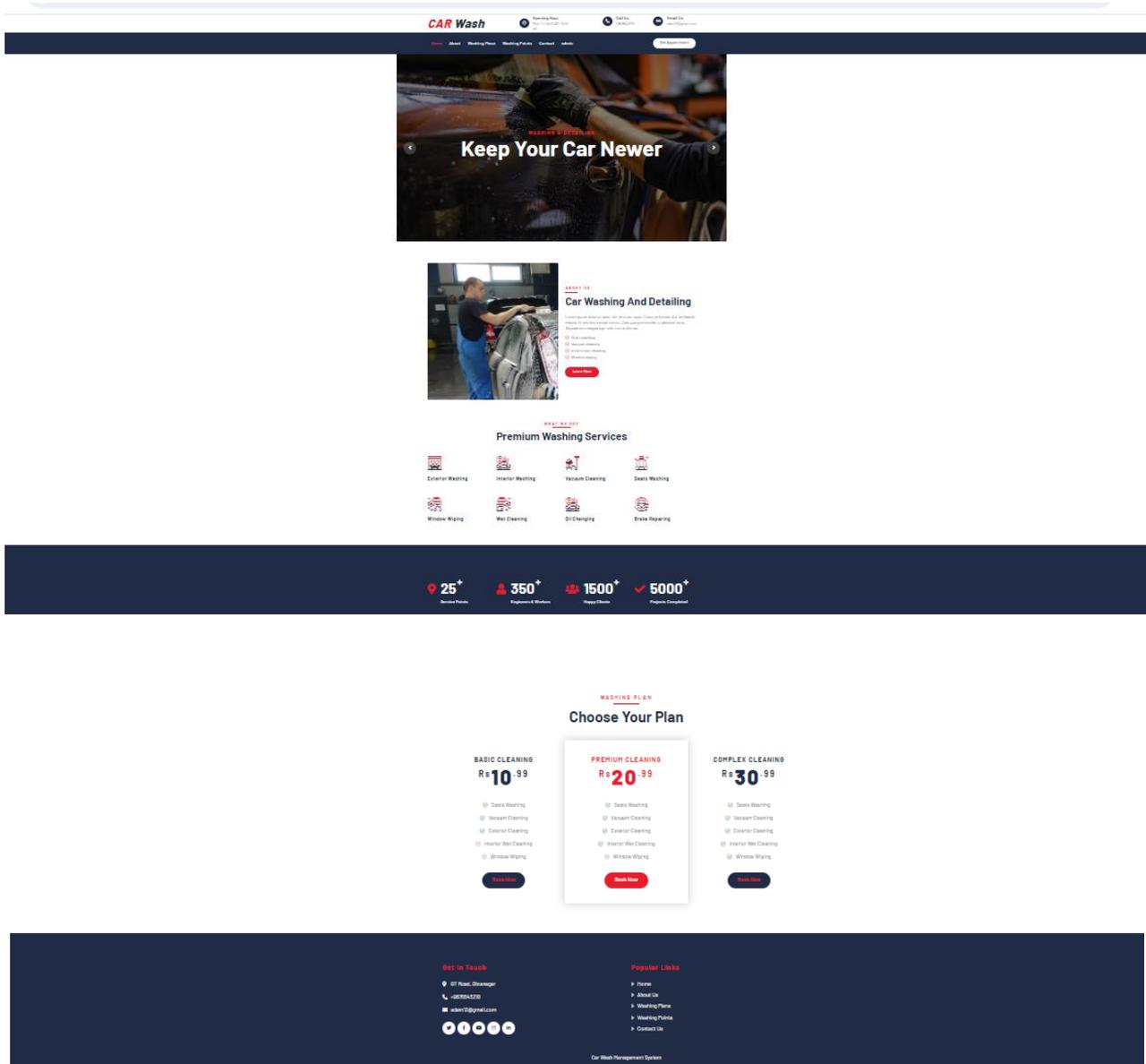
## Class Diagram / Schema:

The class diagram shows a set of classes, interfaces, collaborations and their relationships.



# 7. Output Screen of Project

## Home Page



# About Us

**CAR Wash**

Opening Hours  
Mon - Fri: 9:00am - 5:00pm

Call Us  
0875342210

Email Us  
info@carwash.com

[Home](#) [About](#) [Washing Plans](#) [Washing Packages](#) [Contact](#) [adsite](#)

[Get Appointment](#)

## About Us

[Home](#) / [About Us](#)



### ABOUT US

#### Car Washing And Detailing

- ⊗ Steam washing
- ⊗ Vacuum cleaning
- ⊗ Interior and exterior cleaning
- ⊗ Wheelie washing

#### Get In Touch

- 📍 07 Road, Chicago
- 📞 0875342210
- ✉ info@carwash.com



#### Popular Links

- Home
- About Us
- Washing Plans
- Washing Packages
- Contact Us

Car Wash Management System

# Washing Points(Locations)

**CAR Wash**

🕒 **Opening Hour**  
Mon - Fri: 8:00 AM - 5:00 PM

📞 **Call Us**  
+91 98765 43210

✉️ **Send Us**  
info@carwash.com

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[Get Appointment](#)

## Washing Points

[Home](#) / [Location](#)

### WASHING POINTS

#### Car Washing & Care Points

📍 **XYZ Car Washing Point**  
Changan, Green Road, A  
Call: 98765 43210

📍 **ABC Car Washing Point**  
Northside, D Road  
Call: 87654 32109

📍 **XYZ Car washing Point**  
Southside Road, Parkside  
Call: 98765 43210

#### Get In Touch

📍 123 Road, Bangalore

📞 +91 98765 43210

✉️ info@carwash.com



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[Washing Plans](#)

[Washing Points](#)

[Contact Us](#)

Car Wash Management System

# Washing Plans

**CAR Wash**

Opening Hour  
Mon - Fri: 8:00 AM - 5:00 PM

Call Us  
087554232

Email Us  
carwash@gmail.com

[Home](#) [About](#) [Washing Plans](#) [Washing Points](#) [Contact](#) [Admin](#)

[Get Appointment](#)

## Washing Plan

[Home](#) / [Price](#)

WASHING PLAN

### Choose Your Plan

BASIC CLEANING  
R **10.99**

- Exterior Washing
- Vacuum Cleaning
- Exterior Cleaning
- Interior Wax Cleaning
- Window Wiping

[Book Now](#)

PREMIUM CLEANING  
R **20.99**

- Exterior Washing
- Vacuum Cleaning
- Exterior Cleaning
- Interior Wax Cleaning
- Window Wiping

[Book Now](#)

COMPLEX CLEANING  
R **30.99**

- Exterior Washing
- Vacuum Cleaning
- Exterior Cleaning
- Interior Wax Cleaning
- Window Wiping

[Book Now](#)

#### Get In Touch

📍 Plot, Dharampur  
📞 087554232  
✉️ carwash@gmail.com



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[About Us](#)  
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[Washing Points](#)  
[Contact Us](#)

Car Wash Management System

# Contact Us

**CAR Wash**

Opening Hour  
Mon - Fri 8:00 AM - 5:00 PM

Call Us  
+876543210

Email Us  
info@carwash.com

[Home](#) [About](#) [Washing Plans](#) [Washing Points](#) [Contact](#) [Mobile](#)

[Get Appointment](#)

## Contact Us

[Home](#) / [Contact](#)

GET IN TOUCH

### Contact For Any Query

#### Quick Contact Info

**Address**  
47 Road, Orange

**Opening Hour**  
Mon - Fri 8:00 AM - 5:00 PM

**Call Us**  
+876543210

**Email Us**  
info@carwash.com

[Send Message](#)

#### Get In Touch

[47 Road, Orange](#)

[+876543210](#)

[info@carwash.com](#)



#### Popular Links

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Car Wash Management System

## Booking

The screenshot shows a mobile website for 'CAR Wash' with a booking form overlay. The website header includes 'Opening Hour', 'Call Us 34567890', and 'Email Us info@example.com'. The navigation menu has 'Home', 'About', and 'Washing Plans'. A 'Get Appointment' button is visible in the background. The 'Car Wash Booking' form contains the following fields:

- Package Type (dropdown menu)
- Select Washing Point (dropdown menu)
- Full Name (text input)
- Mobile No. (text input)
- Wash Date (calendar icon, format dd-mm-yyyy)
- Wash Time (clock icon, format --:--)
- Message if any (text area)
- Book Now (red button)

## Admin Login Page

The Admin Login page features a blue background with the following elements:

- Sign In (text)
- Username: (text input)
- Password: (text input)
- Sign In (button)
- [Back to home](#) (text link)

# Dashboard

**CAR WASH MANAGEMENT SYSTEM**

Welcome Administrator

Home >

Total Bookings	New Bookings	Completed Bookings	Enquiries
3	0	3	3

Washing Points

3

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# Change Password

**CAR WASH MANAGEMENT SYSTEM**

Welcome Administrator

Home > Change Password

Current Password

New Password

Confirm Password

**SUBMIT** **RESET**

## Add Washing Points

**CAR WASH MANAGEMENT SYSTEM**

Welcome Administrator

Home > Add Washing Point

### Add Washing Point

Car Wash Point Name

Adress

Contact Number

**ADD** **RESET**

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## Manage Washing Points

**CAR WASH MANAGEMENT SYSTEM**

Welcome Administrator

Home > Manage Car Washing Points

### Manage Car Washing Points

#	WASHING POINT NAME	ADDRESS	CONTACT NUMBER	CREATION DATE	ACTION
1	XYZ Car Washing Point	Dinanagar, Street No. 4	9087654543	2024-04-13 21:51:20	<a href="#">Edit</a>   <a href="#">Delete</a>
2	ABC Car Washing Point	Gurdaspur, Gt Road	98745463210	2024-04-12 21:52:38	<a href="#">Edit</a>   <a href="#">Delete</a>
3	Matrix Car washing Point	Dalhousie Road, Pathankot	8097432165	2024-04-14 21:54:28	<a href="#">Edit</a>   <a href="#">Delete</a>

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# Update Washing Points

Dashboard

Washing Points

Add Car Wash Booking

Car Washing Booking

Manage Enquiries

Pages

## CAR WASH MANAGEMENT SYSTEM

Welcome Administrator

Home > Edit Washing Point

### Edit Washing Point

Car Wash Point Name	<input type="text" value="XYZ Car Washing Point"/>
Adress	<input type="text" value="Dinanagar, Street No. 4"/>
Contact Number	<input type="text" value="9087654543"/>

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# Add Car Washing Booking

Dashboard

Washing Points

Add Car Wash Booking

Car Washing Booking

Manage Enquiries

Pages

## CAR WASH MANAGEMENT SYSTEM

Welcome Administrator

Home > Add Car Washing Booking

### Add Car Washing Booking

Package Type	<input type="text" value="PACKAGE TYPE"/>
Washing Point	<input type="text" value="SELECT WASHING POINT"/>
Full Name	<input type="text" value="Full Name"/>
Mobile No	<input type="text" value="Mobile No."/>
Wash Date	<input type="text" value="dd-mm-yyyy"/>
Wash Time	<input type="text" value="--"/>
Message (if any)	<input type="text" value="Message if any"/>

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# New Booking

**CAR WASH MANAGEMENT SYSTEM**

Welcome Administrator

Home > Manage New Bookings

### New Bookings

BOOKING NO.	NAME	PACAKGE TYPE	WASHING POINT	WASHING DATE/TIME	POSTING DATE	ACTION
847975147	shelly	BASIC CLEANING (Rs 10.99)	ABC Car Washing Point Gurdaspur, Gt Road	2024-04-14/11:00:00	2024-04-12 14:32:31	<a href="#">View</a>

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# View New Booking

**CAR W**

Welcome Administrator

Home > Manage New Book

### Bookings De

BOOKING ID#	2024-04-12 14:32:31		
NAME	8976540432		
PACKAGE TYPE	BASIC CLEANING (Rs10.99)	WASHING POINT	ABC Car Washing Point Gurdaspur, Gt Road
WASHING DATE	2024-04-14	WASHING TIME	11:00:00
MESSAGE (IF ANY)	good		
STATUS	New		

TAKE ACTION

#### Update Booking #847975147

TRANSACTION TYPE

Transaction Number (if any)

Admin Remark

UPDATE

CLOSE

# Completed Booking

Dashboard

Washing Points

Add Car Wash Booking

Car Washing Booking

Manage Enquiries

Pages

## CAR WASH MANAGEMENT SYSTEM

Welcome Administrator

Home > Manage Completed Bookings

### Completed Bookings

BOOKING NO.	NAME	PACKAGE TYPE	WASHING POINT	WASHING DATE/TIME	POSTING DATE	ACTION
167028111	Riya	PREMIUM CLEANING (Rs 20.99)	Matrix Car washing Point Dalhousie Road, Pathankot	2024-03-21/11:30:00	2024-03-20 11:04:06	<a href="#">View</a>
690831052	MANAV	BASIC CLEANING (Rs 10.99)	XYZ Car Washing Point Dinanagar, Street No. 4	2024-03-21/05:00:00	2024-03-20 12:11:25	<a href="#">View</a>
111240219	sakshi	PREMIUM CLEANING (Rs 20.99)	Matrix Car washing Point Dalhousie Road, Pathankot	2024-04-12/12:30:00	2024-04-10 09:16:42	<a href="#">View</a>

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# View Completed Booking

Dashboard

Washing Points

Add Car Wash Booking

Car Washing Booking

Manage Enquiries

Pages

## CAR WASH MANAGEMENT SYSTEM

Welcome Administrator

Home > Manage New Bookings

### Bookings Details #690831052

BOOKING ID#	690831052	POSTING DATE	2024-03-20 12:11:25
NAME	MANAV	MOBILE NO	9815122441
PACKAGE TYPE	BASIC CLEANING (Rs10.99)	WASHING POINT	XYZ Car Washing Point Dinanagar, Street No. 4
WASHING DATE	2024-03-21	WASHING TIME	05:00:00
MESSAGE (IF ANY)	OK		
STATUS	Completed		
<b>Admin Details</b>			
TRANSACTION TYPE	e-Wallet	TRANSACTION NO.(IF ANY)	12333
ADMIN REMARK	YES		

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# All Booking

Dashboard

Washing Points

Add Car Wash Booking

Car Washing Booking

Manage Enquiries

Pages

## CAR WASH MANAGEMENT SYSTEM

Welcome Administrator

Home > Manage All Bookings

### All Bookings

BOOKING NO.	NAME	PACAKGE TYPE	WASHING POINT	WASHING DATE/TIME	POSTING DATE	ACTION
167028111	Riya	PREMIUM CLEANING (Rs 20.99)	Matrix Car washing Point Dalhousie Road, Pathankot	2024-03-21/11:30:00	2024-03-20 11:04:06	<a href="#">View</a>
690831052	MANAV	BASIC CLEANING (Rs 10.99)	XYZ Car Washing Point Dinanagar, Street No. 4	2024-03-21/05:00:00	2024-03-20 12:11:25	<a href="#">View</a>
111240219	sakshi	PREMIUM CLEANING (Rs 20.99)	Matrix Car washing Point Dalhousie Road, Pathankot	2024-04-12/12:30:00	2024-04-10 09:16:42	<a href="#">View</a>
847975147	shelly	BASIC CLEANING (Rs 10.99)	ABC Car Washing Point Gurdaspur, Gt. Road	2024-04-14/11:00:00	2024-04-12 14:32:31	<a href="#">View</a>

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# Manage Enquiry

Dashboard

Washing Points

Add Car Wash Booking

Car Washing Booking

Manage Enquiries

Pages

## CAR WASH MANAGEMENT SYSTEM

Welcome Administrator

Home > Manage Enquiries

### Manage Enquiries

TICKET ID	NAME	EMAIL	SUBJECT	DESCRIPTION	POSTING DATE	ACTION
#TKCT-4	Anuj kumar	anuj@gmail.com	General Enquiry	I want to know the price of car wash	2021-12-13 23:57:53	<a href="#">Read</a>
#TKCT-5	Amit	amit@gmail.com	Test	Test	2021-12-15 00:44:22	<a href="#">Read</a>
#TKCT-6	SHELLY	Shelly@gmail.com	ENQUIRY ABOUT WASHING	OK	2024-03-20 12:16:02	<a href="#">Read</a>

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# Update Page Data

Dashboard

Washing Points

Add Car Wash Booking

Car Washing Booking

Manage Enquiries

Pages

CAR WASH MANAGEMENT SYSTEM

Welcome Administrator

Home > Update Page Data

## Update Page Data

Select page: \*\*\*SELECT ONE\*\*\*

Selected Page:

Package Details:

UPDATE

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# Update Contact Us Information

Dashboard

Washing Points

Add Car Wash Booking

Car Washing Booking

Manage Enquiries

Pages

CAR WASH MANAGEMENT SYSTEM

Welcome Administrator

Home > Contact us information

## Update Contact Information

Address:

Opening Hours:

Email Id:

Contact Number:

UPDATE

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## 8. Conclusion

The project titled as “**Car Washing Management System**” was deeply studied and analyzed to design the code and implement. It was done under the guidance of the experienced project guide. All the current requirements and possibilities have been taken care during the project time.

**Car Washing Management System** is used for maintain the car washing bookingsystems. This web application will help to perform car washing results in high quality endproduct. Thus it will be User-friendly and capable to wash multiple cars at a time.

## 9.

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For MySQL

<https://www.mysql.com/>

<http://www.mysqltutorial.org>

For XAMPP

<https://www.apachefriends.org/download.html>

**Project Report**  
**On**  
**COVID19 TESTING MANAGEMENT SYSTEM**

Submitted in partial fulfillment of the requirements for the award of degree of

**M.Sc (INFORMATION TECHNOLOGY)**

**TO**

**SHANTI DEVI ARYA MAHILA COLLEGE**

**DINANAGAR**



**Submitted To:-**

**Mrs. Priyanka Gupta**

**Assistant Professor**

**Post Graduate Deptt. Of Computer Science & IT**

**Submitted By:**

**Apurva Thakur**

**(20862225412)**

**Palvi**

**(20862225417)**

**POST GRADUATE DEPARTMENT OF COMPUTER Sc. & IT**  
**GURU NANAK DEV UNIVERSITY, AMRITSAR**

## **ACKNOWLEDGEMENT**

With deep sense of gratitude we express our sincere thanks and obligation to our esteemed guide Mrs. Priyanka Gupta (Assistant Professor). It is because of her able and mature guidance and co-operation without which it would not have been possible for us to complete our project.

We would also like to thank Dr. Deepak Jyoti, HOD, Post Graduate Deptt. of Comp Sc. & IT, Shanti Devi Arya Mahila College, Dinanagar for providing the institute with an environment where one can use her intellect and creativity to develop something fruitful and also for allowing us the opportunity to experience dynamic professional environment during our Training. This environment facilitated us in pursuing this project.

It is our pleasant duty to thank all the staff members of the Computer Department for their time to time suggestions.

Finally, we would like to thank the almighty and our parents for their moral support and our friends with whom we shared our day-to-day experience and received lots of suggestions that improved our quality of work.

**Apurva Thakur**

**20862225412**

**Palvi**

**20862225417**

## **CERTIFICATE OF APPROVAL**

This is certify that the project report entitled **COVID19 TESTING MANAGEMENT SYSTEM** submitted to Shanti Devi Arya Mahila College, Dinanagar in partial fulfillment of the requirement for the award of degree of M.Sc (Information Technology) , is an authentic and original work carried out by Apurva Thakur (20862225412) Palvi (20862225417) under my guidance and supervision. The Post Graduate deptt. of Comp Sc. & IT has accepted the report as the fulfillment of the requirements for the degree of Master of Information Technology. No part of this report has been submitted to any other College/University for the reward of any Degree to the best of my knowledge.

**Mrs. Priyanka Gupta**

**Assistant Professor (Comp Sc.)**

**(Project Supervisor)**

**Shanti Devi Arya Mahila College**

**Dinanagar**

**Dr. Deepak Jyoti**

**Head, PG Department of Comp Sc. & IT**

**Shanti Devi Arya Mahila College**

**Dinanagar**

## **DECLARATION**

We hereby declare that this project report on “COVID19 TESSTING MANAGEMENT SYSTEM” which is being submitted in partial fulfillment of the Training Programme of M.Sc (Information Technology) to Shanti Devi Arya Mahila College, Dinanagar, is the result of the work carried out by us, under the guidance of Mrs. Priyanka Gupta (Assistant Professor). Shanti Devi Arya Mahila College, Dinanagar

**Apurva Thakur**

**20862225412**

**Palvi**

**20862225417**

## **Abstract**

The system is an online COVID19 lab manager application that brings up various COVID19 test working online. Using this system, it will help us to records all transaction made at the daily tests; recognize all customers, employees, etc. It will manage all activities around the COVID19 lab that increases productivity and maximize profit, it will also minimizing the risk of getting loss because all transactions are recorded to the system.

## **Introduction**

COVID19 Testing Management System is web based technology which brings up various diagnosis works online. Here patients are first allowed to register on the website and provide personal, test information. Once registered with their address and contact details, the patients may now see a variety of tests conducted by the lab. The patient will select the required test and book appointment after that lab center send a lab boy at registered address to collect a sample. After successful sample collection patient can track their test history using the name, order and registered mobile number. The system allows admin to attach a copy of the report into the system and automatically shown on user side so user can downloads report.

In COVID19 Testing Management System we use PHP and MySQL database. It has three modules i.e.

1. Admin
2. User (Patient)

## Admin Module

Admin is the super user of the website who can manage everything on the website. Admin can log in through the login page

- **Dashboard:** In this section, the admin can see all detail in brief like the total, assigned and the sample collected and completed tests.
- **Phlebotomist:** In this section, the admin can manage Phlebotomist (add, update, delete).
- **Testing:** In this section, the admin can manage all the tests like assign the test to Phlebotomist and update the history.
- **Report:** In this section, the admin can generate two types of report. One is between dates reports and another one is by search. Admin can search the report by order number, name and mobile number.
- **Notification:** In this section, the admin will get a notification for every new test request (notification bell).
- Admin can also update his profile, change the password and recover the password.

## User (Patient) Module

- User can visit the application through a URL.
- **Testing:** This section divided into two parts. One is for new user and another one is for registered user. New user (First-time user) needs to provide personal and testing Information. A registered user only needs to provide test information; their personal information will be fetched from the database.
- **Report:** In this section, Users can search their test report using order number, name and registered mobile number.
- **Dashboard:** In this section, the User can see the in which State of how many tests are done.

## **Purpose**

The main purpose of COVID19 Testing management system to provide a platform where patients can book the test online and get their COVID19 test done at home. With the help of this project we are bringing the use of technology in the field of medical diagnosis where patients can avail all the diagnosis facilities at their door steps. Another purpose for developing this application is to generate the report automatically.

## **Scope**

Today also we have to go to the COVID19 Test Lab center, wait in the queue to get our COVID19 test done. As Technology is growing rapidly we are also moving to a technical world where everything we want to be online. So with the help of this project we are bringing the use of technology in the field of medical diagnosis where patients can avail all the diagnosis facilities at their door steps. This project makes the diagnosis process easy and reduces the burden of patients. At a same time its help the diagnostic center to track all their patients details with their test reports. This access friendly software provides quick and effective services which helps the diagnostic center to increase their sales and profit.

### **Advantages:**

- The system allows automate diagnosis system.
- Allows for faster service.

- Allows increased sales and profits for diagnostic labs.
- Easy, user friendly GUI.
- Validation of data will be ensure only accurate valid and complete data stored in the database.
- Easy retrieval or data will be made possible by finding techniques.
- Report generation will help made it easy to analyze the performance.

**Disadvantages:**

- It reduces employment as the human efforts are being automated by this system.

## **Requirement Specification**

**Hardware Configuration:**

**Client Side:**

<b>RAM</b>	512 MB
<b>Hard disk</b>	10 GB
<b>Processor</b>	1.0 GHz

**Server side:**

<b>RAM</b>	<b>1 GB</b>
------------	-------------

<b>Hard disk</b>	<b>20 GB</b>
<b>Processor</b>	<b>2.0 GHz</b>

**Software Requirement:**

**Client Side:**

<b>Web Browser</b>	Google Chrome or any compatible browser
<b>Operating System</b>	Windows or any equivalent OS

**Server Side:**

<b>Web Server</b>	APACHE
<b>Server side Language</b>	PHP5.6 or above version
<b>Database Server</b>	MYSQL
<b>Web Browser</b>	Google Chrome or any compatible browser
<b>Operating System</b>	Windows or any equivalent OS

**APACHE**

The Apache HTTP Server Project is an effort to develop and maintain an open-source HTTP server for modern operating systems including UNIX and Windows. The goal of this project is to provide a secure, efficient and extensible server that provides HTTP services in sync with the current HTTP standards.

The Apache HTTP Server ("httpd") was launched in 1995 and it has been the most popular web server on the Internet since April 1996. It has celebrated its 20th birthday as a project in February 2015.

## **PHP**

- PHP stands for PHP: Hypertext Preprocessor.
- PHP is a server-side scripting language, like ASP.
- PHP scripts are executed on the server.
- PHP supports many databases (MYSQL, Informix, Oracle, Sybase, Solid, Generic ODBC, etc.).
- PHP is an open source software.
- PHP is free to download and use.

## **MYSQL**

- MYSQL is a database server

- MYSQL is ideal for both small and large applications
- MYSQL supports standard SQL
- MYSQL compiles on a number of platforms
- MYSQL is free to download and use
- How to access MySQL:
- <http://localhost/phpmyadmin>

## **Analysis and Design**

### **Analysis:**

Today also we have to go to the diagnostic center, wait in the queue to get our COVID19 test done. As Technology is growing rapidly we are also moving to a technical world where everything we want to be online. So with the help of this project we are bringing the use of technology in the field of medical diagnosis where patients can avail all the diagnosis facilities at their door steps. This project makes the diagnosis process easy and reduces the burden of patients. At a same

time its help the diagnostic center to track all their patients details with their test reports.

### **Disadvantage of present system:**

- **Not user friendly:** The present system not user friendly because data is not stored in structure and proper format.
- **Manual Control:** All report calculation is done manually so there is a chance of error.
- **Lots of paper work:** Visitors maintain in the register so lots of paper require storing details.
- **Time consuming**

### **Design Introduction:**

Design is the first step in the development phase for any techniques and principles for the purpose of defining a device, a process or system in sufficient detail to permit its physical realization. Once the software requirements have been analyzed and specified the software design involves three technical activities - design, coding, implementation and testing that are required to build and verify the software.

The design activities are of main importance in this phase, because in this activity, decisions ultimately affecting the success of the software implementation and its ease of maintenance are made. These decisions have the final bearing upon reliability and maintainability of the system. Design is the only way to accurately translate the customer's requirements into finished software or a system.

Design is the place where quality is fostered in development. Software design is a process through which requirements are translated into a representation of software. Software design is conducted in two steps. Preliminary design is concerned with the transformation of requirements into data

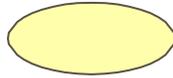
### UML Diagrams:

Actor:

A coherent set of roles that users of use cases play when interacting with the use `cases.



Use case: A description of sequence of actions, including variants, that a system performs that yields an observable result of value of an actor.



UML stands for Unified Modeling Language. UML is a language for specifying, visualizing and documenting the system. This is the step while developing any product after analysis. The goal from this is to produce a model of the entities involved in the project which later need to be built. The representation of the entities that are to be used in the product being developed need to be designed.

### **USECASE DIAGRAMS:**

Use case diagrams model behavior within a system and helps the developers understand of what the user require. The stick man represents what's called an actor.

Use case diagram can be useful for getting an overall view of the system and clarifying that can do and more importantly what they can't do.

Use case diagram consists of use cases and actors and shows the interaction between the use case and actors.

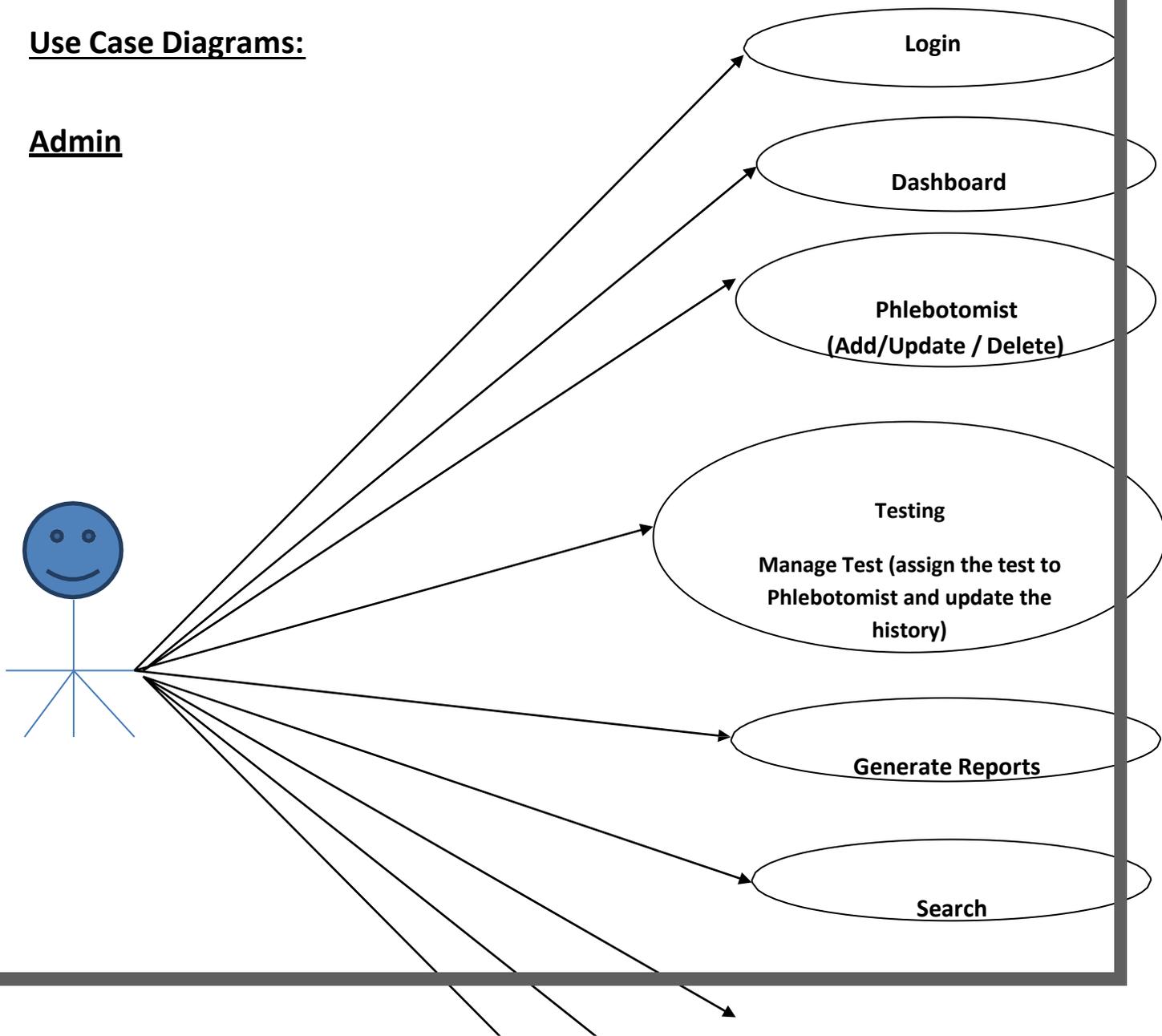
- The purpose is to show the interactions between the use case and actor.
- To represent the system requirements from user's perspective.

- An actor could be the end-user of the system or an external system.

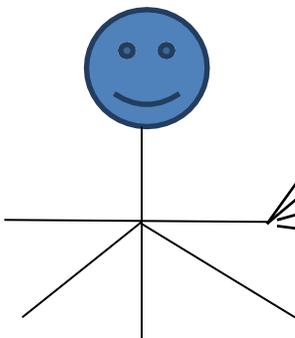
**USECASE DIAGRAM:** A Use case is a description of set of sequence of actions. Graphically it is rendered as an ellipse with solid line including only its name. Use case diagram is a behavioral diagram that shows a set of use cases and actors and their relationship. It is an association between the use cases and actors. An actor represents a real-world object. Primary Actor – Sender, Secondary Actor Receiver.

**Use Case Diagrams:**

**Admin**



**Users (Patient)**



**Update Profile**

**Change Password**

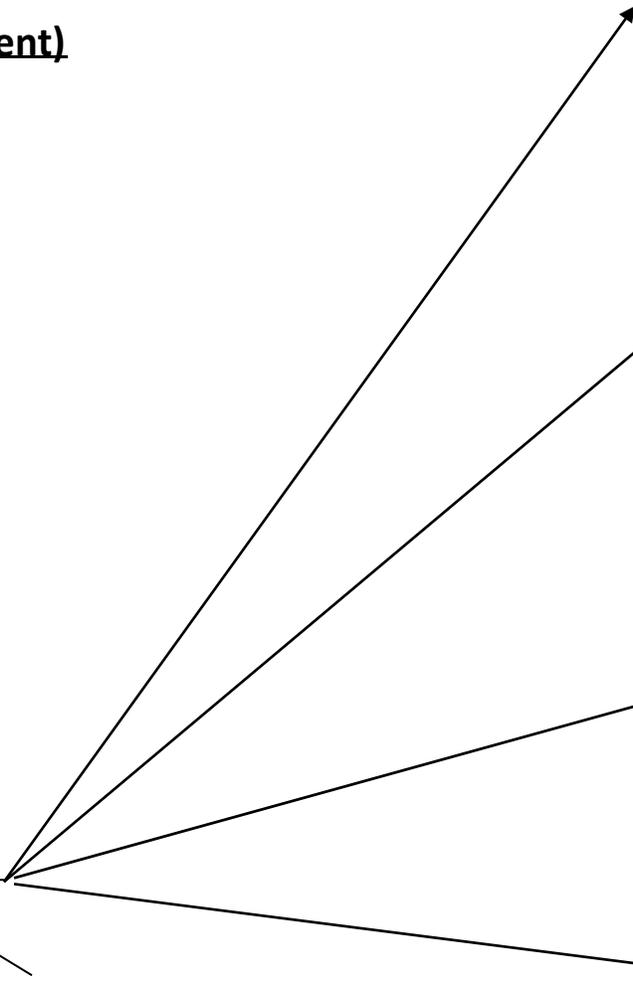
**Password Recovery**

**Visit COVID19 TMS**

**Book Test for COVID 19**

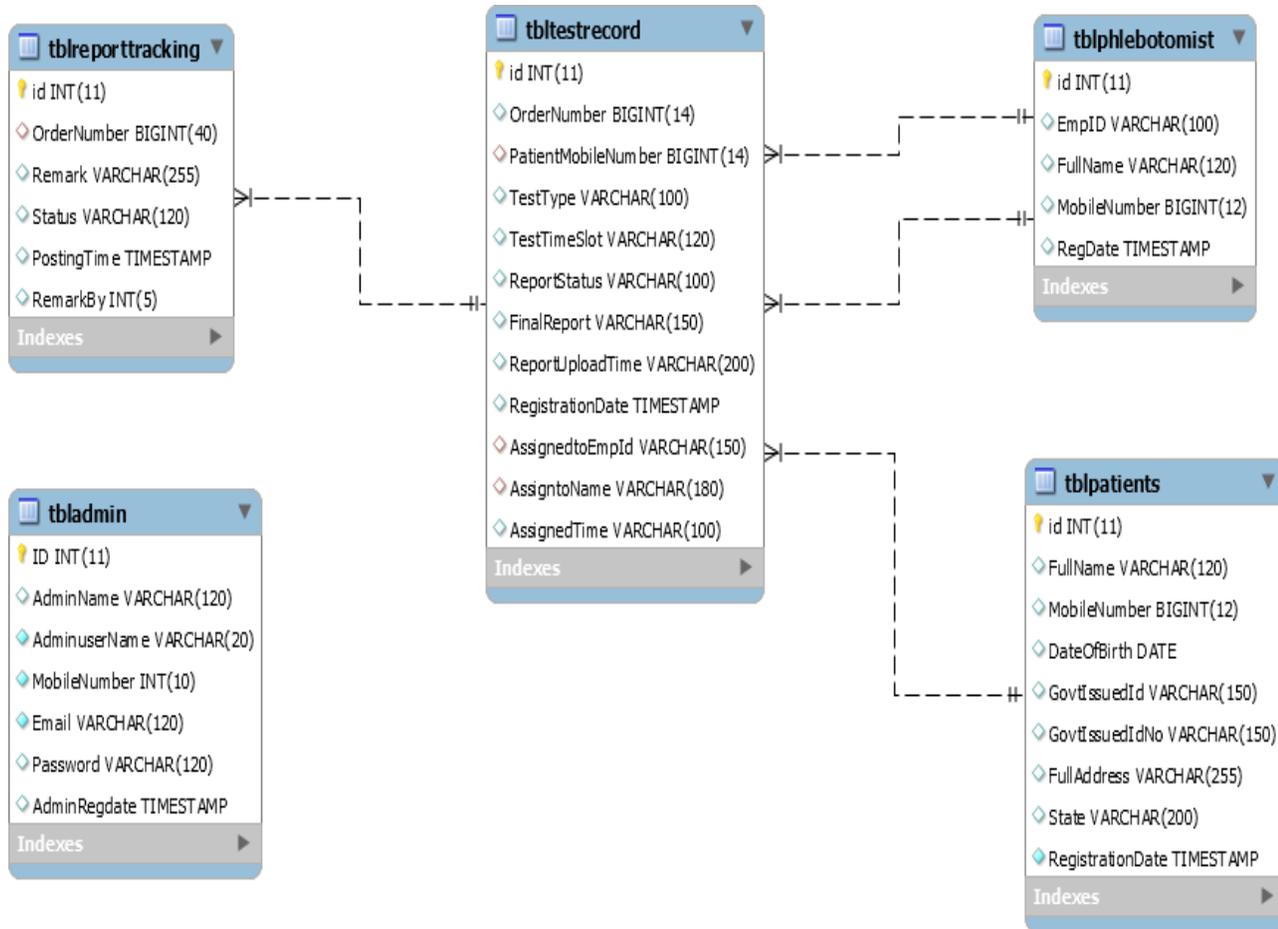
**View Test History**

**Dashboard  
(State-wise Test Count)**



**Class Diagram:**

A description of set of objects that share the same attributes operations, relationships, and semantics



### ER Diagram:

The Entity-Relationship (ER) model was originally proposed by Peter in 1976 [Chen76] as a way to unify the network and relational database views. Simply stated the ER model is a conceptual data model that views the real world as entities and relationships. A basic component of

the model is the Entity-Relationship diagram which is used to visually represent data objects. Since Chen wrote his paper the model has been extended and today it is commonly used for database design for the database designer, the utility of the ER model is:

- It maps well to the relational model. The constructs used in the ER model can easily be transformed into relational tables.
- It is simple and easy to understand with a minimum of training. Therefore, the model can be used by the database designer to communicate the design to the end user.
- In addition, the model can be used as a design plan by the database developer to implement a data model in specific database management software.

### **ER Notation**

There is no standard for representing data objects in ER diagrams. Each modeling methodology uses its own notation. The original notation used by Chen is widely used in academics texts and journals but rarely seen in either CASE tools or publications by non-academics. Today, there are a number of notations used; among the more common are Bachman, crow's foot, and IDEFIX.

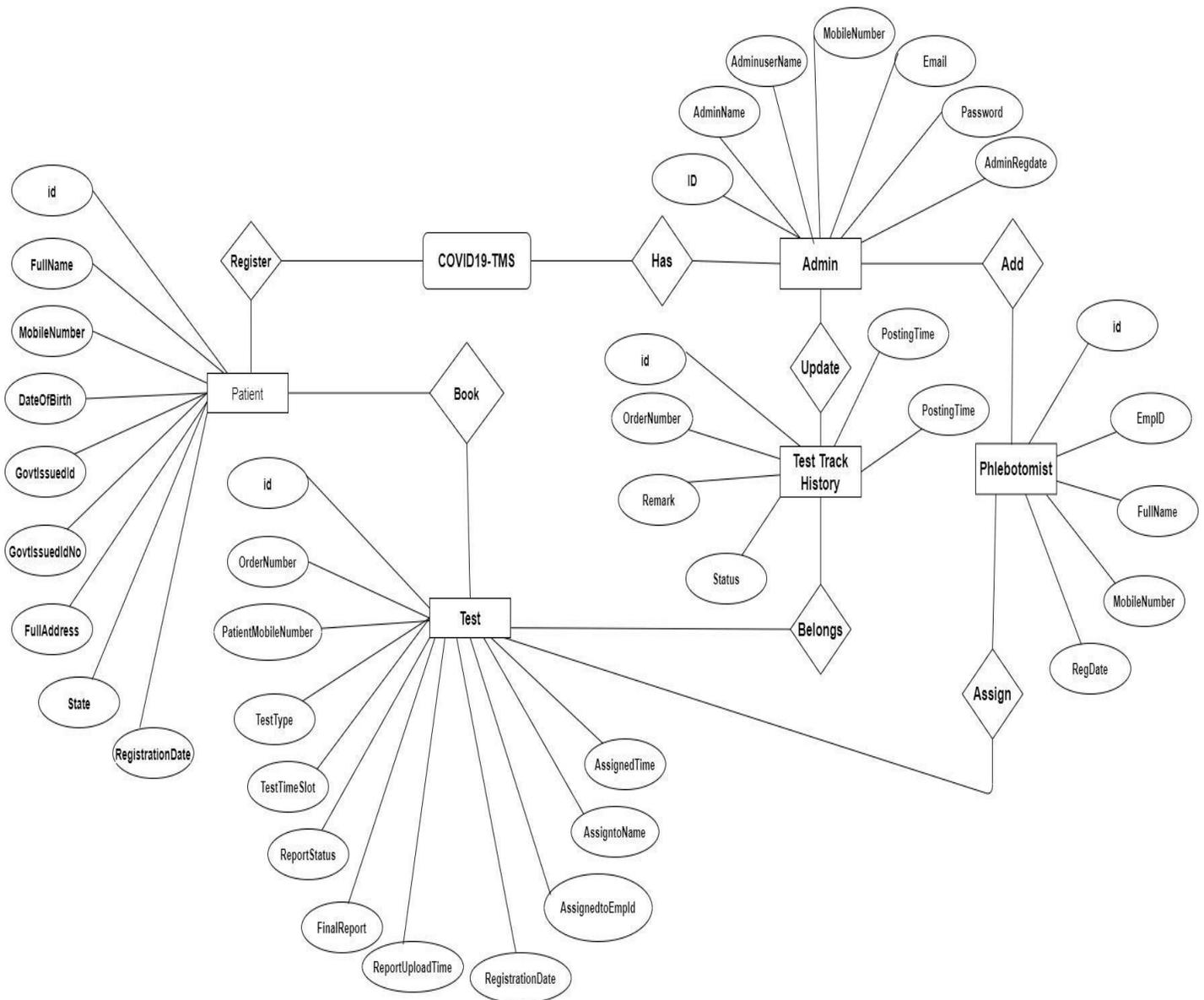
All notational styles represent entities as rectangular boxes and relationships as lines connecting boxes. Each style uses a special set of symbols to represent the cardinality of a connection. The notation used

in this document is from Martin. The symbols used for the basic ER constructs are:

- **Entities** are represented by labeled rectangles. The label is the name of the entity. Entity names should be singular nouns.
- **Relationships** are represented by a solid line connecting two entities. The name of the relationship is written above the line. Relationship names should be verbs
- **Attributes**, when included, are listed inside the entity rectangle. Attributes which are identifiers are underlined. Attribute names should be singular nouns.
- **Cardinality** of many is represented by a line ending in a crow's foot. If the crow's foot is omitted, the cardinality is one.

**Existence** is represented by placing a circle or a perpendicular bar on the line. Mandatory existence is shown by the bar (looks like a 1) next to the entity for an instance is required. Optional existence is shown by placing a circle next to the entity that is optional.

## ER Diagram



## MySQL Data Tables

**Admin Table:**(Table name is tbladmin)

This store admin personal and login details.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	<b>ID</b> 🔑	int(11)			No	None		AUTO_INCREMENT
2	<b>AdminName</b>	varchar(120)	latin1_swedish_ci		Yes	NULL		
3	<b>AdminuserName</b>	varchar(20)	latin1_swedish_ci		No	None		
4	<b>MobileNumber</b>	int(10)			No	None		
5	<b>Email</b>	varchar(120)	latin1_swedish_ci		No	None		
6	<b>Password</b>	varchar(120)	latin1_swedish_ci		Yes	NULL		
7	<b>AdminRegdate</b>	timestamp			Yes	current_timestamp()		

#### Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	ID	0	A	No	

## tblpatients

This table store the data of patient personal Information.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	<b>id</b> 🔑	int(11)			No	None		AUTO_INCREMENT
2	<b>FullName</b>	varchar(120)	latin1_swedish_ci		Yes	NULL		
3	<b>MobileNumber</b> 🔑	bigint(12)			Yes	NULL		
4	<b>DateOfBirth</b>	date			Yes	NULL		
5	<b>GovtIssuedId</b>	varchar(150)	latin1_swedish_ci		Yes	NULL		
6	<b>GovtIssuedIdNo</b>	varchar(150)	latin1_swedish_ci		Yes	NULL		
7	<b>FullAddress</b>	varchar(255)	latin1_swedish_ci		Yes	NULL		
8	<b>State</b>	varchar(200)	latin1_swedish_ci		Yes	NULL		
9	<b>RegistrationDate</b>	timestamp			No	current_timestamp()		

#### Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	id	5	A	No	
MobileNumber	BTREE	No	No	MobileNumber	5	A	Yes	

## tbltestrecord

This table stores the patient test record details.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	<b>id</b> 🔑	int(11)			No	None		AUTO_INCREMENT
2	<b>OrderNumber</b> 🔑	bigint(14)			Yes	NULL		
3	<b>PatientMobileNumber</b>	bigint(14)			Yes	NULL		
4	<b>TestType</b>	varchar(100)	latin1_swedish_ci		Yes	NULL		
5	<b>TestTimeSlot</b>	varchar(120)	latin1_swedish_ci		Yes	NULL		
6	<b>ReportStatus</b>	varchar(100)	latin1_swedish_ci		Yes	NULL		
7	<b>FinalReport</b>	varchar(150)	latin1_swedish_ci		Yes	NULL		
8	<b>ReportUploadTime</b>	varchar(200)	latin1_swedish_ci		Yes	NULL		
9	<b>RegistrationDate</b>	timestamp			Yes	current_timestamp()		
10	<b>AssignedtoEmpld</b>	varchar(150)	latin1_swedish_ci		Yes	NULL		
11	<b>AssigntoName</b>	varchar(180)	latin1_swedish_ci		Yes	NULL		
12	<b>AssignedTime</b>	varchar(100)	latin1_swedish_ci		Yes	NULL		

#### Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	id	6	A	No	
OrderNumber	BTREE	No	No	OrderNumber	6	A	Yes	

## tblreporttracking

This table stores the tracking details of tests.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	<b>id</b> 🔑	int(11)			No	None		AUTO_INCREMENT
2	<b>OrderNumber</b>	bigint(40)			Yes	NULL		
3	<b>Remark</b>	varchar(255)	latin1_swedish_ci		Yes	NULL		
4	<b>Status</b>	varchar(120)	latin1_swedish_ci		Yes	NULL		
5	<b>PostingTime</b>	timestamp			Yes	current_timestamp()		
6	<b>RemarkBy</b>	int(5)			Yes	NULL		

#### Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	id	12	A	No	

## tblphlebotomist

This table stores the phlebotomist information.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	<b>id</b> 🔑	int(11)			No	<i>None</i>		AUTO_INCREMENT
2	<b>EmpID</b> 🔑	varchar(100)	latin1_swedish_ci		Yes	<i>NULL</i>		
3	<b>FullName</b> 🔑	varchar(120)	latin1_swedish_ci		Yes	<i>NULL</i>		
4	<b>MobileNumber</b>	bigint(12)			Yes	<i>NULL</i>		
5	<b>RegDate</b>	timestamp			Yes	<i>current_timestamp()</i>		

#### Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
<b>PRIMARY</b>	BTREE	Yes	No	id	3	A	No	
<b>EmpID</b>	BTREE	No	No	EmpID	3	A	Yes	
<b>FullName</b>	BTREE	No	No	FullName	3	A	Yes	

## Implementation and System Testing

After all phase have been perfectly done, the system will be implemented to the server and the system can be used.

### **System Testing**

The goal of the system testing process was to determine all faults in our project .The program was subjected to a set of test inputs and many explanations were made and based on these explanations it will be decided whether the program behaves as expected or not. Our Project went through two levels of testing

1. Unit testing
2. Integration testing

### **UNIT TESTING**

Unit testing is commenced when a unit has been created and effectively reviewed .In order to test a single module we need to provide a complete environment i.e. besides the section we would require

- The procedures belonging to other units that the unit under test calls
- Non local data structures that module accesses

- A procedure to call the functions of the unit under test with appropriate parameters

## **1. Test for the admin module**

- **Testing admin login form**-This form is used for log in of administrator of the system. In this form we enter the username and password if both are correct administration page will open otherwise if any of data is wrong it will get redirected back to the login page and again ask the details.
- **Report Generation:** admin can generate report from the main database.

## **INTEGRATION TESTING**

In the Integration testing we test various combination of the project module by providing the input.

The primary objective is to test the module interfaces in order to confirm that no errors are occurring when one module invokes the other module.

## **Evaluation**

Project URL: <http://localhost/cvovid19-tms>

## Home Page

### COVID19-TMS

COVID19 - Testing Management System

33%

#### About this page

Coronavirus disease (COVID-19) is an infectious disease caused by a newly discovered coronavirus. Most people infected with the COVID-19 virus will experience mild to moderate respiratory illness & recover without requiring special treatment. Older people and those with underlying medical problem like cardiovascular disease.

The COVID-19 virus spread primarily through droplets of saliva or discharge from the nose when an infected person coughs or sneezes so it's important that you also practice respiratory etiquette.

#### Covid-19 Symptoms

##### High Fever 2-14 days

Reported illnesses have ranged from mild symptoms to severe illness and death.

##### Dry Cough 2-14 days

Reported illnesses have ranged from mild symptoms to severe illness and death.

##### Shortness of breath

Reported illnesses have ranged from mild symptoms to severe illness and death.

#### Prevention

- Wash your hands often
- Wear a face mask
- Avoid contact with sick people
- Always cover your cough or sneeze

## New User (Patient) Test Booking

 COVID19-TMS

- Dashboard
- COVID19 TESTING
  - Testing >
  - Test Report
- Admin



### Covid19-Testing

**Personal Information**

**Full Name**

**Mobile Number**

**DOB**  
 

**Any Govt Issued ID**

**Govt Issued ID Number**

**Address**

**State**

**Testing Information**

**Test Type**  
 

**Time Slot for Test**  
 

## Already Registered User (Patient) Test Booking

**COVID19-TMS**

- Dashboard
- COVID19 TESTING
  - Testing
  - Test Report
- Admin

### Covid19-Testing | Already Registeres Users

**Registered Mobile Number**

Please enter your registered mobile number

Search

**Resultt againt mobile number "1234567890"**

**Personal Information**

**Full Name**  
Anuj kumar

**Mobile Number**  
1234567890

**DOB (yyyy-mm-dd)**  
1999-02-01

**Any Govt Issued ID**  
Driving License

**Govt Issued ID Number**  
342545445345

**Address**  
A83748 New Delhi India

**State**  
Delhi

**Testing Information**

**Test Type**  
Select

**Time Slot for Test**  
dd-mm-yyyy --:--

Submit

## User (Patient) Test Details

COVID19-TMS Admin  Copyright © 2024

Dashboard  
Phlebotomist  
Testing  
Report

### Test Details# 690805913

**Personal Information**

Full Name	kiran
Mobile Number	4567342678
DOB (Date of Birth)	2003-08-13
Govt Issued Id	345
Govt Issued Id No	098
Full Address	jharoli
State	punjab
Profile Reg Date	2024-04-15 14:02:33

**Test Information**

Order Number	690805913
Test Type	Antigen
Time Slot	2024-04-10T16:04
Report Status	Sample Collected
Assign To	Amit Singh-(12587493)
Assigned Date	15-04-2024 02:13:19 PM

[Take Action](#)

## State Wise Dashboard

COVID19-TMS

Dashboard  
COVID19 TESTING  
Testing  
Test Report  
Admin

### Statewise Testing Dashboard

**Statewise Testing Dashboard**

Sno.	State Name	Total Test Done
1	Bihar	1
2	Delhi	3
3	Uttar Pradesh	2
Sno.	State Name	Total Test Done

## Admin Login

Covid Testing Management System



Welcome Back!

Enter username

Password

login

[Forgot Password?](#)

[Home Page](#)

## Admin Password Recovery

Covid Testing Management System



Password Recovery

Enter username

Contact Number

New Password

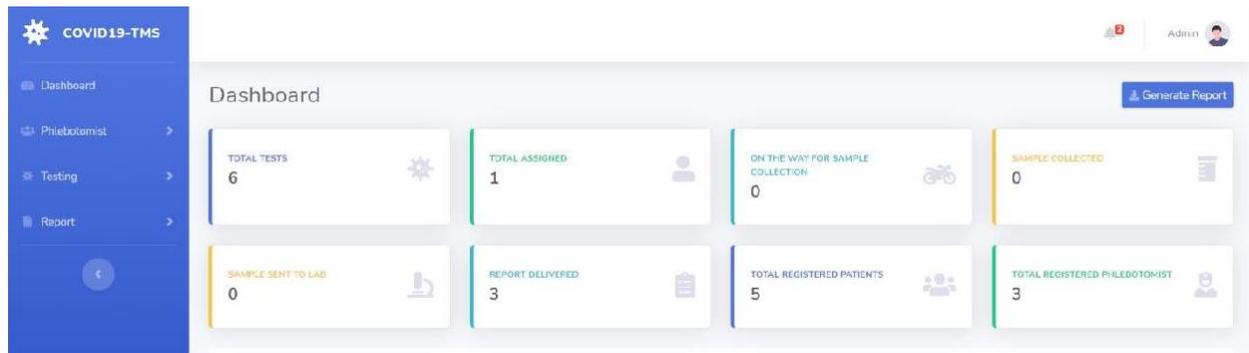
Confirm Password

Submit

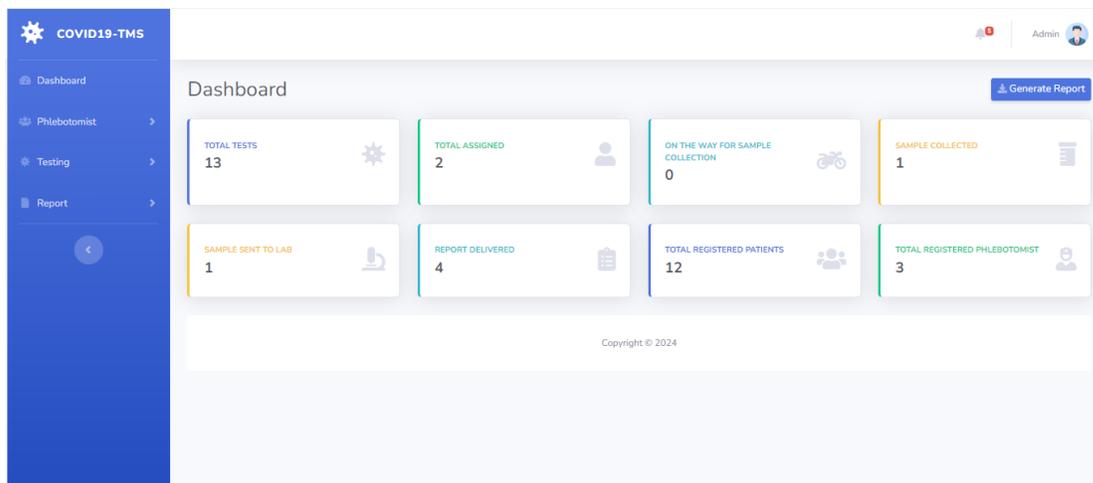
[Signin](#)

[Home Page](#)

## Admin Dashboard



## Admin Notification



## Add Phlebotomist

COVID19-TMS

Admin

### Add Phlebotomist

Personal Information

**Employee Id**  
Enter Emp Id...

**Full Name**  
Enter your full name...

**Mobile Number**  
Please enter your mobile number

Submit

## Manage Phlebotomist

COVID19-TMS

Admin

### Manage Phlebotomist

Phlebotomist Information

Show 10 entries Search:

Sno.	Emp Id	Name	Mobile No.	Reg. Date	Action
1	12345	Manshi	1234567898	2024-04-15 14:27:29	<a href="#">Edit</a> <a href="#">Delete</a>
1	6543	Apurva	5643278654	2024-04-15 14:28:19	<a href="#">Edit</a> <a href="#">Delete</a>
1	898976	Palvi	7654567890	2024-04-15 14:28:45	<a href="#">Edit</a> <a href="#">Delete</a>
1	5674487	Gourav	5432178906	2024-04-15 14:29:23	<a href="#">Edit</a> <a href="#">Delete</a>
Sno.	Emp Id	Name	Mobile No.	Reg. Date	Action

Showing 1 to 4 of 4 entries

Previous 1 Next

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## Edit/Update Phlebotomist Information

COVID19-TMS

Admin

### Apurva's Profile

Personal Information

Registration Date: 2024-04-15 14:28:19

Employee Id  
6543

Full Name  
Apurva

Mobile Number  
5643278654

Update

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**New/Assigned/On the way for collection/Sample Collected /Sent to Lab / Delivered / All Tests**

COVID19-TMS

Admin

### Assigned To Phlebotomist

Assigned Tests

Show 10 entries Search:

Sno.	Order No.	Patient Name	Mobile No.	Test Type	Time Slot	Reg. Date	Action
1	878897104	Manju	6245346789	RT-PCR	2024-04-13T12:31	2024-04-12 11:30:52	<a href="#">View Details</a>
2	734099685	ritika	5645765746	CB-NAAT	2024-04-19T15:02	2024-04-15 14:01:34	<a href="#">View Details</a>

Showing 1 to 2 of 2 entries

Previous 1 Next

Copyright © 2024

**Test Details-1**

Dashboard

Phlebotomist

Testing

Report

### Test Details# 334865990

**Personal Information**

Full Name	harish
Mobile Number	5645327898
DOB (Date of Birth)	2000-05-23
Govt Issued Id	5432
Govt Issued Id No	9876
Full Address	taraghar
State	punjab
Profile Reg Date	2024-04-15 14:05:20

**Test Information**

Order Number	334865990
Test Type	Antigen
Time Slot	2024-04-11T15:06
Report Status	Not Processed yet

Assign To

Test Tracking History

## Assigned to

Dashboard

Phlebotomist

Testing

Report

### Test Details# 334865990

**Personal Information**

Full Name	harish
Mobile Number	5645327898
DOB (Date of Birth)	2000-05-23
Govt Issued Id	5432
Govt Issued Id No	9876
Full Address	taraghar
State	punjab
Profile Reg Date	2024-04-15 14:05:20

**Test Information**

Order Number	334865990
Test Type	Antigen
Time Slot	2024-04-11T15:06
Report Status	Not Processed yet

Assign To

Assign to

Select Phlebotomist

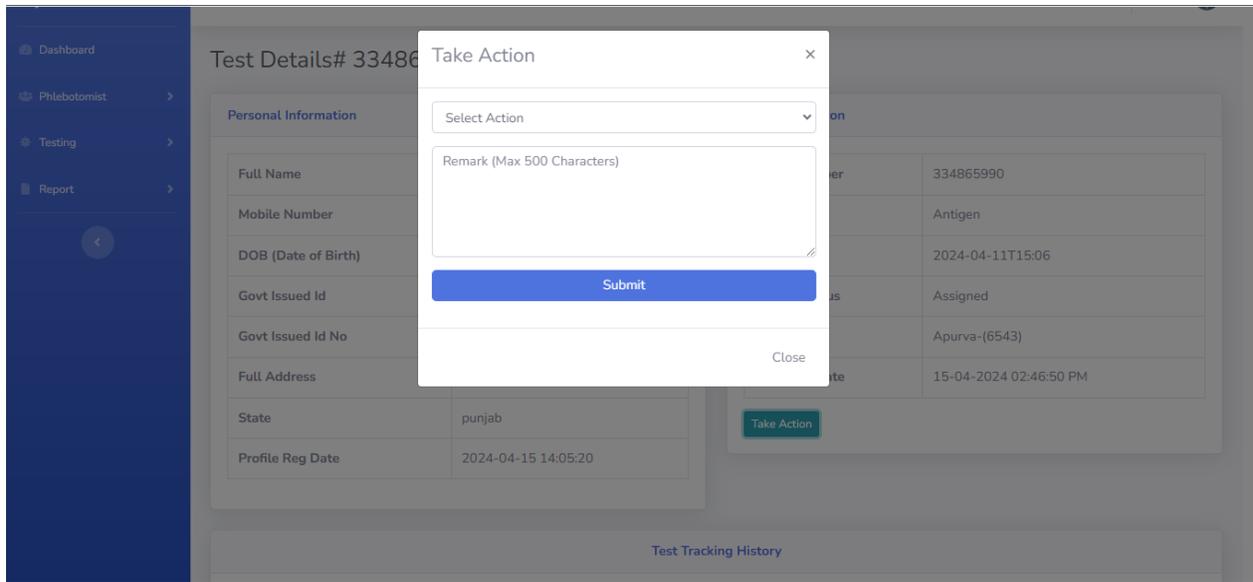
Submit

Close

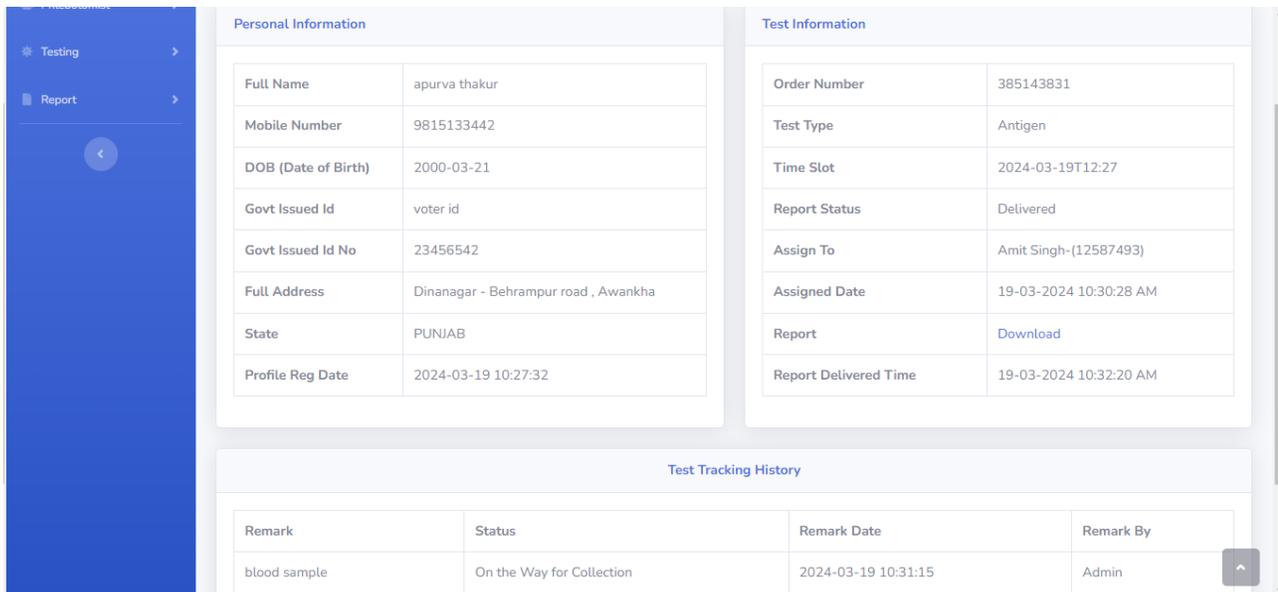
Test Tracking History

No Tracking history found

## Take Action



## Test Details Admin



## Reports

## B/w Dates Report Date Selection

COVID-19-TMS

B/w Dates Report Date Selection

From Date  
dd-mm-yyyy

To Date  
dd-mm-yyyy

Submit

## B/w Dates Test Result

All Tests

how 10 entries Search:

Sno.	Order No.	Patient Name	Mobile No.	Test Type	Time Slot	Reg. Date	Action
11	690805913	kiran	4567342678	Antigen	2024-04-10T16:04	2024-04-15 14:02:33	<a href="#">View Details</a>
12	690805913	kiran	4567342678	Antigen	2024-04-10T16:04	2024-04-15 14:02:33	<a href="#">View Details</a>
13	193699627	kiran	4567342678	RT-PCR	2024-04-11T17:05	2024-04-15 14:04:18	<a href="#">View Details</a>
14	193699627	kiran	4567342678	RT-PCR	2024-04-11T17:05	2024-04-15 14:04:18	<a href="#">View Details</a>
15	334865990	harish	5645327898	Antigen	2024-04-11T15:06	2024-04-15 14:05:20	<a href="#">View Details</a>

Showing 11 to 15 of 15 entries

Previous 1 2 Next

## Search Report

## Search Report Result

Search Result Against 'apurva thakur'

Search Report Results

Show 10 entries Search:

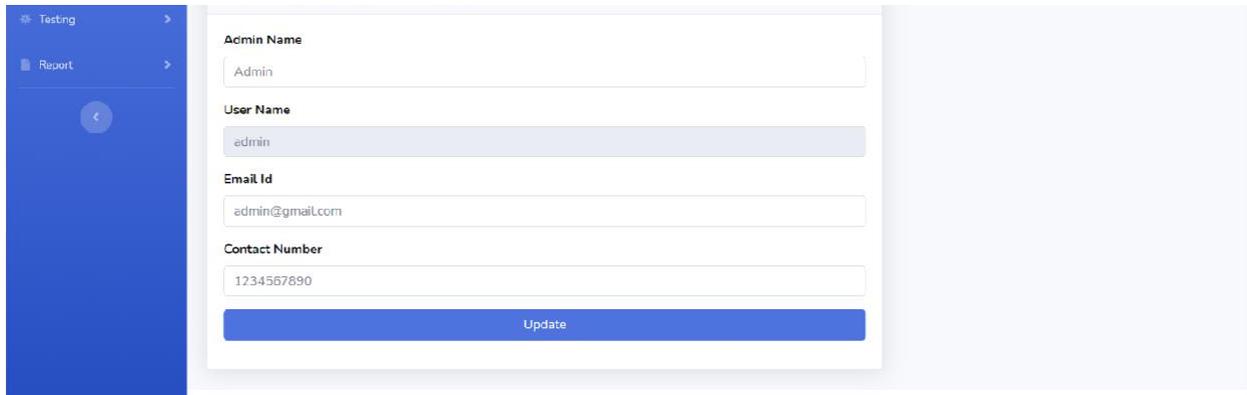
Sno.	Order No.	Patient Name	Mobile No.	Test Type	Time Slot	Reg. Date	Action
1	385143831	apurva thakur	9815133442	Antigen	2024-03-19T12:27	2024-03-19 10:27:32	<a href="#">View Details</a>

Showing 1 to 1 of 1 entries

Previous 1 Next

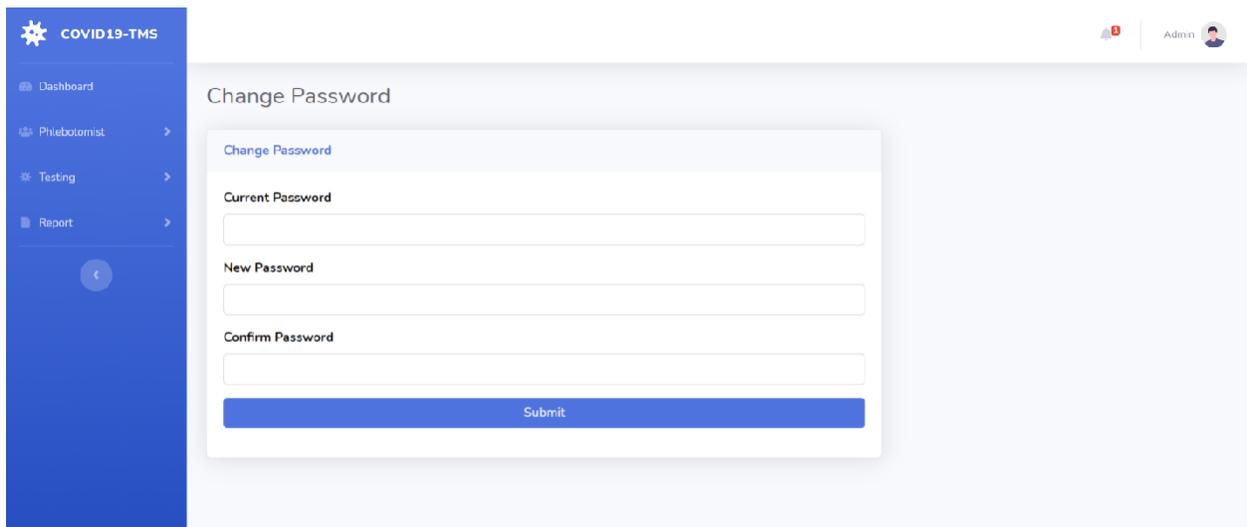
Copyright © 2024

## Admin Profile



A screenshot of an admin profile update form. On the left is a blue sidebar with 'Testing' and 'Report' menu items. The main content area shows a form with the following fields: 'Admin Name' (text input with 'Admin'), 'User Name' (text input with 'admin'), 'Email Id' (text input with 'admin@gmail.com'), and 'Contact Number' (text input with '1234567890'). A blue 'Update' button is at the bottom of the form.

## Admin Change Password



A screenshot of an admin change password form. The top left shows a 'COVID19-TMS' header with a gear icon. The top right shows a user profile for 'Admin'. The left sidebar contains 'Dashboard', 'Phlebotomist', 'Testing', and 'Report' menu items. The main content area is titled 'Change Password' and contains a form with three text input fields: 'Current Password', 'New Password', and 'Confirm Password'. A blue 'Submit' button is at the bottom of the form.

## Admin Logout

COVID19-TMS

Admin

Generate Report

### Dashboard

TOTAL TESTS 6	SAMPLE	SAMPLE COLLECTED 0
SAMPLE SENT TO LAB 0	REPORT DELIVERED 3	TOTAL REGISTERED PATIENTS 5
		TOTAL REGISTERED PHLEBOTOMIST 3

Copyright © COVID 19-TMS 2021

Ready to Leave?

Select "Logout" below if you are ready to end your current session.

Cancel Logout

## **Conclusion**

COVID19 Testing Management System is very much graceful and lively. Patients have to register to the portal by giving their details and then they can take appointment through online with minimal effort. The Phlebotomist comes to patient address to collect the sample. Once test is done and test report is generated patient can download the report by logged in to the portal. This system can be implemented in diagnostic labs and clinics.

- Automation of the entire system improves the productivity.
- It provides a friendly graphical user interface which proves to be better when compared to the existing system.
- It gives appropriate access to the authorized users depending on their permissions.
- It effectively overcomes the delay in communications.
- Updating of information becomes so easier.
- System security, data security and reliability are the striking features.
- The System has adequate scope for modification in future if it is necessary.

## **References**

## **For PHP**

- <https://www.w3schools.com/php/default.asp>
- <https://www.sitepoint.com/php/>
- <https://www.php.net/>

## **For MySQL**

- <https://www.mysql.com/>
- <http://www.mysqltutorial.org>

## **For XAMPP**

- <https://www.apachefriends.org/download.html>

**Project Report**  
**On**  
**BP MONITORING MANAGEMENT SYSTEM**

Submitted in partial fulfillment of the requirements for the award of degree of

**M.Sc (INFORMATION TECHNOLOGY)**

**TO**

**SHANTI DEVI ARYA MAHILA COLLEGE**

**DINANAGAR**



**Submitted To:-**

**Mrs. Neha Saini**

**Assistant Professor**

**Post Graduate Deptt. Of Computer Science & IT**

**Submitted By:**

**Pardeep Kaur**

**(20862225416)**

**Venus Saini**

**(20862225413)**

**POST GRADUATE DEPARTMENT OF COMPUTER Sc. & IT**  
**GURU NANAK DEV UNIVERSITY, AMRITSAR**

## **ACKNOWLEDGEMENT**

With deep sense of gratitude we express our sincere thanks and obligation to our esteemed guide Mrs. Neha Saini (Assistant Professor). It is because of her able and mature guidance and co-operation without which it would not have been possible for us to complete our project.

We would also like to thank Dr. Deepak Jyoti, HOD, Post Graduate Deptt. of Comp Sc. & IT, Shanti Devi Arya Mahila College, Dinanagar for providing the institute with an environment where one can use her intellect and creativity to develop something fruitful and also for allowing us the opportunity to experience dynamic professional environment during our Training. This environment facilitated us in pursuing this project.

It is our pleasant duty to thank all the staff members of the Computer Department for their time to time suggestions.

Finally, we would like to thank the almighty and our parents for their moral support and our friends with whom we shared our day-to-day experience and received lots of suggestions that improved our quality of work.

**Pardeep Kaur**

**20862225416**

**Venus Saini**

**20862225413**

## **CERTIFICATE OF APPROVAL**

This is certify that the project report entitled **BP MONITORING MANAGEMENT SYSTEM** submitted to Shanti Devi Arya Mahila College, Dinanagar in partial fulfillment of the requirement for the award of degree of M.Sc (Information Technology) , is an authentic and original work carried out by Pardeep Kaur (20862225416) Venus Saini (20862225413) under my guidance and supervision. The Post Graduate deptt. of Comp Sc. & IT has accepted the report as the fulfillment of the requirements for the degree of Master of Information Technology. No part of this report has been submitted to any other College/University for the reward of any Degree to the best of my knowledge.

**Mrs. Neha Saini**

**Assistant Professor (Comp Sc.)**

**(Project Supervisor)**

**Shanti Devi Arya Mahila College**

**Dinanagar**

**Dr. Deepak Jyoti**

**Head, PG Department of Comp Sc. & IT**

**Shanti Devi Arya Mahila College**

**Dinanagar**

## **DECLARATION**

We hereby declare that this project report on “BP MONITORING MANAGEMENT SYSTEM” which is being submitted in partial fulfillment of the Training Programme of M.Sc (Information Technology) to Shanti Devi Arya Mahila College, Dinanagar, is the result of the work carried out by us, under the guidance of Mrs. Neha Saini (Assistant Professor). Shanti Devi Arya Mahila College, Dinanagar

**Pardeep Kaur**

**20862225416**

**Venus Saini**

**20862225413**

# 1. INTRODUCTION

## **Scope of the Project**

The objective of this application is to develop a system that effectively manages the data related to the Blood Pressure monitoring. The purpose is to maintain a centralized database of all BP monitoring related information. The goal is to support various functions and processes necessary to manage the data efficiently.

## **Existing System**

This existing system is not providing secure registration and profile management of all the users properly. This system is not providing on-line Help. This system doesn't provide tracking of users activities and their progress. This manual system gives us very less security for saving data and some data may be lost due to mismanagement.

## **Proposed System**

The development of this new system contains the following activities, which try to automate the entire process keeping in the view of database integration approach. This system maintains user's personal, and contact details. This system will provide on line help and search capabilities. User friendliness is provided in the application with various controls provided by system rich user interface. Authentication is provided for this application only registered users can access. Blood pressure monitoring information files can be stored in centralized database which can be maintained

by the system. This system provides the users to manage the blood pressure monitoring data systematically. This system basically lessens the manual work and improves the quality of maintaining records and other information related to the blood pressure monitoring. One of the solutions that we are going to discuss here to speed up the database response by using MySQL database and to reduce the time complexity by using multi-user environment. Multi-user environment reduces burden with effortless maintenance.

## **2. SYSTEM ANALYSIS**

### **FEASIBILITY STUDY**

A feasibility study is a high-level capsule version of the entire System analysis and Design Process. The study begins by classifying the problem definition. Feasibility is to determine if it's worth doing. Once an acceptance problem definition has been generated, the analyst develops a logical model of the system. A search for alternatives is analyzed carefully. There are 3 parts in feasibility study.

#### **Operational Feasibility**

Question that going to be asked are Will the system be used if it developed and implemented.

If there was sufficient support for the project from the management and from the users.

Have the users been involved in planning and development of the Project.

#### **Technical feasibility**

Does the necessary technology exist to do what is been suggested Does the proposed equipment have the technical capacity for using the new system? Are there technical guarantees of accuracy, reliability and data security? The project is developed on Pentium III with 128 MB RAM. The environment required in the development of system is any windows platform.

The observer pattern along with factory pattern will update the results eventually.

The language used in the development is PHP, Apache Server and database as MySQL.

### **2.1.2 Economical Feasibility**

To decide whether a project is economically feasible, to consider various factors as cost benefit analysis, long-term returns and maintenance costs.

## **FUNCTIONAL REQUIREMENTS**

Functional requirement defines a function of a software system or its component. A function is described as a set of inputs, the behaviour, and outputs. Functional requirements may be calculations, technical details, data manipulation and processing and other specific functionality that define what a system is supposed to accomplish. Behavioural requirements describing all the cases where the system uses the functional requirements are captured in use cases.

## **NUMBER OF MODULES**

The system after careful analysis has been identified to be presented with the following modules:

### **Blood Pressure Monitoring Management System Module:**

In BPMMS project we use PHP and MySQL database. It has one modules i.e. user module.

#### **User Module**

**User Registration:** In this section, the user can register himself. A one-time registration is required for every user.

**User login:** In this section, users can log in with a valid email id and password.

**Dashboard:** In this section, the User can view the total listed family members and total BP records count.

**Family Members:** In this section, the user can add, edit and delete the family members.

**BP:** In this section, the user can add, edit and delete the family member BP details.

**Reports:** In this section, the User can generate the b/w dated report of a particular family member.

User can also update their profile, change their password and recover their password.

## **NON-FUNCTIONAL REQUIREMENTS**

### **Performance Requirements:**

Performance is measured in terms of the output provided by the application. Requirement specification plays an important part in the analysis of a system. Only when the requirement specifications are properly given, it is possible to design a system, which will fit into required environment. It rests largely with the users of the existing system to give the requirement specifications because they are the people who finally use the system. This is because the requirements have to be known during the initial stages so that the system can be designed according to those requirements. It is very difficult to change the system once it has been designed and on the other hand designing a system, which does not cater to the requirements of the user, is of no use.

The requirement specification for any system can be broadly stated as given below:

The system should be able to interface with the existing system the system should be accurate.

The system should be better than the existing system

**Reliability:**

In this system reliability means the mail which is send by the source must reach the target user with any modification and accurate.

**Security:**

The web server and database server should be protected from hacking, virus etc

**Portability:**

The application will be developed using standard open source software like PHP, Apache web server, MySQL database, Internet Explorer Browser etc these software will work both on Windows and Linux o/s. Hence portability problems will not arise.

**Availability:**

This software will be available always.

**Maintainability:**

In this system the presentation layer is clearly separated from the service layer. So any modification in future will be done with less efforts. The database will be running at the server. Users access these forms by using the user-ids and the passwords.

## **HARDWARE REQUIREMENTS:**

Processor	:	Intel P-IV based system
Processor Speed	:	2.0. GHz
RAM	:	1GB
Hard Disk	:	40GB to 80GB

## **SOFTWARE REQUIREMENTS:**

Database	:	MySQL
Server	:	Apache
Frontend Scripting language	:	HTML Java Script
IDE	:	Sublime
Technology	:	PHP

### 3. SYSTEM DESIGN

#### Class Diagram:

The class diagram shows a set of classes, interfaces, collaborations and their relationships.

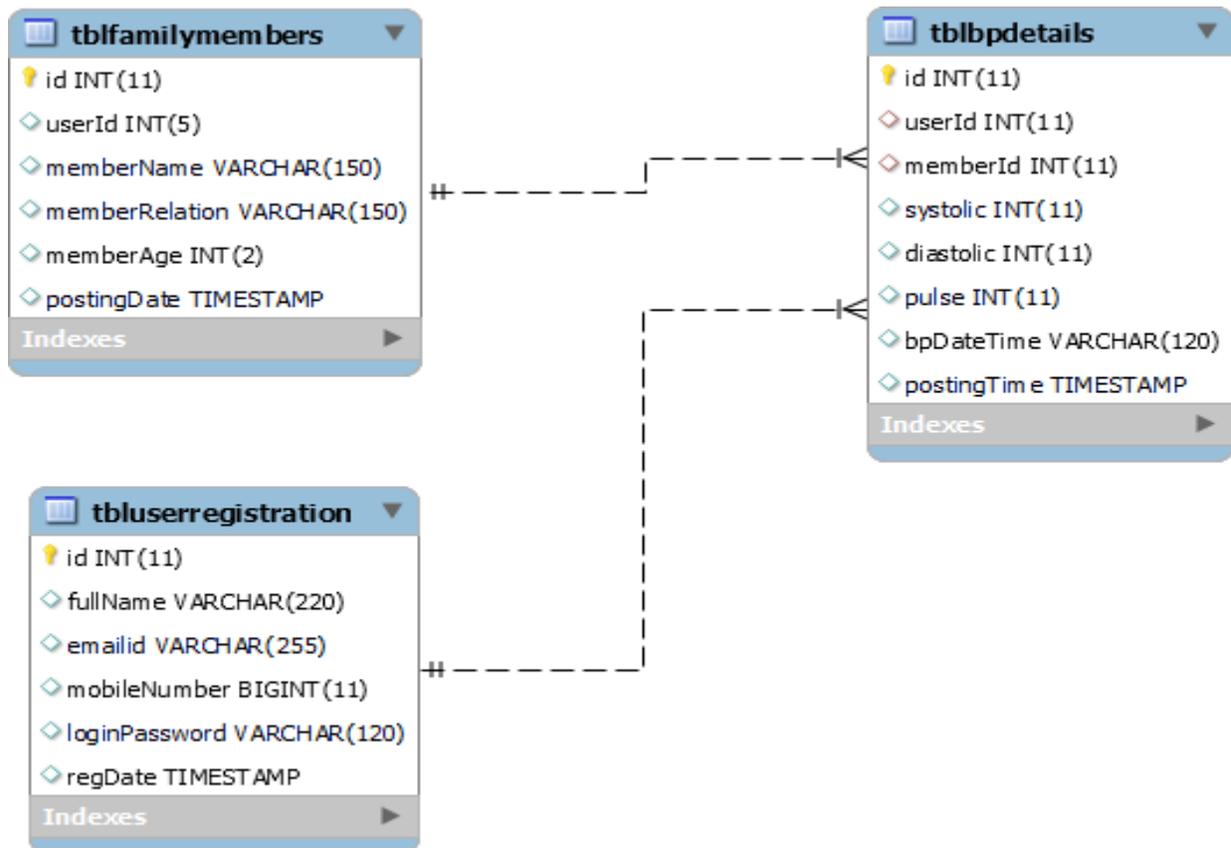


Fig: 3.1.1.1 Class diagram for on Blood Pressure monitoring management

#### 3.1.1 Use case diagrams:

Use case diagram consists of actors, use cases and their relationships. These diagrams are especially important in organizing and modelling the behaviours of a system.

## User Diagram

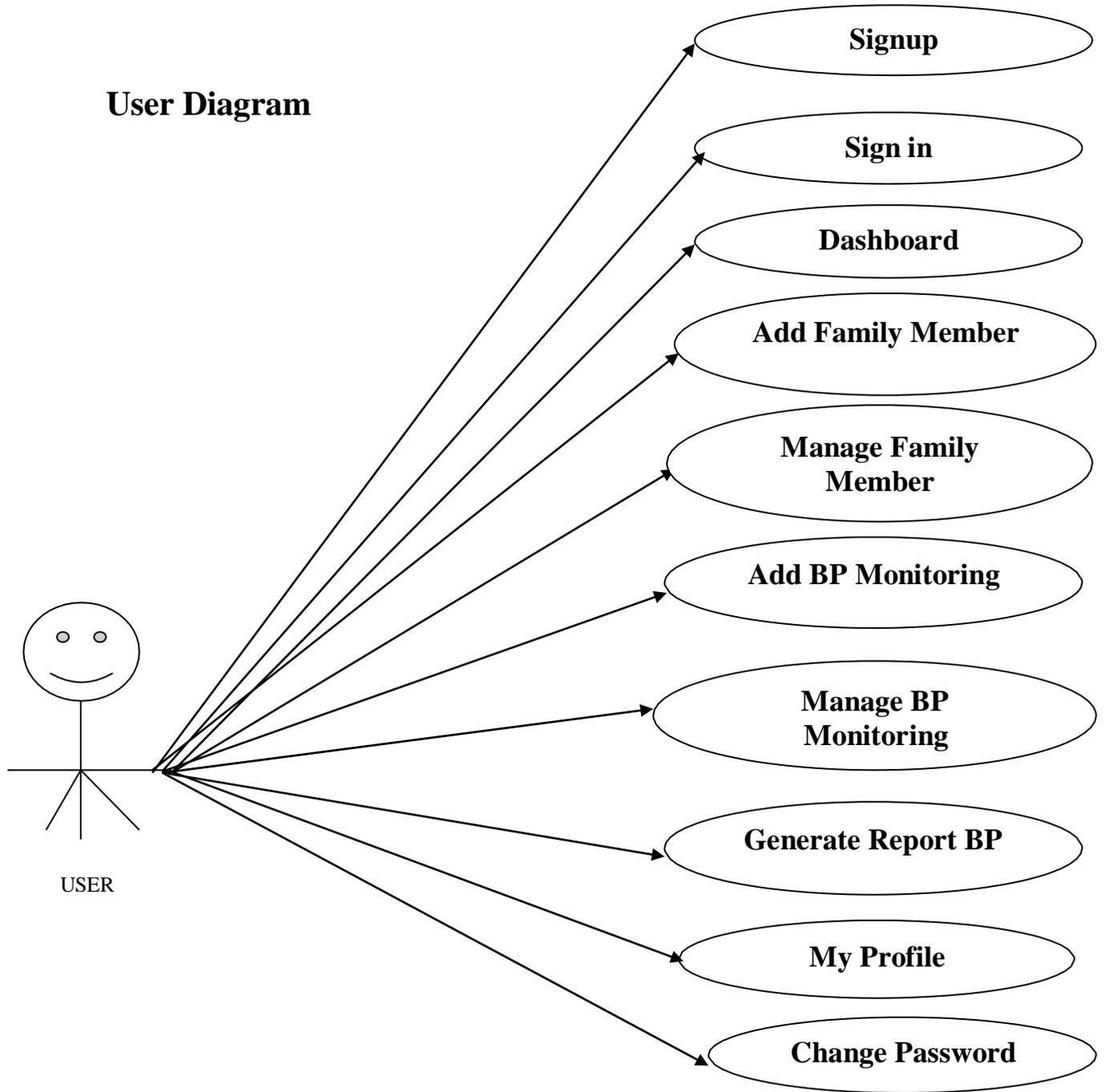
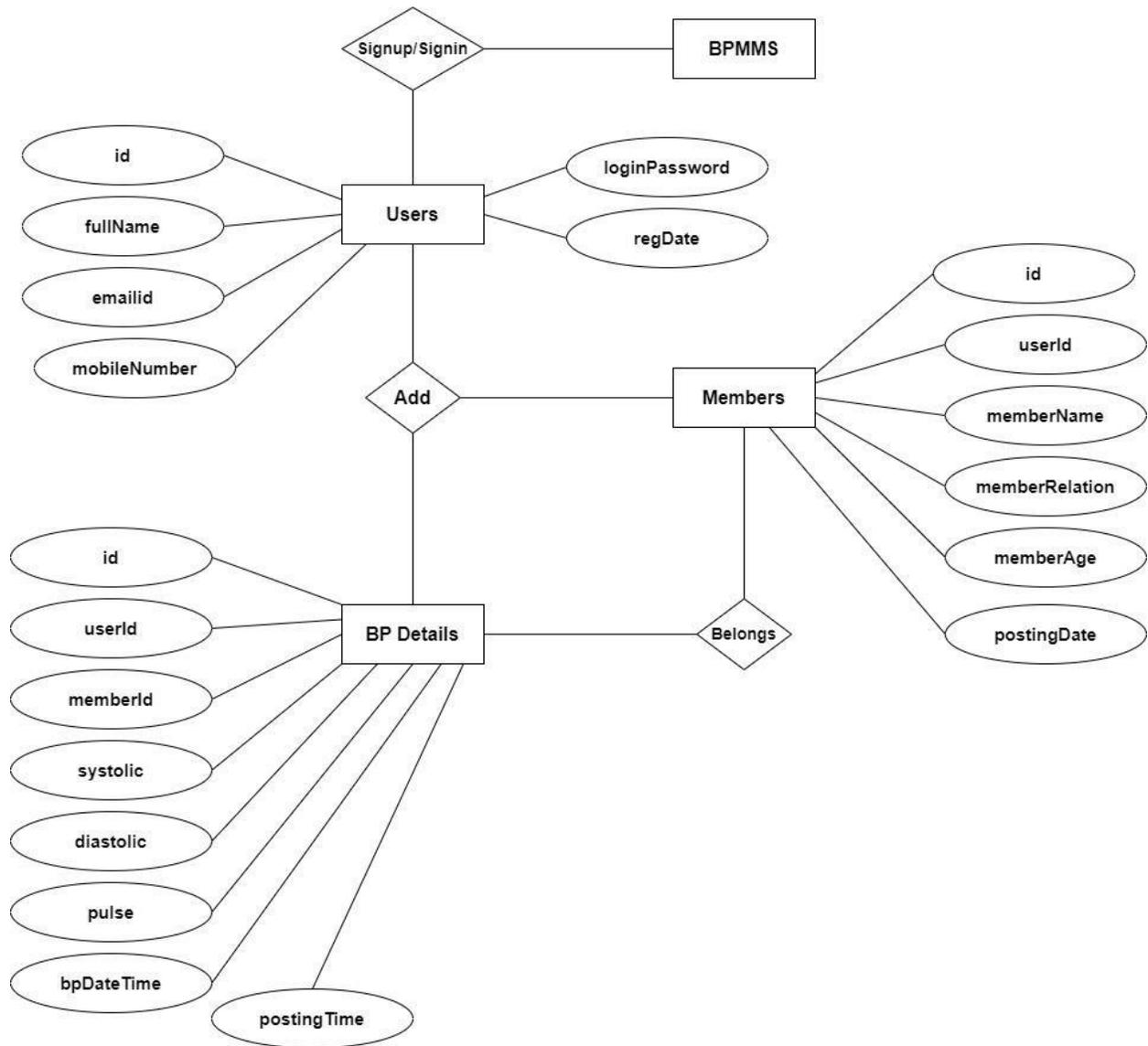


Fig: 3.1.2.1 Use case diagram for user

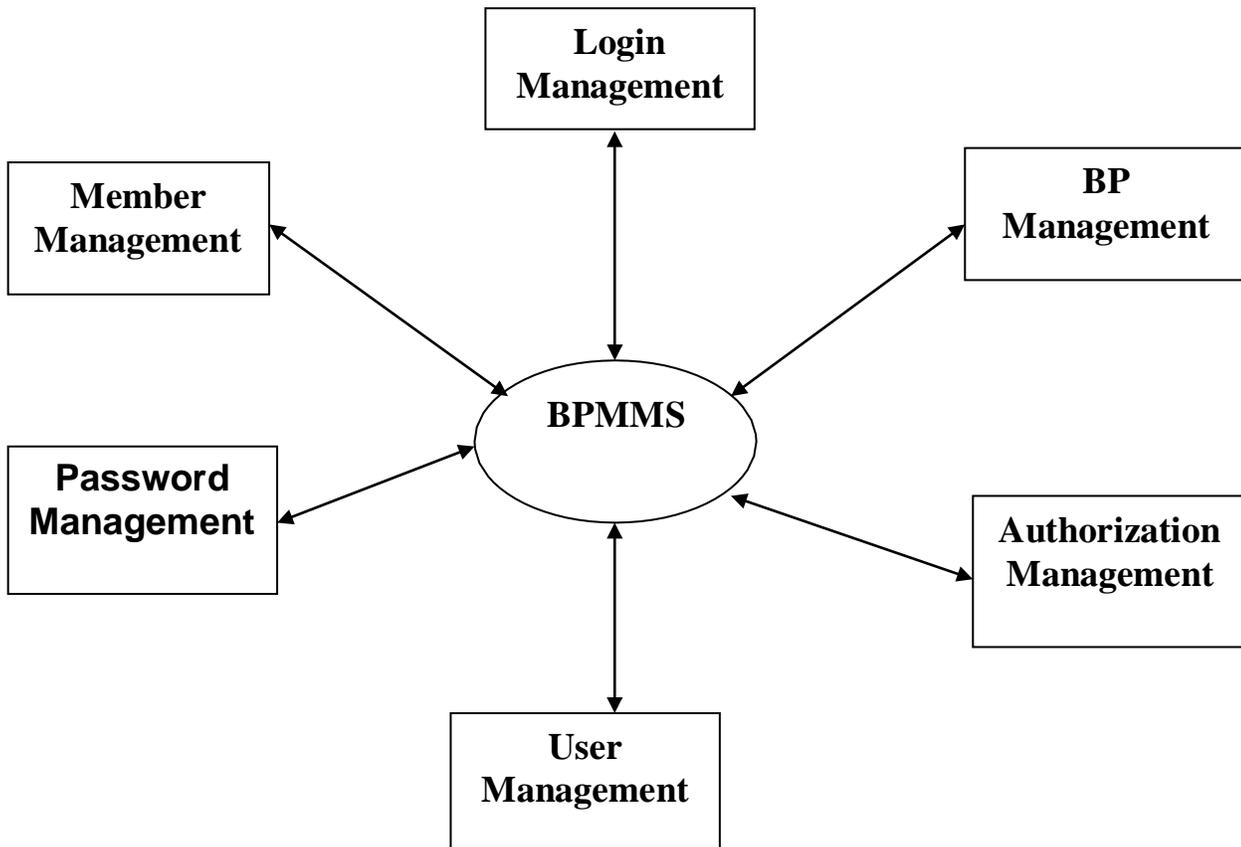
# ER-DIAGRAM



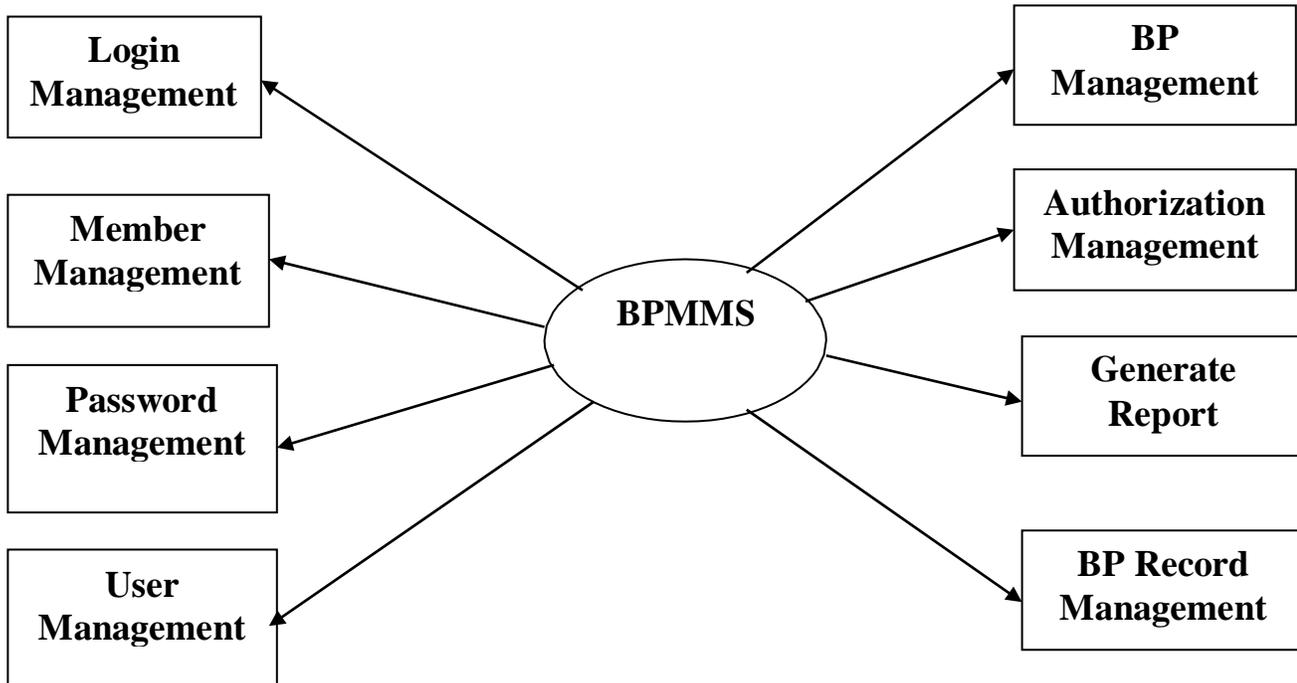
**Fig:** 3.1.3 ER diagram for Blood Pressure Monitoring System

# DATA FLOW DIAGRAM

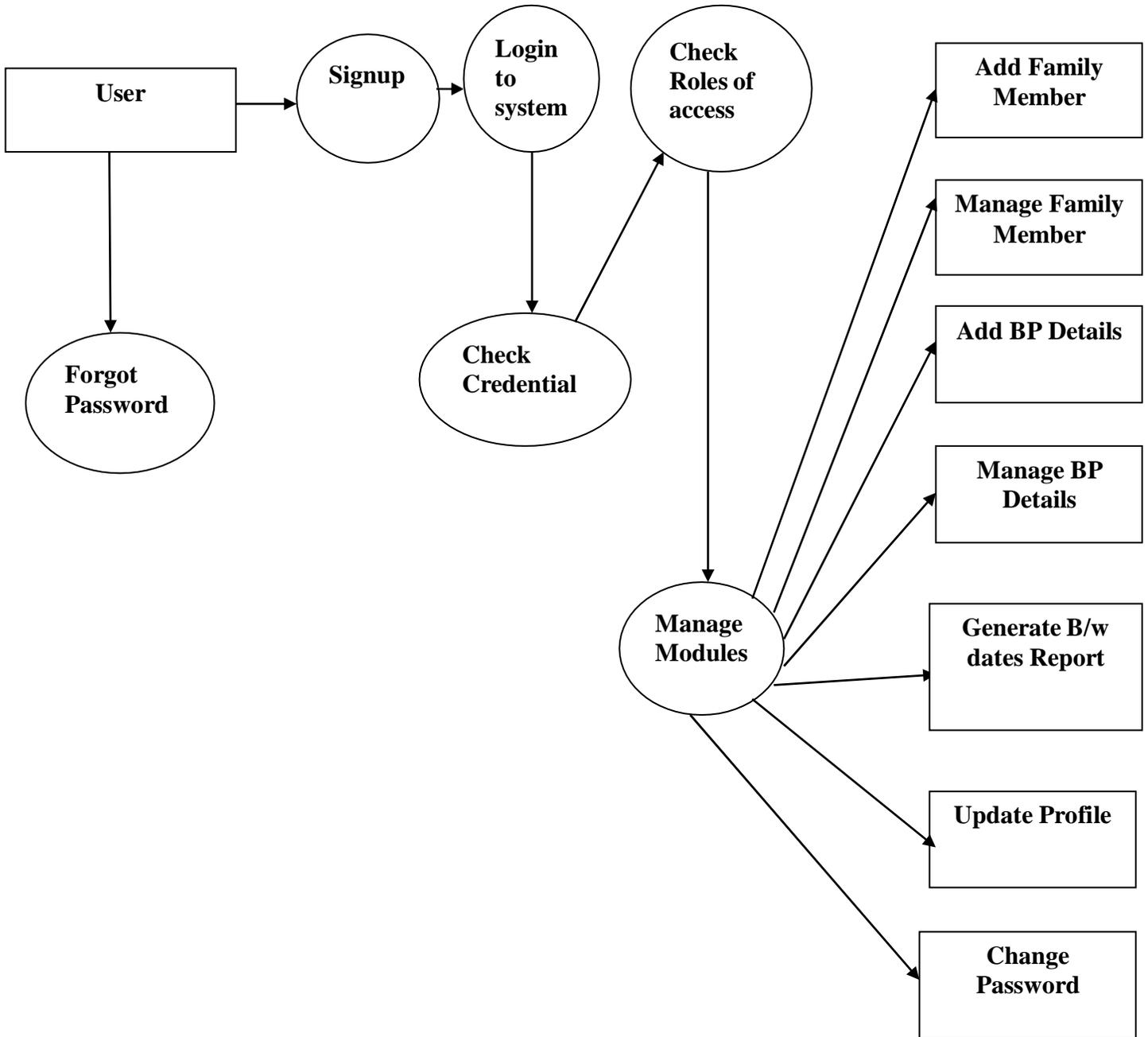
## Zero Level DFD



## First Level DFD



## Second Level DFD



## **Tables**

The data in the system has to be stored and retrieved from database. Designing the database is part of system design. Data elements and data structures to be stored have been identified at analysis stage. They are structured and put together to design the data storage and retrieval system.

A database is a collection of interrelated data stored with minimum redundancy to serve many users quickly and efficiently. The general objective is to make database access easy, quick, inexpensive and flexible for the user. Relationships are established between the data items and unnecessary data items are removed. Normalization is done to get an internal consistency of data and to have minimum redundancy and maximum stability. This ensures minimizing data storage required, minimizing chances of data inconsistencies and optimizing for updates. The MySQL Access database has been chosen for developing the relevant databases.

# Blood Pressure Monitoring Management System (BPMMS)

contains three MySQL tables:

**tblbpdetails:** This table store the blood pressure details of family members.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	id	int(11)			No	None		AUTO_INCREMENT
2	userid	int(11)			Yes	NULL		
3	memberId	int(11)			Yes	NULL		
4	systolic	int(11)			Yes	NULL		
5	diastolic	int(11)			Yes	NULL		
6	pulse	int(11)			Yes	NULL		
7	bpDateTime	varchar(120)	utf8mb4_general_ci		Yes	NULL		
8	postingTime	timestamp			Yes	current_timestamp()		

## Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	id	5	A	No	

**tblfamilymembers:** This table store the family members details.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	id	int(11)			No	None		AUTO_INCREMENT
2	userid	int(5)			Yes	NULL		
3	memberName	varchar(150)	utf8mb4_general_ci		Yes	NULL		
4	memberRelation	varchar(150)	utf8mb4_general_ci		Yes	NULL		
5	memberAge	int(2)			Yes	NULL		
6	postingDate	timestamp			Yes	current_timestamp()		

## Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	id	3	A	No	

**tbluserregistration:** This table store the details of registered users.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	id 🗝️	int(11)			No	None		AUTO_INCREMENT
2	fullName	varchar(220)	utf8mb4_general_ci		Yes	NULL		
3	emailid	varchar(255)	utf8mb4_general_ci		Yes	NULL		
4	mobileNumber	bigint(11)			Yes	NULL		
5	loginPassword	varchar(120)	utf8mb4_general_ci		Yes	NULL		
6	regDate	timestamp			Yes	current_timestamp()		

Indexes 

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	id	2	A	No	

## **4. IMPLEMENTATION**

### **INTRODUCTION:**

Implementation is the stage of the project when the theoretical design is turned out into a working system. Thus, it can be considered to be the most critical stage in achieving a successful new system and in giving the user, confidence that the new system will work and be effective. The implementation stage involves careful planning, investigation of the existing system and its constraints on implementation, designing of methods to achieve changeover and evaluation of changeover methods.

### **TECHNOLOGIES USED**

#### **Programming Language**

#### **PHP**

- ✓ PHP stands for PHP: Hypertext Preprocessor
- ✓ PHP is a server-side scripting language,  
like ASP
- ✓ PHP scripts are executed on the server
- ✓ PHP supports many databases (MYSQL, Informix, Oracle,  
Sybase, Solid, Generic ODBC, etc.)
- ✓ PHP is an open source  
software

- ✓ PHP is free to download and use

## **MYSQL**

- ✓ MYSQL is a database server
- ✓ MYSQL is ideal for both small and large applications
- ✓ MYSQL supports standard SQL
- ✓ MYSQL compiles on a number of platforms
- ✓ MYSQL is free to download and use

## **CSS**

- ✓ Cascading Style Sheets (CSS)
- ✓ Simple mechanism
- ✓ Easy for adding style (e.g., fonts, colors, spacing) to Web documents.

# 5. TESTING

## **Introduction**

The purpose of testing is to discover errors. Testing is the process of trying to discover every conceivable fault or weakness in a work product. It provides a way to check the functionalities of components, sub assemblies, and/or a finished product it is the process of exercising software with the intent of ensuring that the software system meets its requirements and user expectations and does not fail in an unacceptable manner. There are various types of tests. Each test type addresses a specific testing requirement.

## **Types of Testing**

### **Unit Testing**

Unit testing focuses verification effort on the smallest unit of software design, the module. The unit testing, we have is white box oriented and some modules the steps are conducted in parallel.

### **5.1.2. Integration Testing**

Testing is done for each module. After testing all the modules, the modules are integrated and testing of the final system is done with the test data, specially designed to show that the system will operate successfully in all its aspects conditions. Thus the system testing is a confirmation that all is correct and

an opportunity to show the user that the system works. The purpose of integration testing is to verify functional, performance and reliability requirements placed on major design items. These "design items", i.e. assemblages (or groups of units), are exercised through their interfaces using black box testing, success and error cases being simulated via appropriate parameter and data inputs. Simulated usage of shared data areas and inter-process communication is tested and individual subsystems are exercised through their input interface.

Test cases are constructed to test that all components within assemblages interact correctly, for example across procedure calls or process activations, and this is done after testing individual modules, i.e. unit testing.

## **System Testing**

System testing ensures that the entire integrated software system meets requirements. It tests a configuration to ensure known and predictable results. An example of system testing is the configuration oriented system integration test. System testing is based on process descriptions and flows, emphasizing pre-driven process links and integration points.

## **White Box Testing**

This type of testing ensures that

All independent paths have been exercised at least once  
All logical decisions have been exercised on their true and false sides  
All loops are executed at their boundaries and within their  
operational bounds All internal data structures have been  
exercised to assure their validity.

To follow the concept of white box testing we have tested each form  
.we have created independently to verify that Data flow is correct,  
All conditions are exercised to check their validity, All loops are  
executed on their boundaries.

### **Basic Path Testing**

Established technique of flow graph with Cyclometer complexity  
was used to derive test cases for all the functions. The main steps in  
deriving test cases were:

Use the design of the code and draw correspondent flow graph.

### **Conditional Testing**

In this part of the testing each of the conditions were tested to both true and false aspects. And all the resulting paths were tested. So that each path that may be generate on particular condition is traced to uncover any possible errors.

### **Data Flow Testing**

This type of testing selects the path of the program according to the location of definition and use of variables. This kind of testing was used only when some local variable were declared. The definition-use chain method was used in this type of testing. These were particularly useful in nested statements.

### **Loop Testing**

In this type of testing all the loops are tested to all the limits possible. The following exercise was adopted for all loops: All the loops were tested at their limits, just above them and just below them. All the loops were skipped at least once. For nested loops test the inner most loop first and then work outwards. For concatenated loops the values of dependent loops were set with the help of connected loop. Unstructured loops were resolved into nested loops or concatenated loops and tested as above. Each unit has been separately tested by the development team itself and all the input have been validated.

# 6.

# Output Screen of Project

## User Module Screens

### Home Page



#### What is blood pressure?

Blood pressure is a measure of the force that your heart uses to pump blood around your body.

#### How is blood pressure measured?

Blood pressure is measured in millimetres of mercury (mmHg) and is given as 2 figures:

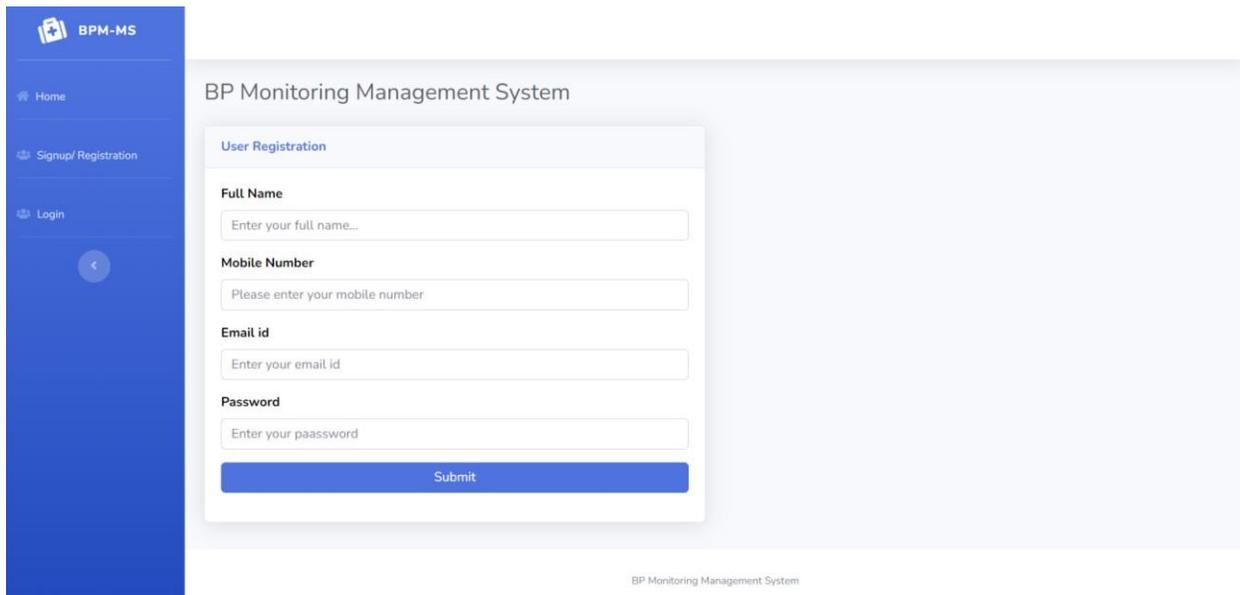
- systolic pressure – the pressure when your heart pushes blood out
- diastolic pressure – the pressure when your heart rests between beats

For example, if your blood pressure is "140 over 90" or 140/90mmHg, it means you have a systolic pressure of 140mmHg and a diastolic pressure of 90mmHg.

As a general guide:

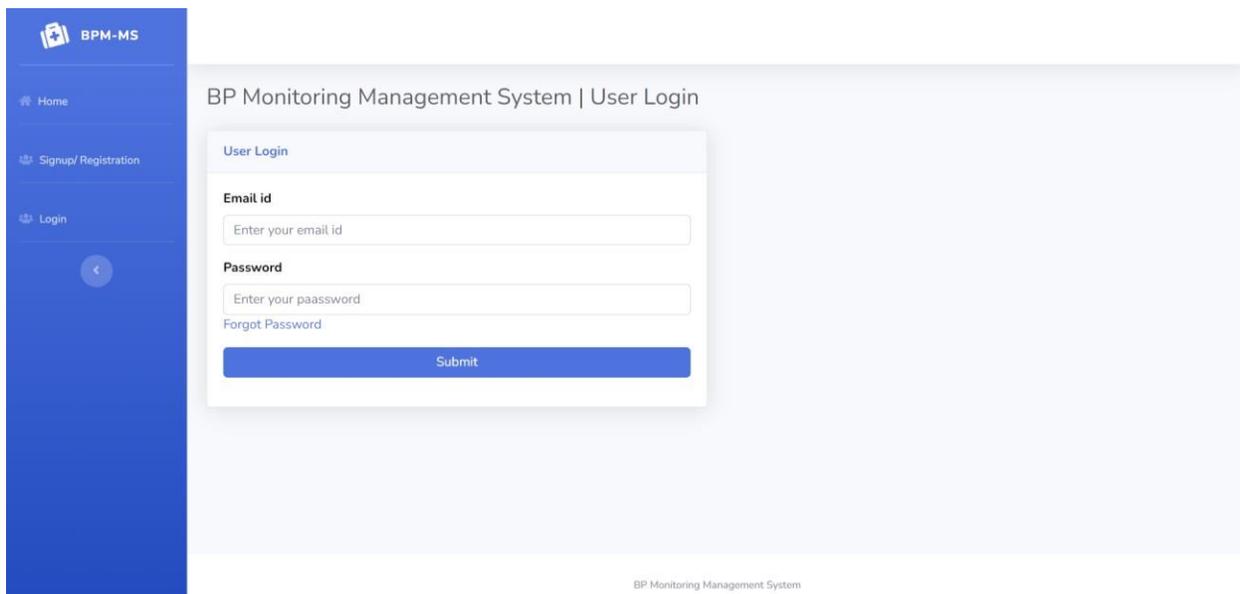
- ideal blood pressure is considered to be between 90/60mmHg and 120/80mmHg
- high blood pressure is considered to be 140/90mmHg or higher
- low blood pressure is considered to be below 90/60mmHg

# User Signup



The image shows a web application interface for the BP Monitoring Management System. On the left is a blue sidebar with the logo 'BPM-MS' and navigation links for 'Home', 'Signup/Registration', and 'Login'. A circular arrow icon is also present in the sidebar. The main content area is titled 'BP Monitoring Management System' and contains a 'User Registration' form. The form has four input fields: 'Full Name' (placeholder: 'Enter your full name...'), 'Mobile Number' (placeholder: 'Please enter your mobile number'), 'Email id' (placeholder: 'Enter your email id'), and 'Password' (placeholder: 'Enter your paassword'). A blue 'Submit' button is at the bottom of the form. The footer of the page reads 'BP Monitoring Management System'.

# User Sign In



The image shows the same web application interface as above, but for the 'User Sign In' page. The sidebar is identical. The main content area is titled 'BP Monitoring Management System | User Login' and contains a 'User Login' form. The form has two input fields: 'Email id' (placeholder: 'Enter your email id') and 'Password' (placeholder: 'Enter your paassword'). Below the password field is a link for 'Forgot Password'. A blue 'Submit' button is at the bottom of the form. The footer of the page reads 'BP Monitoring Management System'.

# Dashboard

BPM-MS

John Doe

Dashboard

Generate Report

LISTED FAMILY MEMBERS: 1

TOTAL BP RECORDS: 2

BP Monitoring Management System

# Profile

BPM-MS

nav

User Profile

Registration Date: 2024-04-12 11:51:44

Admin Name: nav

Email Id (used for login): navsaini@gmail.com

Mobile Number: 9815122443

Update

# Change Password

BPM-MS

John Doe

Change Password

Change Password

Current Password

New Password

Confirm Password

Submit

BP Monitoring Management System

# Add Family

 BPM-MS

-  Dashboard
-  Family Members >
-  BP >
-  Report >



John Doe 

## Add Family Member

Personal Information

**Member Name**

**Relation**

**Member age**

# Manage Family Details

**BPM-MS** nav

Dashboard  
Family Members >  
BP >  
Report >

## Manage Family Members

Family Members Information

Show  entries Search:

Sno.	Family Member Name	Relation	age	Reg. Date	Action
1	rahul	Brother	20	2024-04-12 11:55:04	
1	ritika	Sister	22	2024-04-12 11:55:29	
1	ranjit kaur	Mother	40	2024-04-12 12:06:59	
1	amrinder singh	Brother	27	2024-04-12 12:07:32	
Sno.	Family Member Name	Relation	Age	Reg. Date	Action

# Update Family Details

**BPM-MS** John Doe

Dashboard  
Family Members >  
BP >  
Report >

## Add Family Member BP Details

BP Details Information

Select Family Member

SYS mmHg

DIA mmHg

Pulses /min

Date and Time

BP Monitoring Management System

# Manage BP Details

**BPM-MS**

nav 

- Dashboard
- Family Members >
- BP >
- Report >

## Manage Family Members BP Details

**Family Members BP Information**

Show  entries Search:

Sno. ↑↓	Family Member Name ↑↓	Rleation ↑↓	age ↑↓	BP SYS/DIA ↑↓	Pulse /min ↑↓	BP Date Time ↑↓	Posting Date ↑↓	Action ↑↓
1	rahul	Brother	20	80/120	30	2024-04-10T04:05	2024-04-12 12:05:13	
1	ritika	Sister	22	90/120	28	2024-04-11T12:06	2024-04-12 12:06:09	
Sno.	Family Member Name	Relation	age	BP SYS/DIA	Pulse /min	BP Date Time	Posting Date	Action

# Blood Pressure Report

**BPM-MS** John Doe

Dashboard | Family Members | BP | Report

### B/w Dates Report Date Selection

**From Date**

**To Date**

**Family Member**

**Submit**

BP Monitoring Management System

# View Blood Pressure Report

**BPM-MS** nav

Dashboard | Family Members | BP | Report

### Manage Family Members BP Details

**Family Members BP Information**

Show  entries Search:

Sno. ↑↓	Family Member Name ↑↓	Relation ↑↓	age ↑↓	BP SYS/DIA ↑↓	Pulse /min ↑↓	BP Date Time ↑↓	Posting Date ↑↓	Action ↑↓
1	rahul	Brother	20	80/120	30	2024-04-10T04:05	2024-04-12 12:05:13	
1	ritika	Sister	22	90/120	28	2024-04-11T12:06	2024-04-12 12:06:09	
Sno.	Family Member Name	Relation	age	BP SYS/DIA	Pulse /min	BP Date Time	Posting Date	Action

## **7. CONCLUSION**

The “**Blood Pressure Monitoring Management System**” was successfully designed and is tested for accuracy and quality. During this project we have accomplished all the objectives and this project meets the needs of the organization. One of the solutions that we are going to discuss here to speed up the database response by using MySQL Server database and to reduce the time complexity by using multi-user environment. Multi-user environment reduces burden with effortless maintenance.

### **GOALS ACHIVIED**

- ✓ Reduced entry work.
- ✓ Easy retrieval of information.
- ✓ Reduced errors due to human intervention.
- ✓ User friendly screens to enter the data.
- ✓ Portable and flexible for further enhancement.
- ✓ Web enabled.
- ✓ Fast finding of information request.

## 8. REFERENCES

- ✓ [www.w3schools.com](http://www.w3schools.com)
- ✓ [\*php.net\*](http://php.net)
- ✓ [\*en.wikipedia.org/wiki/PHP\*](http://en.wikipedia.org/wiki/PHP)
- ✓ [www.hotscripts.com/category/php/](http://www.hotscripts.com/category/php/)
- ✓ [www.apache.org](http://www.apache.org)
- ✓ [www.mysql.com/click.php?e=35050](http://www.mysql.com/click.php?e=35050)

**Project Report**

**On**

**MEN SALON MANAGEMENT SYSTEM**

Submitted in partial fulfillment of the requirements for the award of degree of

**M.Sc (INFORMATION TECHNOLOGY)**

**TO**

**SHANTI DEVI ARYA MAHILA COLLEGE**

**DINANAGAR**



**Submitted To:-**

**Mrs. Shallu Sharma**

**Assistant Professor**

**Post Graduate Deptt. Of Computer Science & IT**

**Submitted By:**

**Kiranpreet**

**Kaur**

**(20862225418)**

**POST GRADUATE DEPARTMENT OF COMPUTER Sc. & IT**

**GURU NANAK DEV UNIVERSITY, AMRITSAR**

## **ACKNOWLEDGEMENT**

With deep sense of gratitude I express my sincere thanks and obligation to my esteemed guide Mrs. Shallu Sharma (Assistant Professor). It is because of her able and mature guidance and co-operation without which it would not have been possible for me to complete my project.

I would also like to thank Dr. Deepak Jyoti, HOD, Post Graduate Deptt. of Comp Sc. & IT, Shanti Devi Arya Mahila College, Dinanagar for providing the institute with an environment where one can use her intellect and creativity to develop something fruitful and also for allowing me the opportunity to experience dynamic professional environment during my Training. This environment facilitated me in pursuing this project.

It is my pleasant duty to thank all the staff members of the Computer Department for their time to time suggestions.

Finally, i would like to thank the almighty and my parents for their moral support and my friends with whom I shared my day-to-day experience and received lots of suggestions that improved my quality of work.

**Kiranpreet Kaur**

**20862225418**

## **CERTIFICATE OF APPROVAL**

This is certify that the project report entitled **MEN SALON MANAGEMENT SYSTEM** submitted to Shanti Devi Arya Mahila College, Dinanagar in partial fulfillment of the requirement for the award of degree of M.Sc (Information Technology) , is an authentic and original work carried out by Kiranpreet kaur (20862225418) under my guidance and supervision. The Post Graduate deptt. of Comp Sc. & IT has accepted the report as the fulfillment of the requirements for the degree of Master of Information Technology. No part of this report has been submitted to any other College/University for the reward of any Degree to the best of my knowledge.

**Mrs. Shallu Sharma**

**Assistant Professor (Comp Sc.)**

**(Project Supervisor)**

**Shanti Devi Arya Mahila College**

**Dinanagar**

**Dr. Deepak Jyoti**

**Head, PG Department of Comp Sc. & IT**

**Shanti Devi Arya Mahila College**

**Dinanagar**

## **DECLARATION**

I hereby declare that this project report on “MEN SALON MANAGEMENT SYSTEM” which is being submitted in partial fulfillment of the Training Programme of M.Sc (Information Technology) to Shanti Devi Arya Mahila College, Dinanagar, is the result of the work carried out by me, under the guidance of Mrs. Shallu Sharma (Assistant Professor). Shanti Devi Arya Mahila College, Dinanagar

**Kiranpreet Kaur**

**20862225418**

## Introduction to Project

With tremendous increase in technology, information technology is a fast-developing field. Technology which is in vogue today might become redundant tomorrow. This ever-changing scenario makes it possible to provide the latest and most modern IT solutions to various business and institutions.

I am doing my project on **Men's Salon Management System**. There is the need for efficient management of a network-based system for handling customer orders.

This project is an endeavor to provide a solution to this. The proposed system enables an administrator to keep track of customer orders and maintaining records of the customers. He can view the submitted requirements made by the customer. He can also view the reports generated by him and can also sent approvals or rejections instantly.

Thus, the project is a sincere effort in simplifying the task of administrators in an easily usable format.

I finalized to make this project and hence planned to develop this system using PHP for front end and MySQL as the Back End.

## Project Details

In this project we use PHP and MySQL database. It has two modules admin and user.

### **Admin**

1. **Dashboard:** In this section admin can see all detail in brief like total number of customers, Total number of appointments, Rejected Appointment, Accepted Appointment, Total Services, Today's sales, yesterday's sale, Last seven days sales and total sales.
2. **Services:** In this section admin can manage services of parlor (add and update).
3. **Pages:** In this section admin can manage about us and contact us pages.
4. **Appointment:** In this section admin can view the detail of appointments and have right to reject and select appointment.
5. **Subscriber:** In this section, admin can view subscriber emails.
6. **Add Customer:** In this section admin can manage customer (add/update).
7. **Customer List:** In this section admin can view customer list and assign services and make invoices of services which is taken by customer.
8. **Reports:** In this section admin can view users detail and sales in particular periods
9. **Invoice:** In this section there is the list of total invoices which is viewed by admin
10. **Search Appointment:** In this section admin can search appointment with the help of his/her appointment number, name and contact number.
11. **Search Invoice:** In this section admin can search invoices with the help of his/her invoice number.

Admin can also update his profile, change password and recover password.

### **User**

In MSMS user not require to sign in

**Home Page:** User can take appointment with Men's Salon on particular date and time.

**Services:** User views the services which is offer by Men's Salon.

**About Us:** User sees the details of Men's Salon.

**Contact Us:** User can contact with Men's Salon.

## **Limitation of the Present System**

Before starting the project, we have to study its limitations and objective some of them are:-

- All the processes of this management are done manually in the form of paper work and the records are stored in the registers. In such cases there are frequent chances of data redundancy and data is ease to lose.
- All the introductions related to the customer and others printed on the papers, this activity generates the chances of data lost.
- All the bills structures are done by hand written; sometimes it produces mistakes in calculation.
- This system is very time consuming and require lost of manpower

## **Proposed System**

Objective is to overcome the major limitation of the existing enabling effective management of the customer details thereby improving the performance.

- With improved computerization being involved in the maintenance of customer details, error and inconsistencies can be kept at par.
- Easy retrieval of data will be made possible by finding techniques.
- Validation of data will ensure only accurate, valid and complete data is stored in the database.
- Proper monitoring of the processes from customer registration to activation. Report generation will help make it easy to analyze the performance at the Bank.
- This will be much less time-consuming comparing to existing system.

## **Advantage of Proposed System**

- With improved computerization being involved in the maintenance of user's appointment, customer details. Error and inconsistencies can be kept at per.
- Validation of data will be ensure only accurate valid and complete data stored in the database.
- Easy retrieval or data will be made possible by finding techniques.
- Report generation will help made it easy to analyze the performance or clinic Administration.

## **Objective and Scope of Proposed System**

- The objectives of the proposed system are to overcome the major limitation of existing system enabling effective management of the customer details thereby improving the performance of SHOP ADMINISTRATION.
- The system will store all the basic data processing needs the shop management.

## Feasibility study

A feasibility study is undertaken to determine the possibility or probability of either improving the existing system or developing a completely new system. It helps to obtain the overview of the problem and to get a rough assessment of whether other feasible solution exists.

### NEEDS FOR FEASIBILITY STUDY:

The feasibility study is needed for following things:-

- Answer the questions whether a new system is to be installed or not?
- Determine the potential of the existing system.
- Improve the existing system.
- Know what should be embedded in the new system.
- Define the problems and objectives involved.
- Avoid costly repairs at later stage when system is implemented.
- Avoid crash implementation of the new system.
- Avoid the 'Hardware approach' i.e. getting a computer first and then deciding how to use it.

The Feasibility study is divided in to three parts:-

- TECHNICAL FEASIBILITY
- ECONOMIC FEASIBILITY
- OPERATIONAL FEASIBILITY
- 

### ➤ **ECONOMIC FEASIBILITY**

Economic analysis is most frequently used for evaluation of the effectiveness of the system. More commonly known as cost/benefit analysis the procedure is to determine the benefit and saving that are expected from a system and compare them with costs, decisions is made to design and Implement the system.

This part of feasibility study gives the top management the economic justification for the new system. This is an important input to the management the management, because very often the top

management does not like to get confounded by the various technicalities that bound to be associated with a project of this kind. A simple economic analysis that gives the actual comparison of costs and benefits is much more meaningful in such cases.

In the system, the organization is most satisfied by economic feasibility. Because, if the organization implements this system, it need not require any additional hardware resources as well as it will be saving lot of time.

### ➤ **TECHNICAL FEASIBILITY**

Technical feasibility centers on the existing manual system of the test management process and to what extent it can support the system.

According to feasibility analysis procedure the technical feasibility of the system is analyzed and the technical requirements such as software facilities, procedure, inputs are identified. It is also one of the important phases of the system development activities.

The system offers greater levels of user friendliness combined with greater processing speed. Therefore, the cost of maintenance can be reduced. Since, processing speed is very high and the work is reduced in the maintenance point of view management convince that the project is operationally feasible.

### ➤ **BEHAVIOURAL FEASIBILITY**

People are inherently resistant to change and computer has been known to facilitate changes. An estimate should be made of how strong the user is likely to move towards the development of computerized system. These are various levels of users in order to ensure proper authentication and authorization and security of sensitive data of the organization.

## **The prototyping model**

Prototyping Model is based on the idea of developing an initial implementation, exposing this to user comment and defining this through many until an adequate system has been developed.

### **Benefits of prototyping model**

The prototyping paradigm begins with requirements gathering. Developers and customers meet and define the overall objective for the software, identify the requirements and outline the areas where further definitions are necessary.

The prototype design, is often, quite different from that of the final system. The benefits of developing a prototype early in the software process are:

- Misunderstanding between software developers and users may be identified, as the functions are demonstrated.
- Missing user services may be detected.
- Difficult to use or confusing user services may be identified and refined.
- Software development staff may find incompleteness and inconsistency in requirement as the prototype is developed.
- A working albeit limited systems is available quickly to demonstrate the feasibility and usefulness of the application to the management.
- The prototype serves as a basis for writing the specification for a production quality system. Though the principle purpose of prototyping is to validate software requirements, software prototype also has other uses.
- A prototype system can be used for training users before the formal system has been delivered.
- Prototype can be run back-to-back tests. This reduces the need for tedious manual checking of test run. The same test is given to both the prototype and the system under test to look for differences in the final results and thereby making necessary changes. Thus prototype serves as a technique of risk reduction.

### **Selecting the prototype approach**

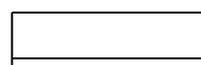
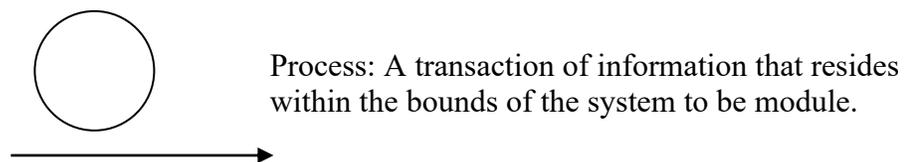
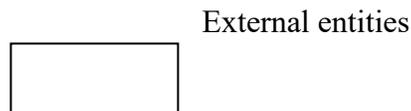
The prototype paradigm can be either close ended (throwaway prototyping) or open ended (evolutionary prototyping). Before selecting closed or open-ended approach, it is necessary to determine whether the system to be built is suitable for prototyping or not. This is decided depending on application area, complexity, and customer characteristics and projects characteristics. Prototyping or evolutionary prototyping. The throwaway is developed to understand the system requirements while the evolutionary prototype evolves through a number of versions to the final system

## Diagram

- The entire system is projected with a physical diagram which specifies the actual storage parameters that are physically necessary for any database to be stored on to the disk. The overall systems existential idea is derived from this diagram.
- The relation upon the system is structure through a conceptual ER-Diagram, which not only specifies the existential entities but also the standard relations through which the system exists and the cardinalities that are necessary for the system state to continue.
- The content level DFD is provided to have an idea of the functional inputs and outputs that are achieved through the system. The system depicts the input and output standards at the high level of the systems existence.

A DFD does not show a sequence of steps. A DFD only shows what the different process in a system is and what data flows between them.

The following are some DFD symbols used in the project



**DATASTORE:** A repository of data that is to be stored for use by one or more processes, may be as simple as buffer of queue or as a relational database.

## **RULES FOR DFD:**

- Fix the scope of the system by means of context diagrams.
- Organize the DFD so that the main sequence of the actions reads left to right and top to bottom.
- Identify all inputs and outputs.
- Identify and label each process internal to the system with rounded circles.
- A process is required for all the data transformation and transfers. Therefore, never connect a data store to a data source or the destinations or another data store with just a data flow arrow.
- Do not indicate hardware and ignore control information.
- Make sure the names of the processes accurately convey everything the process is done.
- There must not be unnamed process.
- Indicate external sources and destinations of the data, with squares.
- Number each occurrence of repeated external entities.
- Identify all data flows for each process step, except simple Record retrievals.
- Label data flow on each arrow.
- Use details flow on each arrow.
- Use the details flow arrow to indicate data movements.
- There can't be unnamed data flow.
- A data flow can't connect two external entities.

## **LEVELS OF DFD:**

The complexity of the business system means that it is a responsible to represent the operations of any system of single data flow diagram. At the top level, an Overview of the different systems in an organization is shown by the way of context analysis diagram. When exploded into DFD

They are represented by:

- LEVEL-0 : SYSTEM INPUT/OUTPUT
- LEVEL-1:SUBSYSTEM LEVEL DATAFLOW FUNCTIONAL
- LEVEL-2: FILE LEVEL DETAIL DATA FLOW.

The input and output data shown should be consistent from one level to the next.

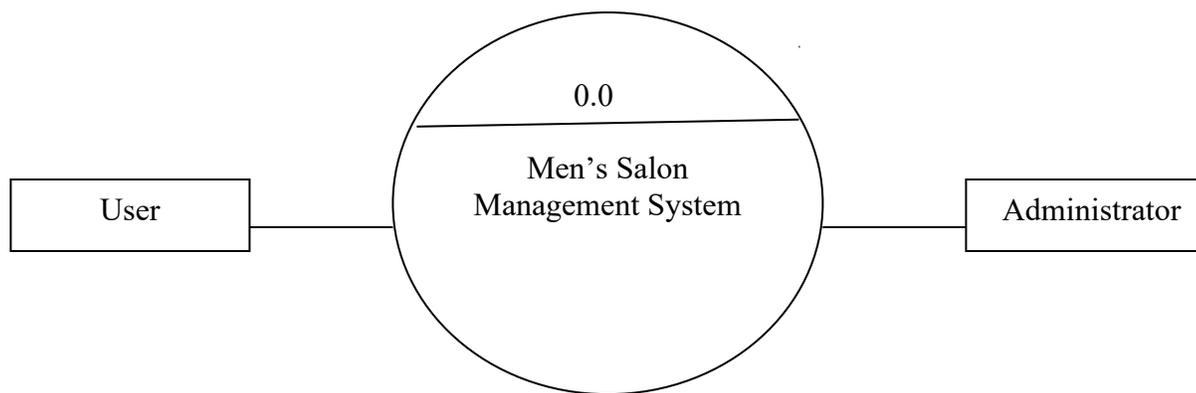
**LEVEL-0: SYSTEM INPUT/OUTPUT LEVEL**

A level-0 DFD describes the system-wide boundaries, dealing inputs to and outputs from the system and major processes. This diagram is similar to the combined user-level context diagram.

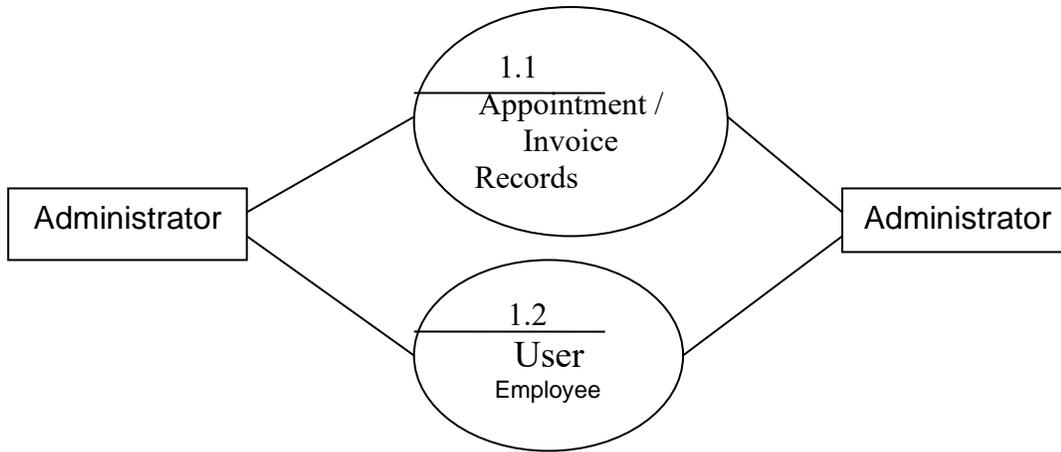
**LEVEL-1: SUBSYSTEM LEVEL DATA FLOW**

A level-1 DFD describes the next level of details within the system, detailing the data flows between subsystems, which make up the whole.

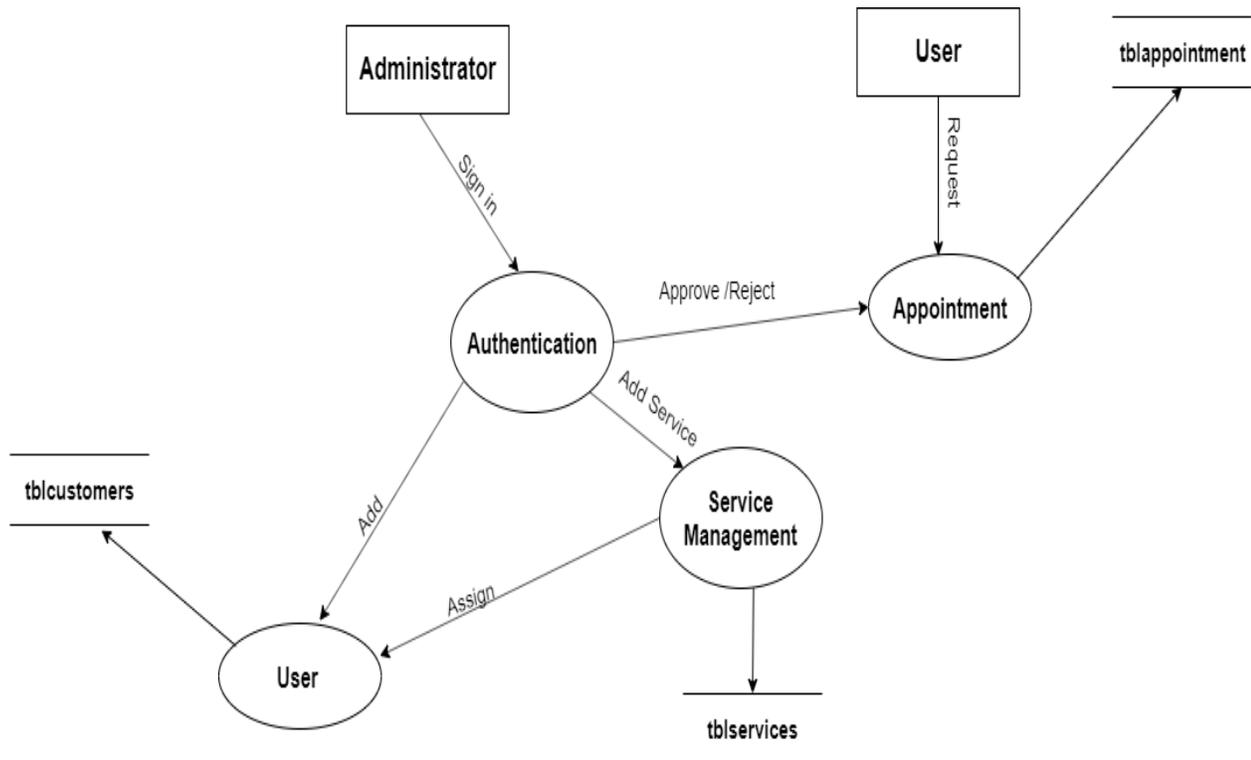
**0 Level Diagram**



# 1<sup>st</sup> Level Diagram



# 2<sup>nd</sup> Level Diagram



## **Unified Modelling Language Diagrams(UML):**

- The unified modelling language allows the software engineer to express an analysis model using the modelling notation that is governed by a set of syntactic semantic and pragmatic rules.
- A UML system is represented using five different views that describe the system from distinctly different perspective. Each view is defined by a set of diagram, which is as follows.

### **User Model View**

- i. This view represents the system from the users perspective.
- ii. The analysis representation describes a usage scenario from the end-users perspective.

### **Structural model view**

- ◆ In this model the data and functionality are arrived from inside the system.
- ◆ This model view models the static structures.

### **Behavioural Model View**

- ◆ It represents the dynamic of behavioural as parts of the system, depicting the interactions of collection between various structural elements described in the user model and structural model view.

### **Implementation Model View**

- ◆ In this the structural and behavioural as parts of the system are represented as they are to be built.

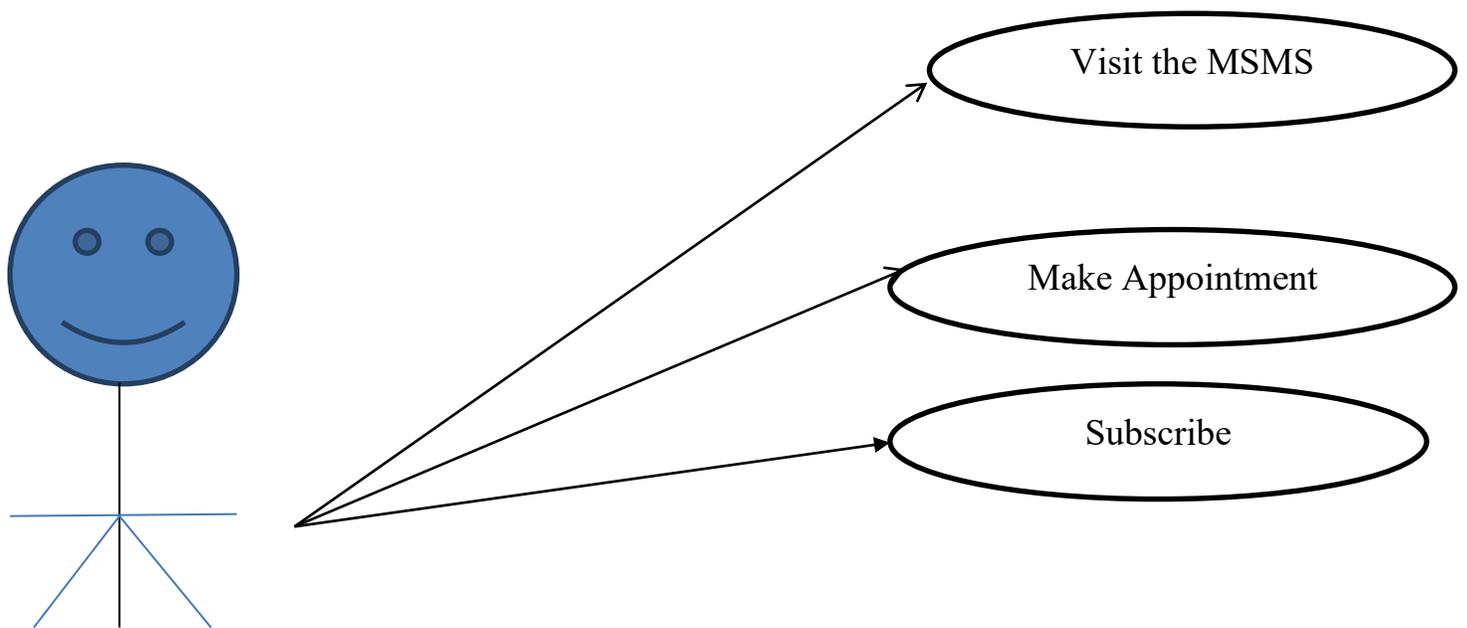
### **Environmental Model View**

In this the structural and behavioural aspects of the environment in which the system is to be implemented are represented.

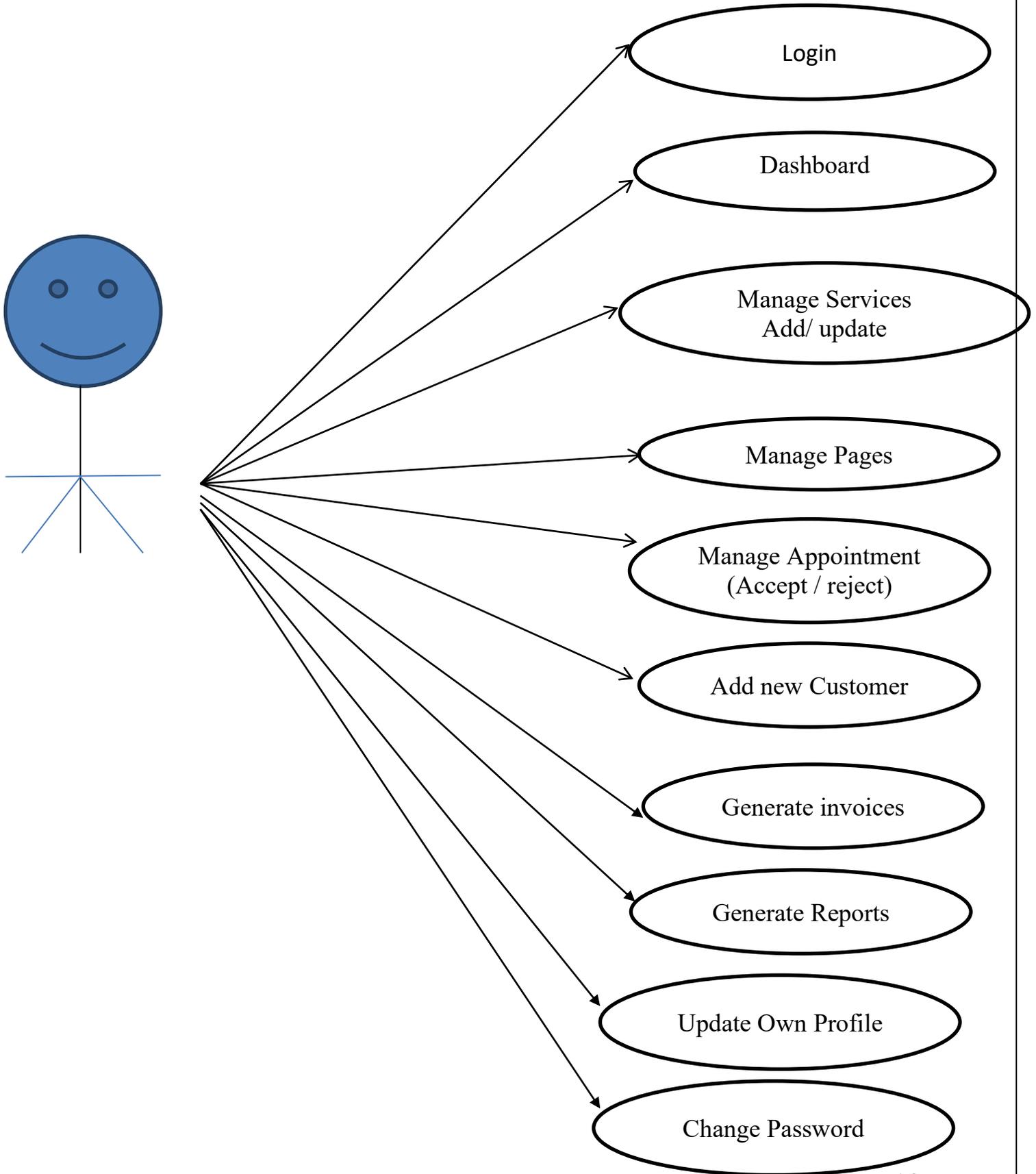
UML is specifically constructed through two different domains they are

- ◆ UML Analysis modelling, which focuses on the user model and structural model views of the system?
- ◆ UML design modelling, which focuses on the behavioural modelling, implementation modelling and environmental model views.

### Use Case Diagrams Use



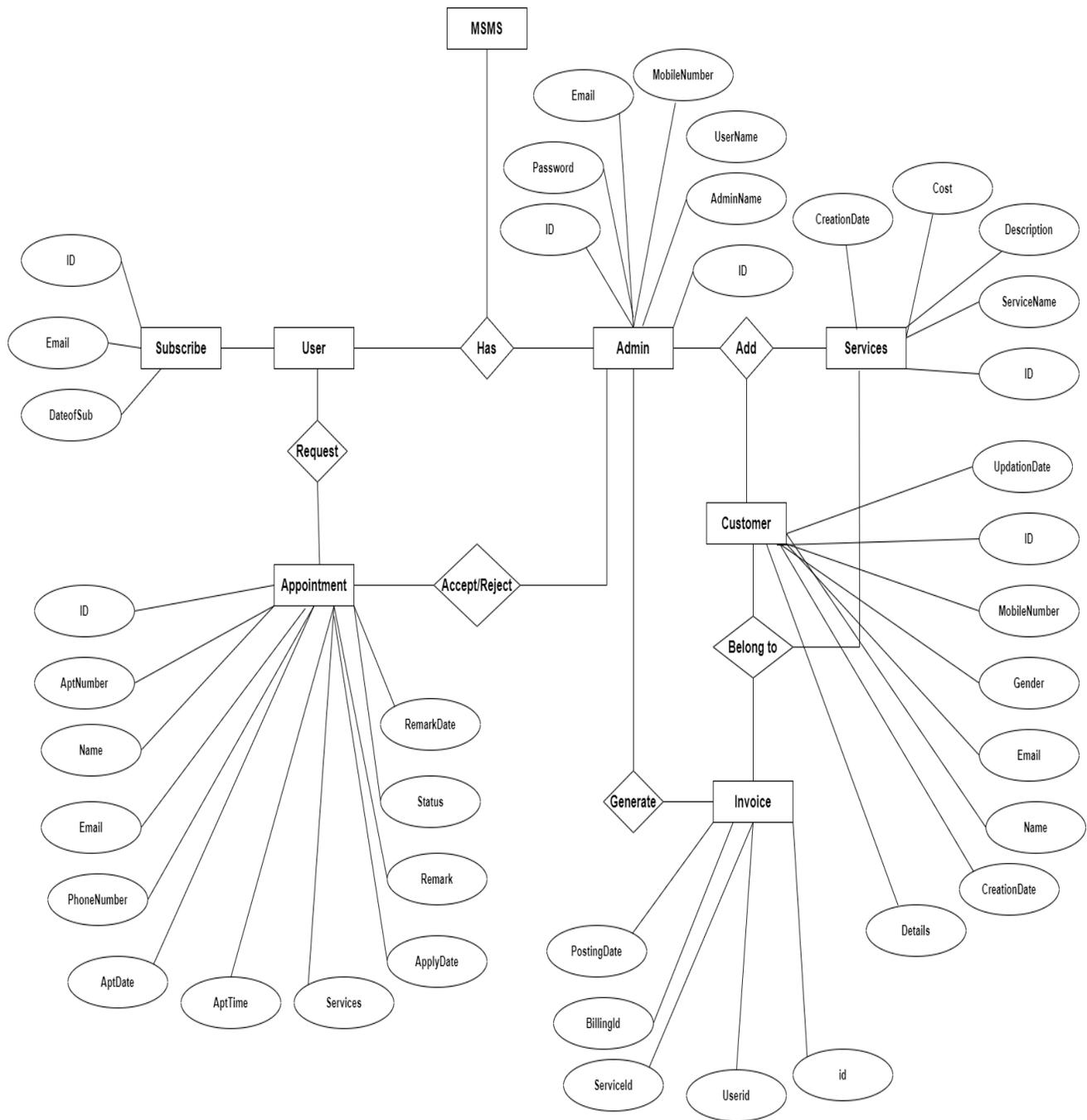
# Use Case Diagrams admin



## **ENTITY RELIIONSHIP DIAGRAM (ERD)**

### **Entity-Relationship Diagram**

- This document is an entity-relationship diagram, or “ERD,” for a system to manage Inventory Management System.
- An ERD is a model that identifies the concepts or entities that exist in a system and the relationships between those entities.
- An ERD is often used as a way to visualize a relational database: each entity represents a database table, and the relationship lines represent the keys in one table that point to specific records in related tables.
- ERD may also be more abstract, not necessarily capturing every table needed within a database, but serving to diagram the major concepts and relationships.
- This ERD is of the latter type, intended to present an abstract, theoretical view of the major entities and relationships needed for management of electronic resources.
- It may assist the database design process for an e-resource management system, but does not identify every table that would be necessary for an electronic resource management database.



## Database Design

The data in the system has to be stored and retrieved from database. Designing the database is part of system design. Data elements and data structures to be stored have been identified at analysis stage. They are structured and put together to design the data storage and retrieval system.

A database is a collection of interrelated data stored with minimum redundancy to serve many users quickly and efficiently. The general objective is to make database access easy, quick, inexpensive and flexible for the user. Relationships are established between the data items and unnecessary data items are removed. Normalization is done to get an internal consistency of data and to have minimum redundancy and maximum stability. This ensures minimizing data storage required, minimizing chances of data inconsistencies and optimizing for updates. The MS Access database has been chosen for developing the relevant databases.

### **Men's Salon Management System (MSMS) contains 7 MySQL tables :**

**tbladmin table Structure :** This table store the admin personal and login details

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	<b>ID</b> 	int(10)			No	None		AUTO_INCREMENT
2	<b>AdminName</b>	char(50)	latin1_swedish_ci		Yes	NULL		
3	<b>UserName</b>	char(50)	latin1_swedish_ci		Yes	NULL		
4	<b>MobileNumber</b>	bigint(10)			Yes	NULL		
5	<b>Email</b>	varchar(200)	latin1_swedish_ci		Yes	NULL		
6	<b>Password</b>	varchar(200)	latin1_swedish_ci		Yes	NULL		
7	<b>AdminRegdate</b>	timestamp			Yes	current_timestamp()		

**tblappointment table Structure :** This table store the user appointment details.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	<b>ID</b> 	int(10)			No	None		AUTO_INCREMENT
2	<b>AptNumber</b>	varchar(80)	latin1_swedish_ci		Yes	NULL		
3	<b>Name</b>	varchar(120)	latin1_swedish_ci		Yes	NULL		
4	<b>Email</b>	varchar(120)	latin1_swedish_ci		Yes	NULL		
5	<b>PhoneNumber</b>	bigint(11)			Yes	NULL		
6	<b>AptDate</b>	varchar(120)	latin1_swedish_ci		Yes	NULL		
7	<b>AptTime</b>	varchar(120)	latin1_swedish_ci		Yes	NULL		
8	<b>Services</b>	varchar(120)	latin1_swedish_ci		Yes	NULL		
9	<b>ApplyDate</b>	timestamp			Yes	current_timestamp()		
10	<b>Remark</b>	varchar(250)	latin1_swedish_ci		No	None		
11	<b>Status</b>	varchar(50)	latin1_swedish_ci		No	None		
12	<b>RemarkDate</b>	timestamp			No	0000-00-00 00:00:00		ON UPDATE CURRENT_TIMESTAMP()

**tblservices table Structure :** This table store the services details.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	<b>ID</b> 🔑	int(10)			No	None		AUTO_INCREMENT
2	<b>ServiceName</b>	varchar(200)	latin1_swedish_ci		Yes	NULL		
3	<b>Cost</b>	int(10)			Yes	NULL		
4	<b>CreationDate</b>	timestamp			Yes	current_timestamp()		

**tblcustomers table Structure :** This table store the customer details.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	<b>ID</b> 🔑	int(10)			No	None		AUTO_INCREMENT
2	<b>Name</b>	varchar(120)	latin1_swedish_ci		Yes	NULL		
3	<b>Email</b>	varchar(200)	latin1_swedish_ci		Yes	NULL		
4	<b>MobileNumber</b>	bigint(11)			Yes	NULL		
5	<b>Gender</b>	enum('Female', 'Male', 'Transgender')	latin1_swedish_ci		Yes	NULL		
6	<b>Details</b>	mediumtext	latin1_swedish_ci		Yes	NULL		
7	<b>CreationDate</b>	timestamp			Yes	current_timestamp()		
8	<b>UpdationDate</b>	timestamp			Yes	NULL		ON UPDATE CURRENT_TIMESTAMP()

**tblinvoice table Structure :** This table store the customer invoice details.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	<b>id</b> 🔑🔑	int(11)			No	None		AUTO_INCREMENT
2	<b>Userid</b>	int(11)			Yes	NULL		
3	<b>ServiceId</b>	int(11)			Yes	NULL		
4	<b>BillingId</b>	int(11)			Yes	NULL		
5	<b>PostingDate</b>	timestamp			Yes	current_timestamp()		

**tblpage table Structure :** This table store the pages information.

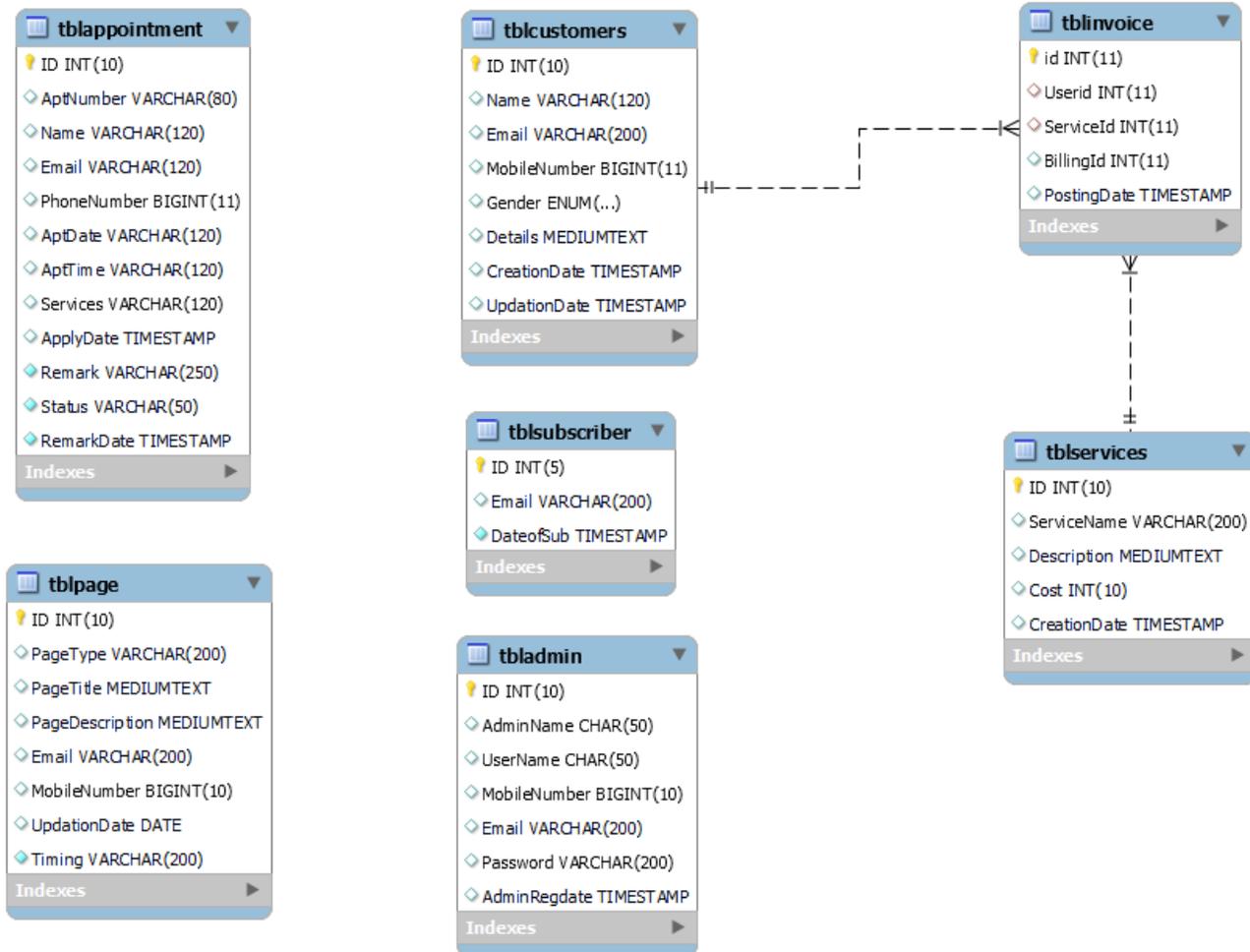
#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	<b>ID</b> 🔑	int(10)			No	None		AUTO_INCREMENT
2	<b>PageType</b>	varchar(200)	latin1_swedish_ci		Yes	NULL		
3	<b>PageTitle</b>	mediumtext	latin1_swedish_ci		Yes	NULL		
4	<b>PageDescription</b>	mediumtext	latin1_swedish_ci		Yes	NULL		
5	<b>Email</b>	varchar(200)	latin1_swedish_ci		Yes	NULL		
6	<b>MobileNumber</b>	bigint(10)			Yes	NULL		
7	<b>UpdationDate</b>	date			Yes	NULL		
8	<b>Timing</b>	varchar(200)	latin1_swedish_ci		No	None		

**tblsubscribe table Structure:** This table store emails of subscribers.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	ID	int(5)			No	None		AUTO_INCREMENT
2	Email	varchar(200)	utf8mb4_general_ci		Yes	NULL		
3	DateofSub	timestamp			No	current_timestamp()		

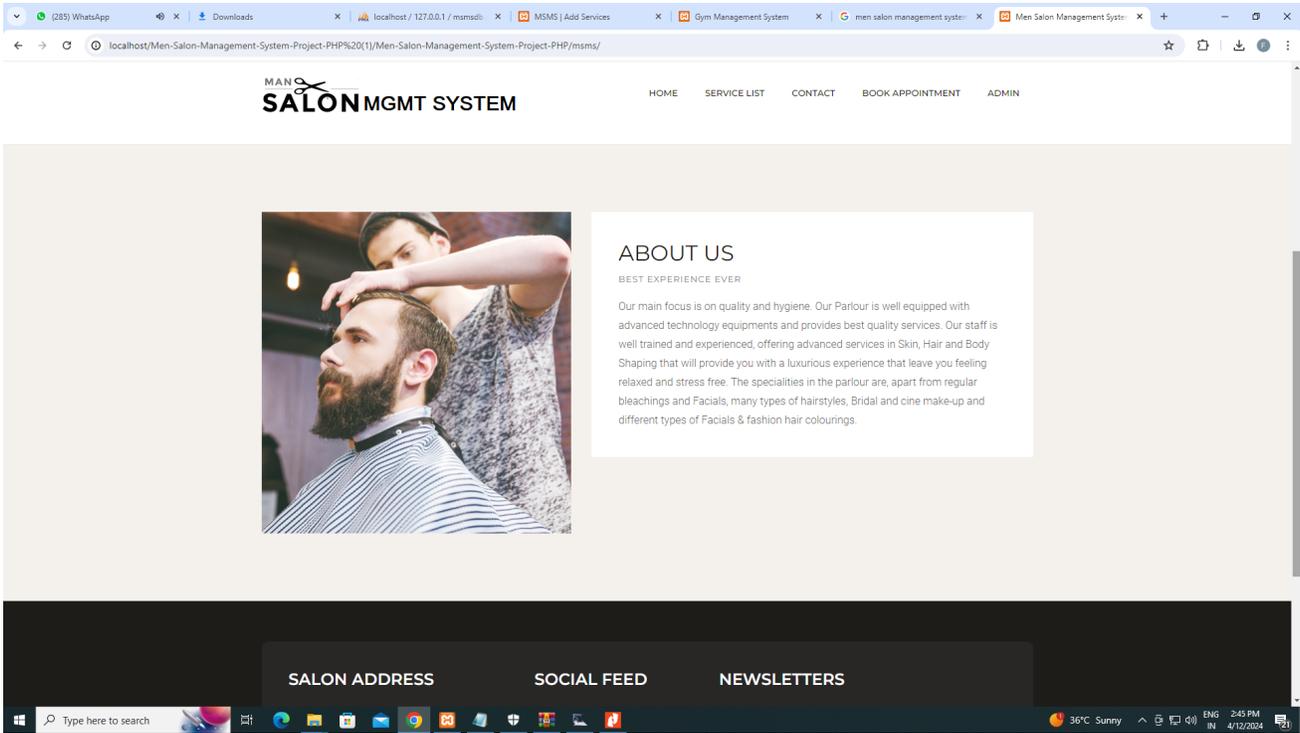
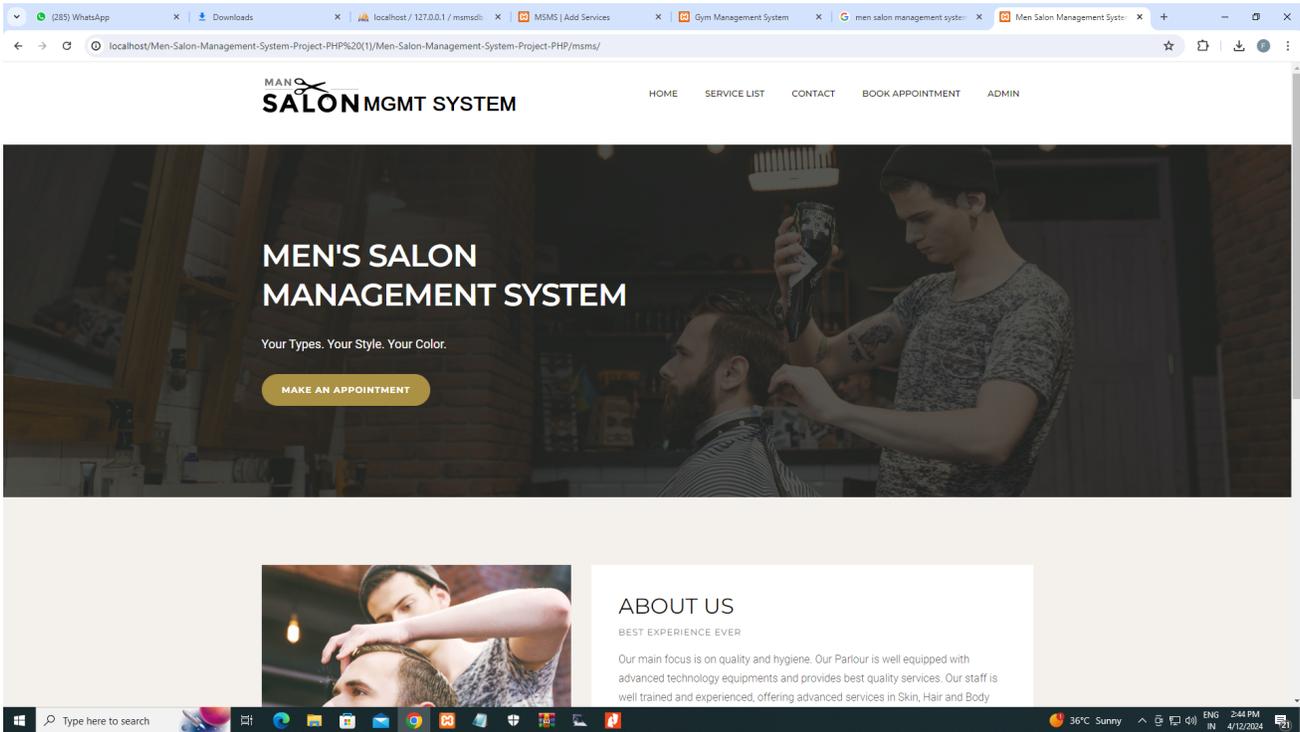
## Class Diagram:

The class diagram shows a set of classes, interfaces, collaborations and their relationships.

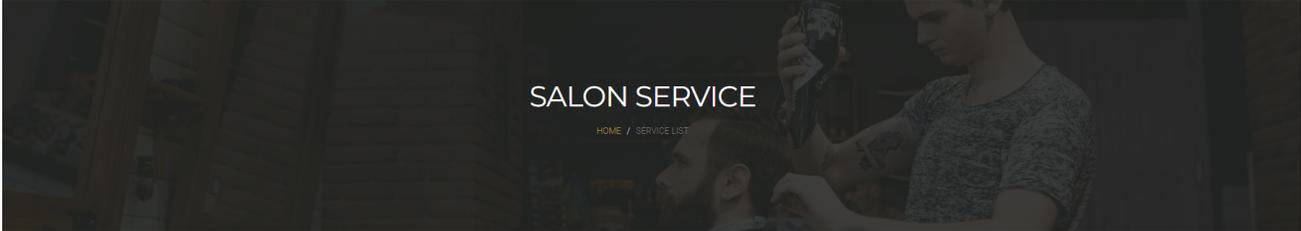


# Project Output Screenshots

## Home Page



# Salon service



## OUR SERVICE PRICES

Far far away, behind the word mountains, far from the countries Vokalia and Consonantia

#	Service Name	Service Price	Service Description
---	--------------	---------------	---------------------

# contact us

MAN SALON MGMT SYSTEM

HOME SERVICE LIST CONTACT BOOK APPOINTMENT ADMIN

## CONTACT US

HOME / CONTACT US

### CONTACT INFO

Address:  
890, Sector 62, Gyan Sarovar, GAIL  
Noida(Delhi/NCR)

Phone: 7896541236

Email  
info@gmail.com

Timing  
10:30 am to 8:30 pm

### ABOUT US

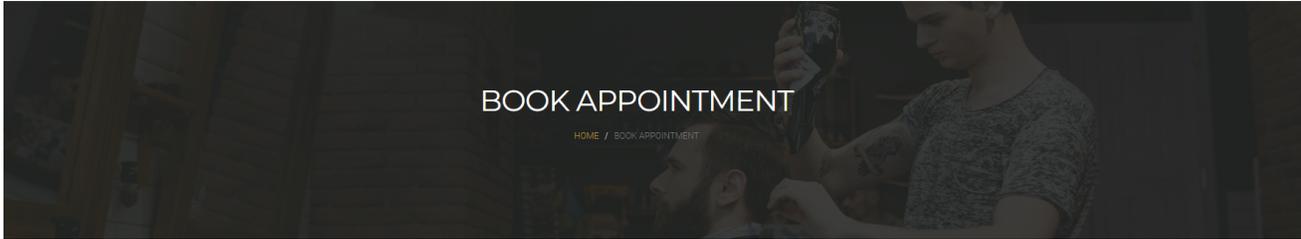
BEST EXPERIENCE EVER

Our main focus is on quality and hygiene. Our Parlour is well equipped with advanced technology equipments and provides best quality services. Our staff is well trained and experienced, offering advanced services in Skin, Hair and Body Shaping that will provide you with a luxurious experience that leave you feeling relaxed and stress free. The specialities in the parlour are, apart from regular bleachings and Facials, many types of hairstyles, Bridal and cine make-up and different types of Facials & fashion hair colourings.

Type here to search

36°C Sunny 2:48 PM IN 4/12/2024

# Book Appointment



## APPOINTMENT FORM

Book your appointment to save salon rush.

<b>NAME</b>	<b>PHONE</b>
<input type="text" value="Name"/>	<input type="text" value="Phone"/>
<b>EMAIL</b>	<b>SERVICES</b>
<input type="text" value="Email"/>	<input data-cs="2" data-kind="parent" type="text" value="Select Services"/>
<b>APPOINTMENT DATE</b>	
<input type="text" value="mm/dd/yyyy"/>	<input type="text" value=""/>
<b>APPOINTMENT TIME</b>	

## Admin Login

**SignIn Page**

Welcome back to MSMS AdminPanel !

[Sign In](#)

[Back to Home](#)  
[forgot password?](#)

## Dashboard

**MSMS**  
Admin Panel

**Admin**  
Administrator

Total <b>Customer</b>	<b>4</b>	Total <b>Appointment</b>	<b>0</b>	Total <b>Accepted Apt</b>	<b>0</b>
Total <b>Rejected Apt</b>	<b>0</b>	Total <b>Services</b>	<b>16</b>	Today <b>Sales</b>	<b>0</b>
Yesterday <b>Sales</b>	<b>0</b>	Last Sevendays <b>Sale</b>	<b>1120</b>	Total <b>Sales</b>	<b>1120</b>

© Mer's Salon Management System Admin Panel.

# Add Services

The screenshot shows the 'Add Services' page in the MSMS Admin Panel. The left sidebar contains navigation options: Dashboard, Services (Add Services, Manage Services), Pages, Appointment, Subscriber, Add Customer, Customer List, B/W Dates Report, Sales Report, Invoices, Search Appointment, and Search Invoice. The main content area is titled 'Add Services' and contains a form for adding a new service. The form has three input fields: 'Service Name', 'Description', and 'Cost', each with a placeholder text. Below the fields is a blue 'Add' button. At the bottom of the form area, there is a copyright notice: '© Men's Salon Management System Admin Panel.'

The screenshot shows the 'Manage Services' page in the MSMS Admin Panel. The left sidebar is the same as in the previous screenshot. The main content area is titled 'Manage Services' and contains a table for managing existing services. The table has five columns: '#', 'Service Name', 'Service Price', 'Creation Date', and 'Action'. The table contains 13 rows of service data. Each row has a corresponding 'Action' column with edit and delete icons.

#	Service Name	Service Price	Creation Date	Action
1	O3 Facial	120	2024-12-05 16:52:03	<a href="#">✎</a> <a href="#">🗑</a>
2	Fruit Facial	500	2024-12-05 16:52:03	<a href="#">✎</a> <a href="#">🗑</a>
3	Charcol Facial	1000	2024-12-05 16:52:38	<a href="#">✎</a> <a href="#">🗑</a>
4	Deluxe Menicure	500	2024-12-05 16:52:03	<a href="#">✎</a> <a href="#">🗑</a>
5	Deluxe Pedicure	600	2024-12-05 16:52:38	<a href="#">✎</a> <a href="#">🗑</a>
6	Normal Menicure	300	2024-12-05 16:52:38	<a href="#">✎</a> <a href="#">🗑</a>
7	Normal Pedicure	400	2024-12-05 16:52:38	<a href="#">✎</a> <a href="#">🗑</a>
8	Hair Cut	250	2024-12-05 16:52:38	<a href="#">✎</a> <a href="#">🗑</a>
9	Style Haircut	550	2024-12-05 16:52:38	<a href="#">✎</a> <a href="#">🗑</a>
10	Hair Wash	3999	2024-12-05 16:52:38	<a href="#">✎</a> <a href="#">🗑</a>
11	Loreal Hair Color(Full)	1200	2024-12-05 16:52:38	<a href="#">✎</a> <a href="#">🗑</a>
12	Body Spa	1500	2024-12-05 16:52:38	<a href="#">✎</a> <a href="#">🗑</a>
13	ABC	200	2024-12-05 16:52:38	<a href="#">✎</a> <a href="#">🗑</a>

# UpdateService

The screenshot shows the 'Add Services' page in the MSMS Admin Panel. The left sidebar contains a navigation menu with items: Dashboard, Services (expanded), Add Services, Manage Services, Pages, Appointment, Subscriber, Add Customer, Customer List, B/W Dates Report, Sales Report, Invoices, Search Appointment, and Search Invoice. The main content area is titled 'Add Services' and features a form for 'Salon Services'. The form includes fields for 'Service Name', 'Description', and 'Cost', each with a corresponding input box. An 'Add' button is located at the bottom of the form. The footer of the page reads '© Men's Salon Management System Admin Panel.' The browser's address bar shows the URL: localhost/Men-Salon-Management-System-Project-PHP%20(1)/Men-Salon-Management-System-Project-PHP/msms/admin/add-services.php. The Windows taskbar at the bottom shows the system tray with the date 4/12/2024 and time 3:09 PM.

The screenshot shows the 'Update About Us' page in the MSMS Admin Panel. The left sidebar is identical to the previous screenshot. The main content area is titled 'Update About Us' and features a form for 'Update About Us'. The form includes a 'Page Title' field with the value 'About Us' and a 'Page Description' field containing a rich text editor with the following text: 'Our main focus is on quality and hygiene. Our ParLOUR is well equipped with advanced technology equipments and provides best quality services. Our staff is well trained and experienced, offering advanced services in Skin, Hair and Body Shaping that will provide you with a luxurious experience that leave you feeling relaxed and stress free. The specialities in the parLOUR are, apart from regular bleachings and Facials, many types of hairstyles, Bridal and cine make-up and different types of Facials & fashion hair colourings.' An 'Update' button is located at the bottom of the form. The footer of the page reads '© Men's Salon Management System Admin Panel.' The browser's address bar shows the URL: localhost/Men-Salon-Management-System-Project-PHP%20(1)/Men-Salon-Management-System-Project-PHP/msms/admin/about-us.php. The Windows taskbar at the bottom shows the system tray with the date 4/12/2024 and time 3:05 PM.

# Contactus

The screenshot shows the 'Update Contact Us' page in the MSMS Admin Panel. The page has a blue sidebar with navigation options: Dashboard, Services, Pages (About Us, Contact Us), Appointment, Subscriber, Add Customer, Customer List, B/W Dates Report, Sales Report, Invoices, Search Appointment, and Search Invoice. The main content area is titled 'Update Contact Us' and contains a form with the following fields: Page Title (Contact Us), Email (info@gmail.com), Mobile Number (7896541236), Timing (10:30 am to 8:30 pm), and Page Description (890, Sector 62, Gyan Sarovar, GAIL Noida (Delhi/NCR)). An 'Update' button is located at the bottom of the form. The footer of the page reads '© Men's Salon Management System Admin Panel.' The browser's address bar shows the URL 'localhost/Men-Salon-Management-System-Project-PHP9620(1)/Men-Salon-Management-System-Project-PHP/msms/admin/contact-us.php'.

# Appointment

The screenshot shows the 'All Appointment' page in the MSMS Admin Panel. The sidebar is the same as in the previous screenshot, but the 'Appointment' menu item is expanded to show 'All Appointment', 'New Appointment', 'Accepted Appointment', and 'Rejected Appointment'. The main content area is titled 'All Appointment' and displays a table with the following columns: #, Appointment Number, Name, Mobile Number, Appointment Date, Appointment Time, and Action. The table is currently empty. The footer of the page reads '© Men's Salon Management System Admin Panel.' The browser's address bar shows the URL 'localhost/Men-Salon-Management-System-Project-PHP9620(1)/Men-Salon-Management-System-Project-PHP/msms/admin/all-appointment.php'.

# View New Appointment

The screenshot displays the MSMS Admin Panel interface. The browser's address bar shows the URL: localhost/Men-Salon-Management-System-Project-PHP%20(1)/Men-Salon-Management-System-Project-PHP/msms/admin/new-appointment.php. The page title is "New Appointment".

The sidebar on the left contains the following menu items:

- Dashboard
- Services
- Pages
- Appointment
  - All Appointment
  - New Appointment
  - Accepted Appointment
  - Rejected Appointment
- Subscriber
- Add Customer
- Customer List
- B/W Dates Report
- Sales Report
- Invoices
- Search Appointment

The main content area displays the "New Appointment" form. Below the form, there is a table with the following columns:

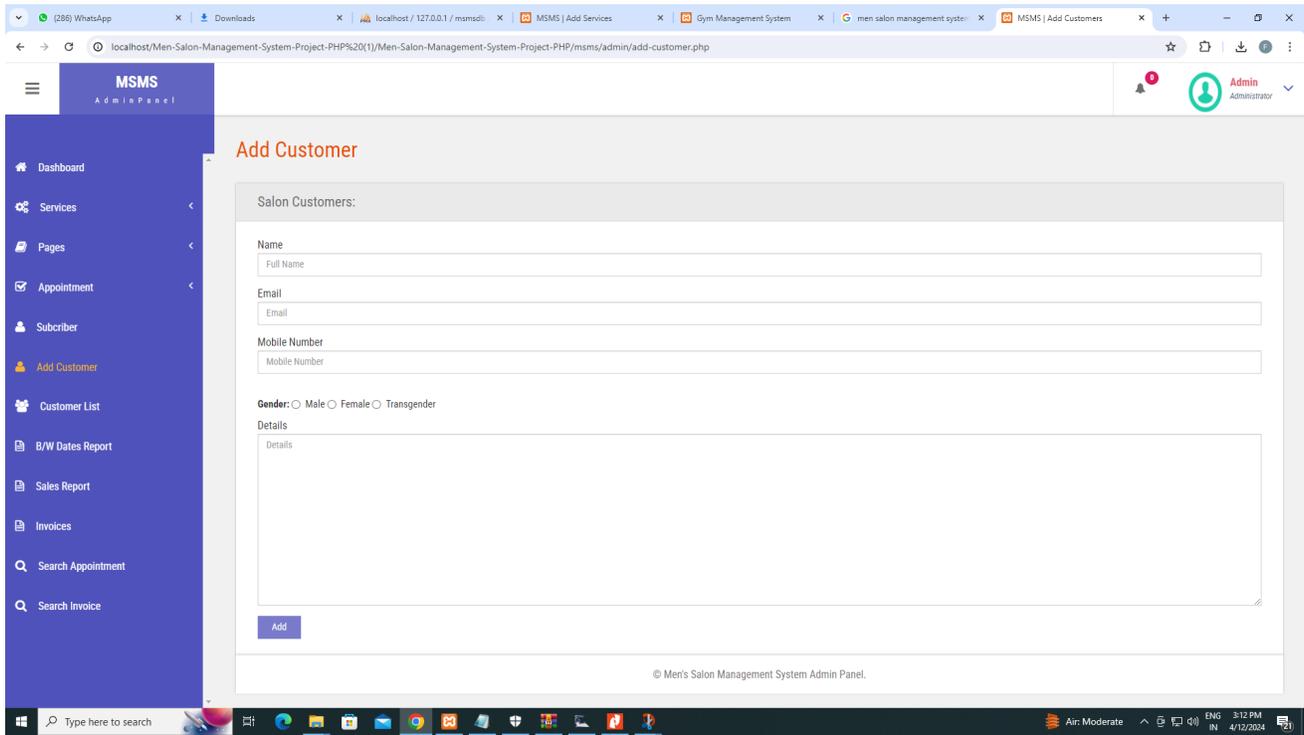
#	Appointment Number	Name	Mobile Number	Appointment Date	Appointment Time	Action
---	--------------------	------	---------------	------------------	------------------	--------

At the bottom of the page, there is a copyright notice: © Mer's Salon Management System Admin Panel.

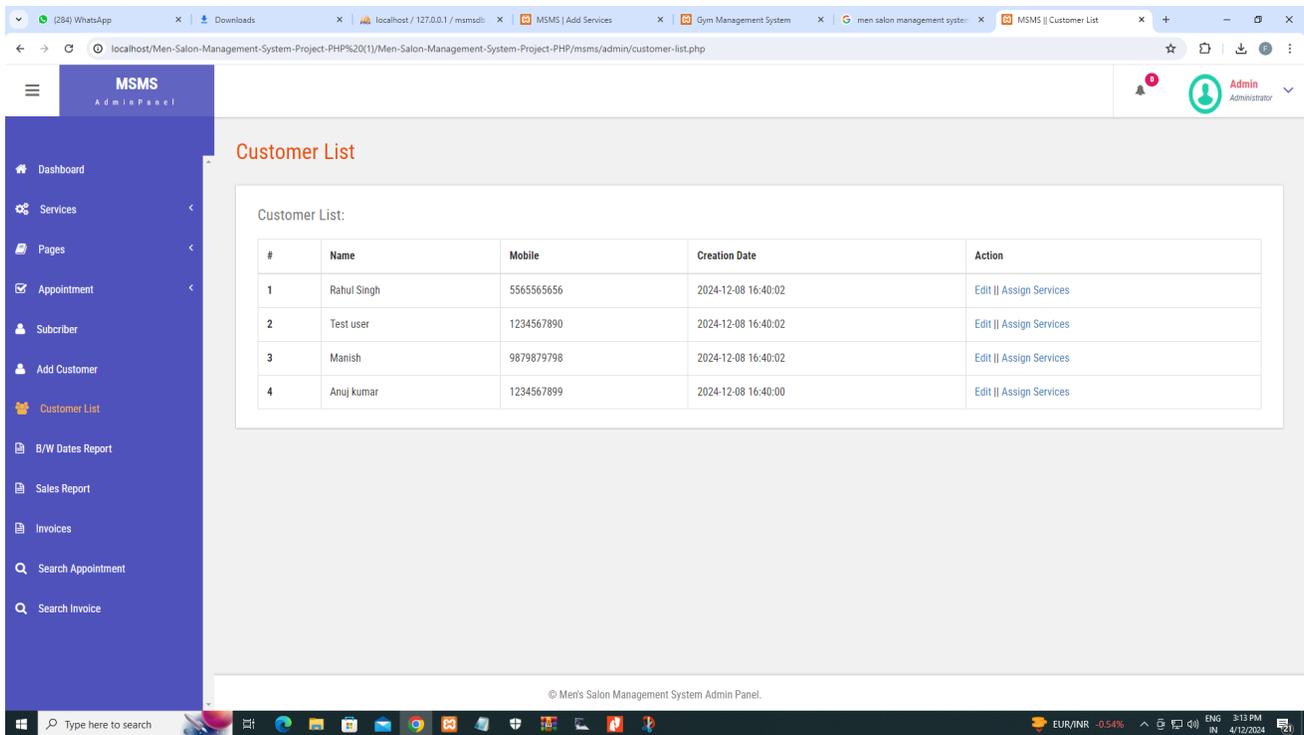
# View Old Appointment

The screenshot displays the MSMS Admin Panel interface. The top navigation bar includes the MSMS logo and the user's role, 'Admin Administrator'. The left sidebar lists various administrative functions such as Dashboard, Services, Pages, Appointment (with sub-options for All Appointment, New Appointment, Accepted Appointment, and Rejected Appointment), Subscriber, Add Customer, Customer List, B/W Dates Report, Sales Report, Invoices, and Search Appointment. The main content area is titled 'Accepted Appointment' and contains a table with the following headers: #, Appointment Number, Name, Mobile Number, Appointment Date, Appointment Time, and Action. The table is currently empty. The footer of the page reads '© Mer's Salon Management System Admin Panel.' The Windows taskbar at the bottom shows the system time as 3:12 PM on 4/12/2024.

# Add Customer



# Customer List



# Assign Services

board **MSMS**  
Admin Panel

- Services
- Pages
- Appointment
- Subscriber
- Add Customer
- Customer List
- Reports
- Invoices
- Search Appointment
- Search Invoice

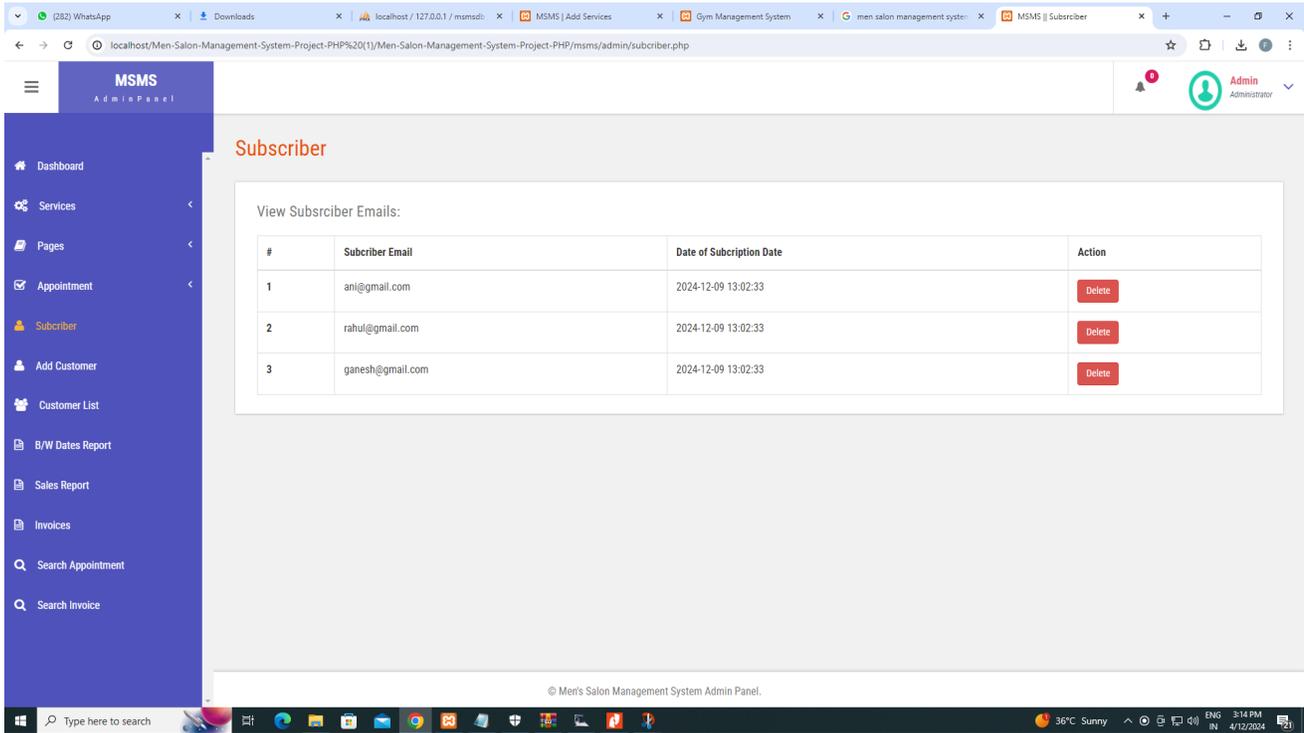
3  test Administrator

## Assign Services

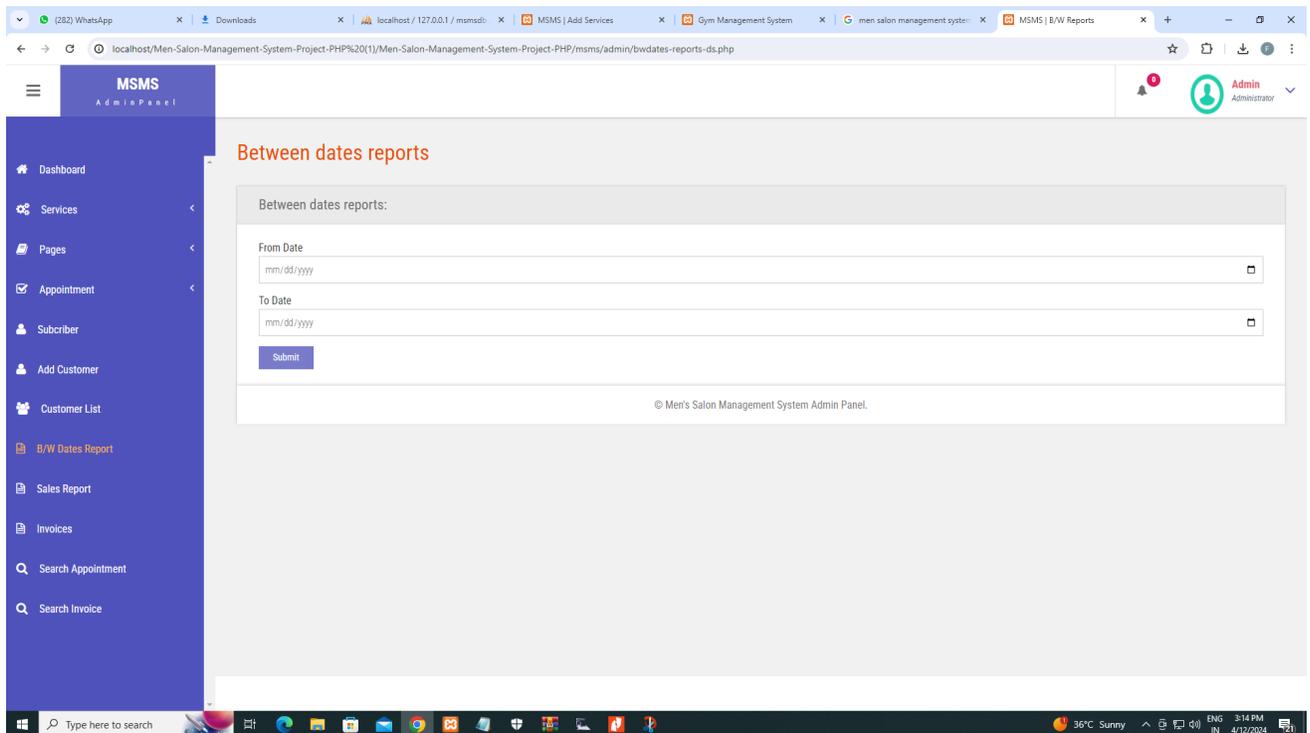
Assign Services:

#	Service Name	Service Price	Action
1	O3 Facial	120	<input type="checkbox"/>
2	Fruit Facial	500	<input type="checkbox"/>
3	Charcol Facial	1000	<input type="checkbox"/>
4	Deluxe Menicure	500	<input type="checkbox"/>
5	Deluxe Pedicure	600	<input type="checkbox"/>
6	Normal Menicure	300	<input type="checkbox"/>
7	Normal Pedicure	400	<input type="checkbox"/>
8	Hair Cut	250	<input type="checkbox"/>
9	Style Haircut	550	<input type="checkbox"/>
10	Hair Wash	3999	<input type="checkbox"/>
11	Loreal Hair Color(Full)	1200	<input type="checkbox"/>
12	Body Spa	1500	<input type="checkbox"/>
13	Test	100	<input type="checkbox"/>
14	ABC	200	<input type="checkbox"/>
15	Tradinational Cut	45	<input type="checkbox"/>
16	MUSTACHE TRIM	85	<input type="checkbox"/>
17	Beard Trim	10	<input type="checkbox"/>
18	frg	20	<input type="checkbox"/>

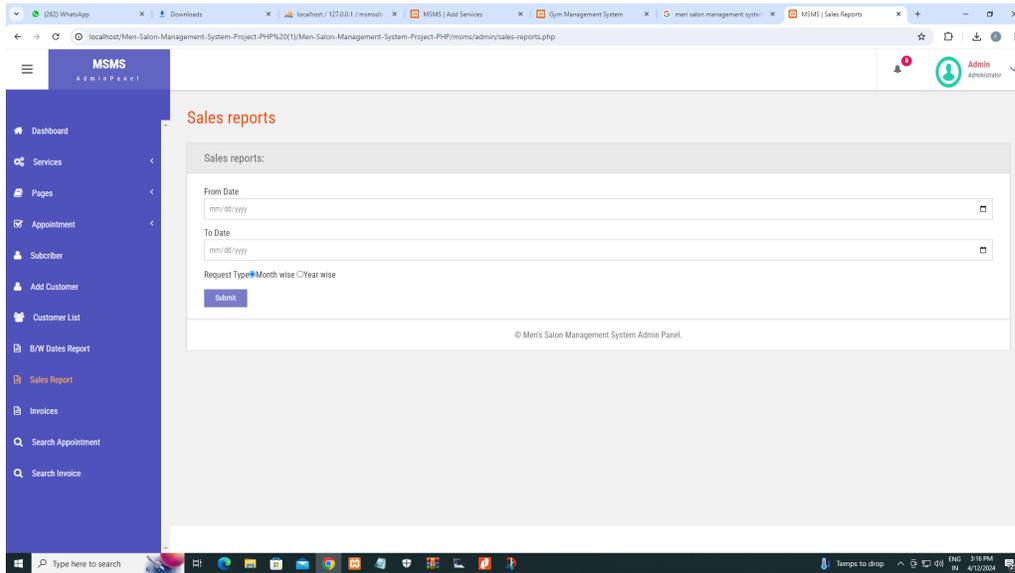
# Subscriber



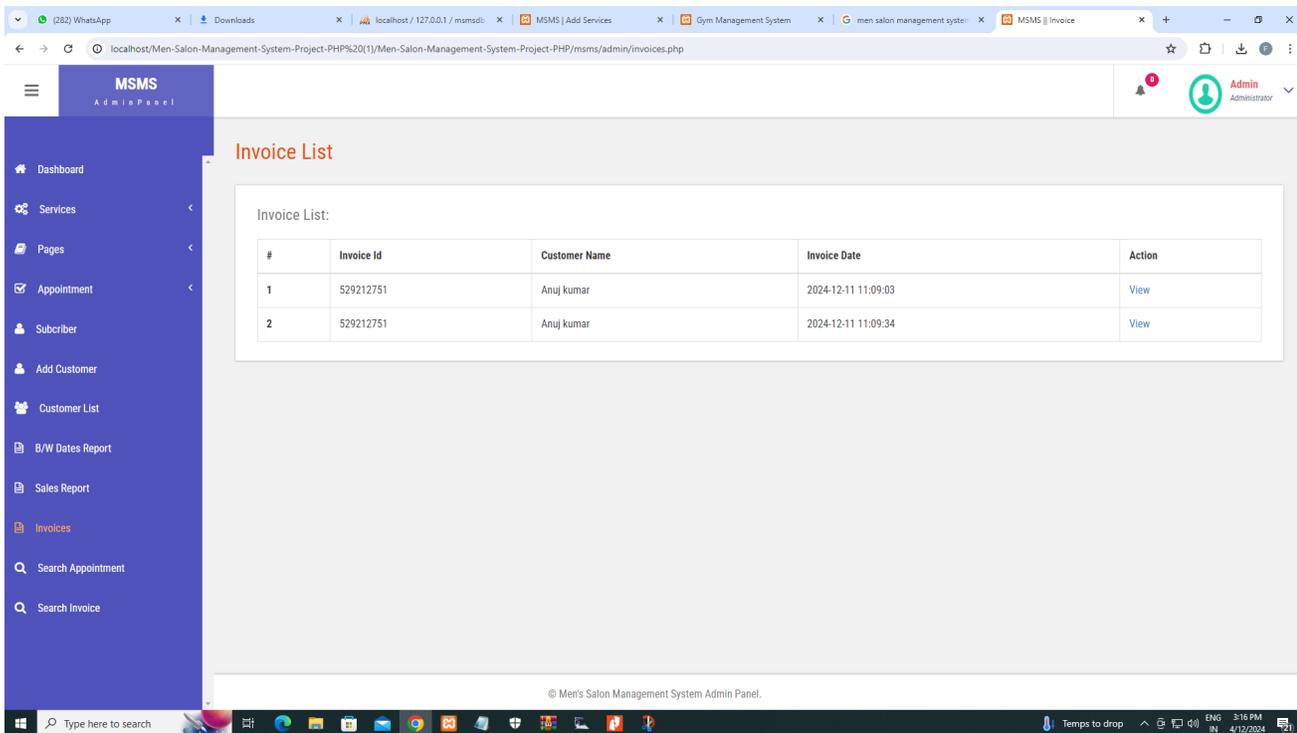
# Between Dates Reports



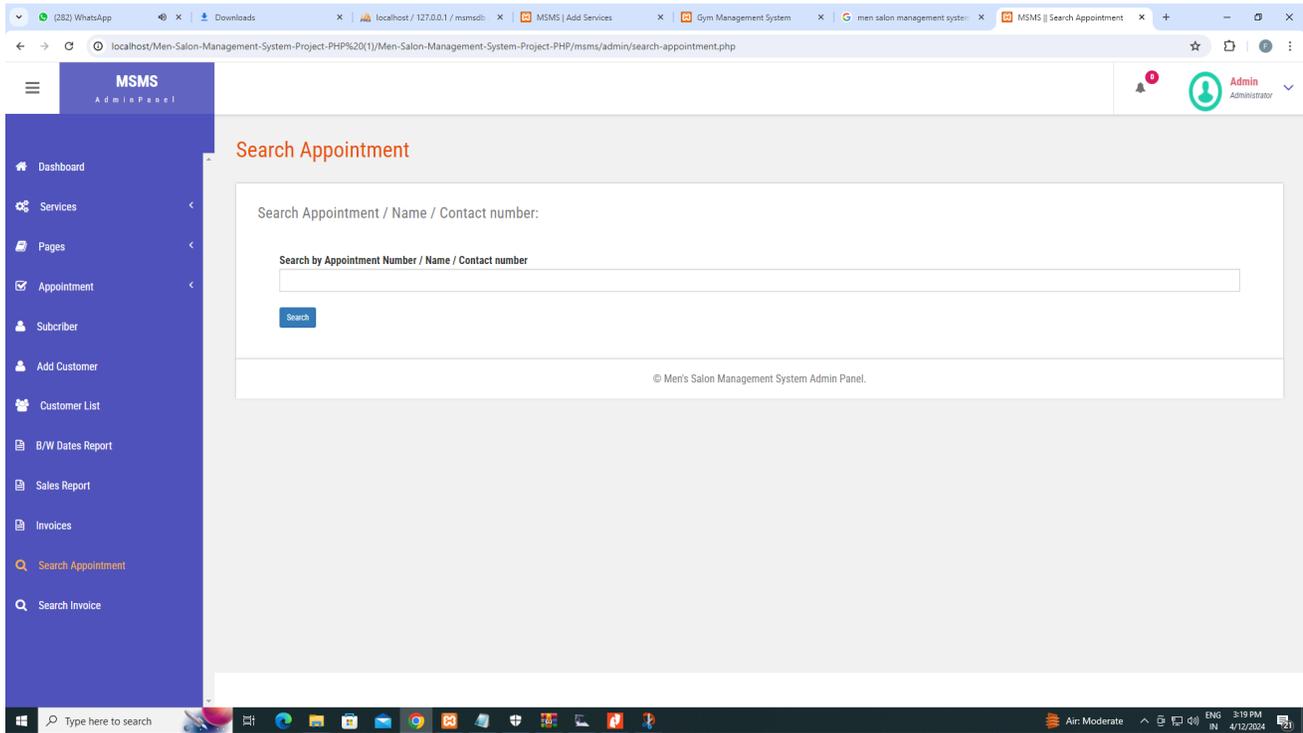
# Detail of Sales Report



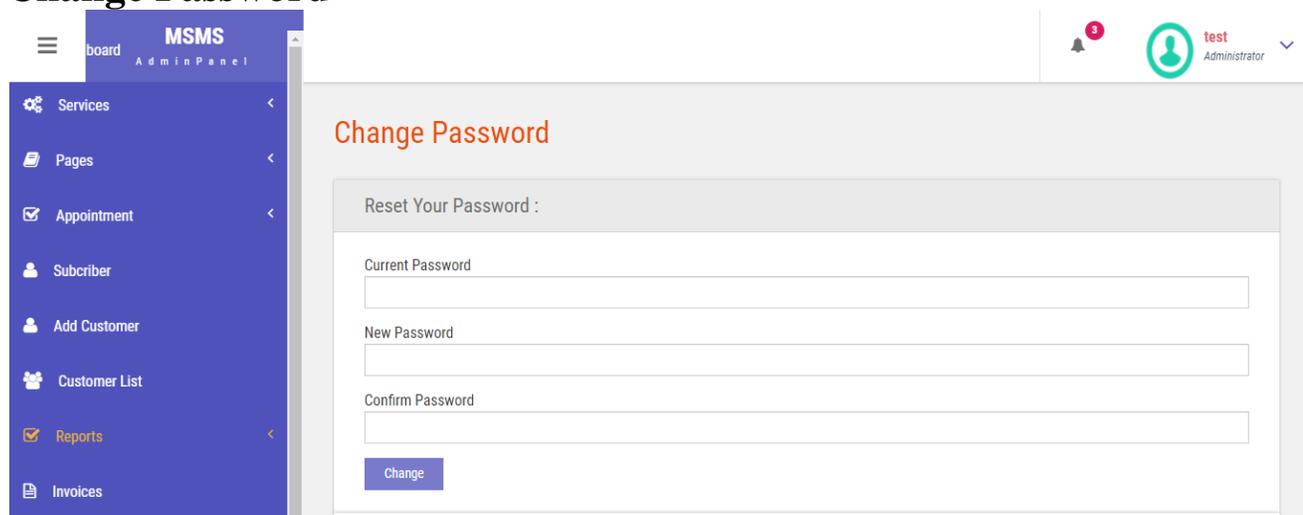
# Invoice List



# Search Appointement



# Change Password



# Profile

**MSMS**  
Admin Panel

board

Services <

Pages <

Appointment <

Subscriber

Add Customer

Customer List

Reports <

Invoices

Search Appointment

## Admin Profile

Update Profile :

Admin Name  
test

User Name  
admin

Contact Number  
7898799798

Email address  
tester1@gmail.com

Update

# Forgot Password

## Forgot Page

Forgot Password Reset It !

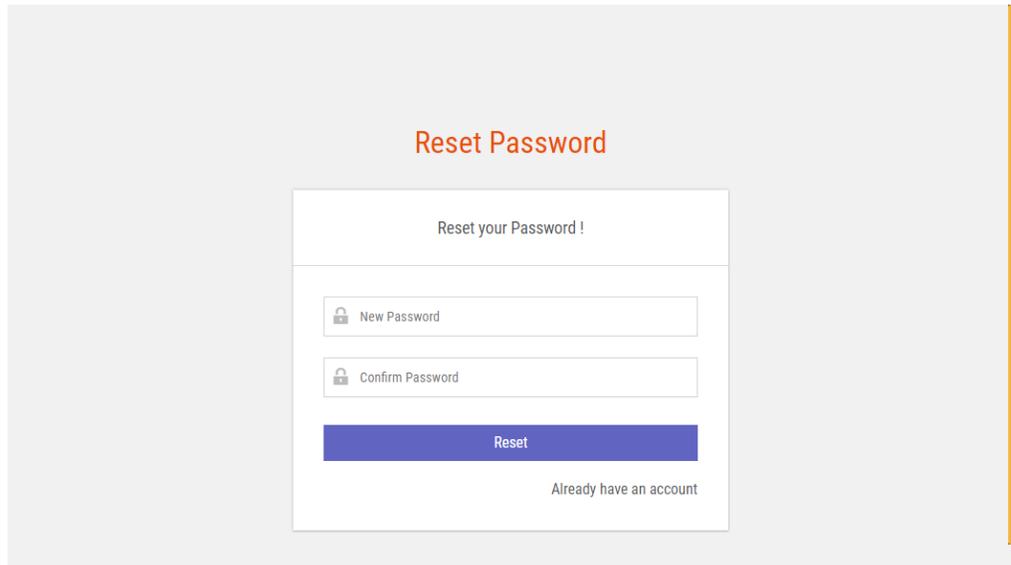
Email

Mobile Number

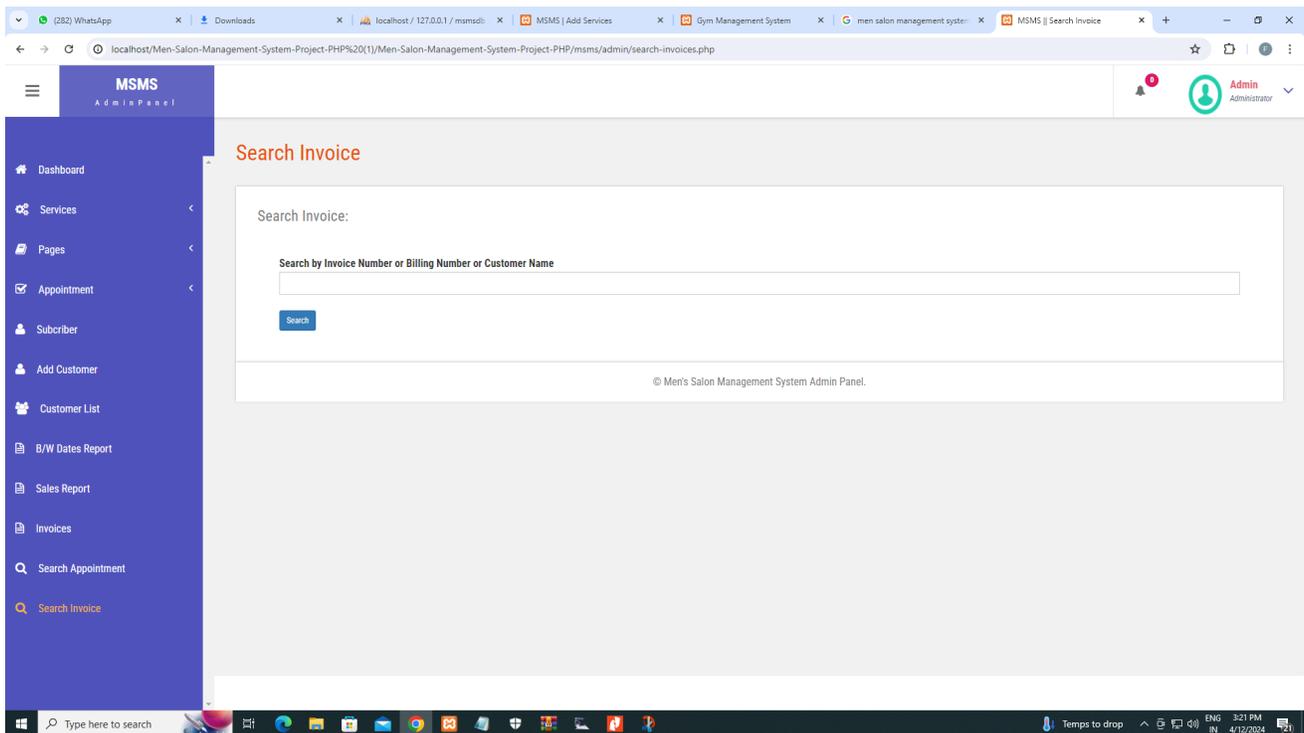
Reset

[Already have an account](#)

# Reset Password



# Search Invoice



# System Implementation Phase

## 1. HTML

### WHAT IS HTML?

To publish information for global distribution, one needs a universal-understood language, a kind of publishing mother tongue that all computers may potentially understand. The publishing language used by the World Wide Web is HTML (Hyper Text Markup Language)

### HTML Gives Authors the Means To

1. Publish online documents with headings, text, tables, list, photos etc.
2. Retrieve online information via hypertext links, at the click of a button
3. Design forms for conducting transactions with remote services, for use in searching information, making reservation, ordering products etc.;
4. Includes spreadsheets, video clips, sound clips, and other applications directly in the documents.
- 5.

### Some HTML Tags

<HTML>	:Starting an HTML tag
<HEAD>	: Creating a web page's head
<TITLE>	: Giving a web page 's body
</HEAD>	: Ending a web pages head
</BODY>	: Ending a web pages body
</HTML>	:Ending a web page
<FORM>	: Creating a HTML forms
<INPUT TYPE=BUTTON>	: Creating a buttons
<INPUT TYPE=CHECKBOX>	: Creating a checkboxes
<INPUT TYPE=SUBMIT>	: Creating a submit button
<INPUT TYPE=TEXT>	: Creating a text fields

### HTML 4.0

HTML 4.0 extends with mechanisms for style sheets, scripting, frames embedding objects, improved support for right to left and mixed direction texts, richer tables and enhancements to form, offering improved accessibilities for people with disability.

## **2. INTRODUCTION TO JAVA SCRIPT**

### **WHAT IS JAVA SCRIPT?**

JavaScript, originally supported by Netscape Navigator, is the most popular Web scripting language today. JavaScript lets you embed programs right in your Web pages and run these programs using the Web browser. You place these programs in a <SCRIPT> element. If you want the script to write directly to the Web page, place it in the <BODY> element.

```
EX: <HTML>
    <HEAD>
        <TITLE></TITLE>
    </HEAD>
    <BODY>
        <SCRIPT LANGUAGE="JavaScript">
        </SCRIPT>
    </BODY></HTML>
```

### **JAVASCRIPTS OBJECTS**

JavaScript is an object-oriented language. JavaScript comes with a number of predefined objects.

Objects of the JavaScript

1. Document: Corresponds to the current Web page's body. Using this object, you have access to the HTML of the page itself, including the all links, images and anchors in it.
2. Form: Holds information about HTML forms in the current page.
3. Frame: Refers to a frame in the browser's window.
4. History: Holds the records of sites the Web browser has visited before reaching the current page.
5. Location: Holds information about the location of the current web page.
6. Navigator: Refers to the browser itself, letting you determine what browser the user has.
7. Window: Refers to the current browser window.

## JAVASCRIPTS EVENTS

Some of the events of JavaScript

1. on Change: Occurs when data in a control, like a text field, changes.
2. on Click: Occurs when an element is clicked.
3. on Focus: Occurs when an element gets the focus.
4. on Mouse Down: Occurs when a mouse button goes down.
5. on Reset: Occurs when the user clicks the reset button.

## JAVASCRIPTS FUNCTIONS

Declaration of function

Syntax: function function name ()

```
{  
  ...  
  ...  
}
```

Write these functions in <SCRIPT> tag.

## 5.RDBMS CONCEPTS

### 1. DATA ABSTRACTION

A major purpose of a database system is to provide users with an abstract view of the data. This system hides certain details of how the data is stored and maintained. However in order for the system to be usable, data must be retrieved efficiently. The efficiency lead to the design of complex data structure for the representation of data in the database. Certain complexity must be hidden from the database system users. This accomplished by defining several levels of abstraction at which the database may be viewed.

## 2. CLASSIFICATION OF DATABASE

There are 3 types of database approaches given below,

### a. Hierarchical Database:

In this type of model data is represented in simple tree structured. The record at the top of three is known as root, the root may have any number of dependents. Each of these may have any number of low level dependents and so on up to any number of levels. The disadvantages of the approach are that no independent record occurrence can exist without it's superior.

### b. Network Database:

In a Network database, data is represented by Network structure. In this approach record occurrence can have any number of superiors as well as any number of immediate dependents thus allow many to many correspondence directly than an hierarchical approach. The main disadvantage of the Network model is data representation is very complex resulting in complexity of the DML (Data Manipulation Language).

### c. Relational Database:

The Relational model represents data and relationships among data by a collection of tables each of which has a number of columns with unique names.

## 6.THE SQL LANGUAGE

SQL is a language for relational database. SQL is a non-procedural i.e., when we use SQL we specify what we want to be done not how to do it.

### Features of SQL

1. SQL is an interactive query language.
2. SQL is a database administration language.
3. SQL is a database programming language.
4. SQL is a client/server language.
5. SQL is a distributed database language.
6. SQL is a database gateway language.

## **Basic SQL Commands**

- ✓ Data Definition Language commands (DDL)
- ✓ Data Manipulation Language commands (DML)
- ✓ Transaction Control Language commands (TCL)
- ✓ Data control Language commands (DCL)

## **PHP**

- PHP is an acronym for "PHP: Hypertext Preprocessor"
- PHP is a widely-used, open source scripting language
- PHP scripts are executed on the server
- PHP is free to download and use

### **What is a PHP File?**

- PHP files can contain text, HTML, CSS, JavaScript, and PHP code
- PHP code are executed on the server, and the result is returned to the browser as plain HTML
- PHP files have extension ".php"

### **What Can PHP Do?**

- PHP can generate dynamic page content
- PHP can create, open, read, write, delete, and close files on the server
- PHP can collect form data
- PHP can send and receive cookies
- PHP can add, delete, modify data in your database
- PHP can be used to control user-access
- PHP can encrypt data

With PHP you are not limited to output HTML. You can output images, PDF files, and even Flash movies. You can also output any text, such as XHTML and XML.

# Testing

## Testing of System

Testing is asset of activities that can be planned in advanced and conducted systematically.

For this reason a template for software testing a set into which we can specific test case design techniques and testing methods should be defined for the software process.

A strategy for software testing must accommodate low-level test that are necessary to verify that a small source code segment can be correctly implemented as well as high –level tests that validate major system functions against customer requirements.

## Types of Testing

### 1. Alpha Testing: -

Testing after code is mostly complete or contains most of the functional and prior to end user being involved. More often this testing will be performed in house or by an outside testing firm in close cooperation with the software engineering department.

### 2. Beta Testing: -

Testing after the product is code complete. Betas are often widely distributed or even distributed to the public at large in hopes that they will buy the final product when it is released.

### 3. Functional Testing: -

Testing two or more modules together with the intent of finding defects, demonstrating that defects are not present, verifying that the modules performs its intended functions as stated in the specification and establishing confidence that a program does what it is supposed do.

### 4. Configuration Testing: -

Testing to determine how well the product works with a broad of the hardware/peripheral equipment configurations as on the different operating systems and software.

### 5. Pilot Testing: -

Testing that involves the users just before actual release to ensure that users become familiar with the release contents and ultimately accept it. Typically involves many users, is conducted over a short period of time and is tightly controlled.

## **6. System Integration Testing: -**

Testing a specific hardware/software installation. This is typically performed on a COTS system or any other system comprised of the disparate parts where custom configurations and /or unique installation are the norm .

## **7. Software Testing: -**

The process of exercising software is with the intent of ensuring that the software system meets its requirements and the user expectations and doesn't fail in an unacceptable manner .

## **8. Security testing: -**

Testing of database and network software in order to keep company data and resources from mistaken/ accidental users, hackers and other malevolent attackers.

## **9. Installation Testing: -**

Testing with the intent of determining if the product will install on a variety of platforms and how easily it installs .

## **10. Compatibility Testing: -**

Testing used to determine whether other system software components such as browsers, utilities and competing software would conflict with the software being tested.

## **Conclusion**

The demand of Web application for application is increasing day by day in Software industry, due to high expectations of client companies.

Hence an attempt of automating an office application had added to our learning experience.

It has also helped in adopting an analytical approach to solving and made us realize that system development is a step by step process,

Thereby appreciating the role of SDLC model in organizing the complex process of system development into manageable chunks. Indeed it was a great learning experience.

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