

# **1.INTRODUCTION**

## **1. INTRODUCTION**

Car Servicing is very crucial for the proper functioning of the car. Also, it will run for longer period of time, if you keep getting it done regularly. Thanks to the technology and new ideas, we can do everything online.

Now a days, technology is on a boost. People wish to live a luxurious life with minimum physical work. Here we provide a Web application for “Online Car Service Booking”. The proposed application will enable any car user to book his car for service. The user can register his car, can book for service. The user can send request for pick and drop, book appointment for servicing. The admin processes these requests and gives a response back to the user.

### **1.1. OVERVIEW OF THE SYSTEM**

Earlier, it was common that you went to take your car for servicing. Even if it was a general checkup, the mechanics over there would delay the work. Well, not purposefully but because they have a lot of other cars lined up. Thus, we would always not receive our car on time.

The Existing system does not have a proper online booking system for workshops. It is completely manually functioning. There are few websites which are only for few specific companies or brands which accepts few specific vehicles for service. Currently there is no online booking car service workshops available. If a customer who does not give his vehicle to the authorized service center, and if he wants to sell his vehicle to someone but he does not have any evidence for any of his repairs in the vehicle.

### **1.2. OBJECTIVES**

This project aims to provide a car servicing system that is more efficient than the current one. The current systems for managing service centers have certain drawbacks. The current approach is semi-manual and relies solely on paper and computers for all tasks.

- a. Following auto repair, customer is unable to view job card details.
- b. Aside from offering customers alternative components, the current system does not give them access to any service history.
- c. The bill only displays details about further sections.
- d. Service-related records are manually maintained.

The online auto servicing system makes up for these drawbacks. Additionally, it can be conveniently made available to everyone. The user of this system can make reservations.

The purpose of this project is to provide Car servicing system more effectively than the existing system. There are some disadvantages of the existing service centre management systems.

- a. Existing system is semi-manual, and all work is done by paper and computer system.
- b. Customer can't see Job card details after servicing of car.
- c. Only additional parts details can be viewed in bill.
- d. Records are stored manually regarding service.
- e. Existing system is time consuming and not user friendly.
- f. Existing system does not provide any service history, other than any additional parts to the customer.

These disadvantages are overcome by the online car service system. And it can be made handily available to every person. In this system the customer can book his vehicle for service and write all his complaints. The customer can suggest which mechanic he wants, and he can see which mechanic is servicing his vehicle and who is delivering his vehicle from the workshop to his house. The main property of this system is that the customer can see his service history and it will be useful when he is selling his vehicle.

It will maintain vehicle and customer details as well as bookings. The system aims to improve customer satisfaction compared to the existing manual process.

## **2. SYSTEM ANALYSIS**

## **2.1. INTRODUCTION**

System analysis is the detailed study of the various operation performed by the system and their relationship within and outside the system. Analysis is the process of breaking something into its part so that the whole may be understood. System analysis is concerned with becoming aware of the problem, identifying the relevant and most decisional variables, analysing and synthesizing the various factors and determining an optional or at least a satisfactory solution. During this a problem is identified, alternate system solutions are studied, and recommendations are made about committing the resources used to design system.

## **2.2. EXISTING SYSTEM**

In the existing system, more manual work is needed. The data and files are to be recorded by manual works. Customers must visit the car showroom for knowing the details of cars that they need. There are few websites which are only for few specific companies or brands which accepts few specific vehicles for service. Currently there is no online booking car service workshops available. If a customer who does not give his vehicle to the authorized service center, and if he wants to sell his vehicle to someone but he does not have any evidence for any of his repairs in the vehicle.

## **2.3. PROPOSED SYSTEM**

As the name specifies “Online Car Service Booking” is an online portal developed for managing the functions of car services. It has user friendly interface. In this system the customer can book his vehicle for service and write all his complaints. The customer can suggest which mechanic he want, and he can see which mechanic is servicing his vehicle and who is delivering his vehicle from the workshop to his house. The main property of this system is that the customer can see his service history and it will be useful when he is selling his vehicle.

### **2.3.1. Justifications for the proposed system**

This project starts with login section with form. The user will login with his/her respective username and password. Then they can access the system according to their privilege. This feature helps the users to improve their skills. If a user entered wrong username or password, then the system will inform the user about the wrong username

or password and will allow that user to access the system. This system will ensure security. This system will improve the technical knowledge of user.

### **2.3.2. Benefits of the proposed system**

This application can be used for the user of Online Car Service Booking to control the system. Computer based information system is designed to improve the existing system. Some benefits of the proposed system are as follows:

- Reduce the workload for the users and all the works are computerized All the tasks are done by the automated system.
- Time Saving- The computerized system is time saving.
- The system only allows an authorized user to access the system.
- Easy to handle and flexible.
- User friendly for the users to handle it.

## **2.4. FEASIBILITY STUDY**

In feasibility study, I analyse the feasibility of proposed system that is whether it satisfies all the necessary requirements.

### **2.4.1. Introduction**

A feasibility analysis usually involves a thorough assignment of the operational, financial and technical aspects of a proposal. Feasibility study is the test of the system proposal made to identify whether the system will be cost effective from a business point of view and whether it can be developed with the given budgetary constraints. A feasibility study should be relatively cheap and done at the earliest possible time. Depending on the study, the decision is made whether to go ahead with a more detailed analysis.

When a new project is proposed, informally goes through feasibility assignment. Feasibility study is carried out to determine whether the proposed system is possible to develop with available resources and what should be the cost consideration. Facts considered in the feasibility analysis were

- Technical feasibility
- Economic feasibility
- Operational feasibility

#### **2.4.2. Technical feasibility**

Technical feasibility deals with the hardware as well as software requirements. Technology is not a constraint to system development. We have to find out whether a necessary technology, the proposed requirement has the capacity to hold the data, which is used in the project, should be checked to carry out this technical feasibility. In my system the technical feasibility is all the data are to be correct because of the automation of the system.

#### **2.4.3. Economical feasibility**

The feasibility study presents the tangible and intangible benefits by comparing the development and operational cost. The technique of cost benefits analysis is often used as a basis for assessing economic feasibility. This system needs some more initial investment than the existing system, but it can be justifiable that it will improve quality of service.

#### **2.4.4. Operational feasibility**

This analysis involves how it will work when it is installed and the assessment of political and managerial environment in which it is implemented. People are inherently resistant to change, and computers have been known to change. The new proposed system is very much useful to the user and therefore it will accept broad audience from around the world. In my system the operational feasibility is done in the reports like ticketing etc...

### **2.5. ANALYSIS MODELLING**

In this part we analyse the efficiency of the project or the proposed system with different diagrams to see whether they can be accepted, or it satisfies the management's requirements. The various diagrams used in analysis model is explained in the following section:

#### **2.5.1. Data Flow Diagram**

A Data Flow Diagram (DFD) is a diagram that describes the flow of data and the processes that change data throughout a system. It's structured analysis and design tool that can be used for flowcharting in place of or in association with information oriented and process-oriented system flowcharts. When analyst prepares the Data Flow Diagram, they specify the user needs at a level of detail that virtually determines the information flow into and out of the system and

the required data resources. This network is constructed by using a set of symbols that do not imply physical implementations. The Data Flow Diagram reviews the current physical system, prepares input and output specification, specifies the implementation plan etc.

Four basic symbols are used to construct Data Flow Diagram. The circle, or bubble, represents a transformation process, and the label inside the bubble describes the process, using an active verb to do so. Data flows are directed lines that identify the input data flows and output data flows at each process bubble. Data storage is represented by an open-ended rectangle with label that identifies the data store, or file. The square is labeled to identify an external entity that is a source or destination of a data flow.

### Features of DFD

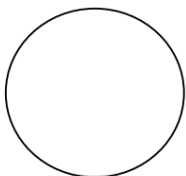
- Information and/or data flow is represented by a labeled arrow.
- Processes (transformations) are represented by labeled circles (bubbles).
- Information sources and sinks are represented by boxes.
- Files and depositories are represented by a rounded rectangle or a double line.



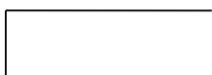
A square represents a data source or destination



A directed line represents a flow of data, that is, a data stream



A circle, or a “bubble”, represents a process that informs data streams.




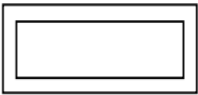
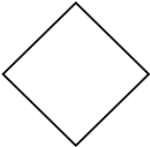
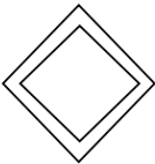

An open-ended rectangle represents a data store.



### 2.5.2. ER Diagram

Entity-Relationship Diagram is a popular high-level conceptual data model. This model and its variations are frequently used for the conceptual design of database applications, and many database design tools employ its concepts. The ER model describes data as entities, relationships, and attributes.

The notations used to prepare ER model are given below: -

| Symbols   | Meaning                  |
|---|--------------------------|
|    | Entity                   |
|   | Weak Entity              |
|  | Relationship             |
|  | Identifying Relationship |
|  | Attribute                |



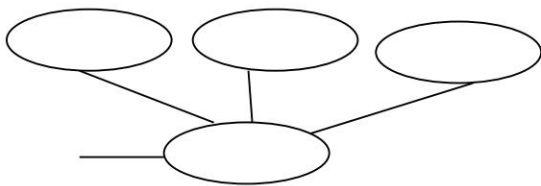
Key Attribute (Primary Key)



Key Attribute (Foreign Key)



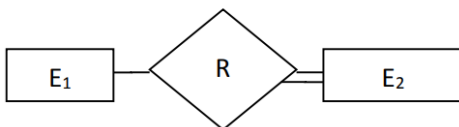
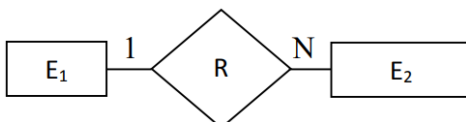
Multi valued Attribute



Composite Attribute



Derived Attribute

Total Participation of  $E_2$  in  $R$ Cardinality Ratio 1:N for  $E_1:E_2$  in  $R$

## 2.6. SYSTEM SPECIFICATION

In this section the hardware and software requirements essentially needed for the proposed system, or the project is described.

### 2.6.1. Software and Hardware Specification

The section of hardware is very important in the existence and proper working of any software. When selecting hardware, the size and requirements are also important.

#### ➤ Software Requirements

|                  |            |
|------------------|------------|
| Operating System | Windows 10 |
| Front end        | HTML       |
| Back end         | PHP        |
| Developing tools | Wamp2.2e   |
| Database         | MySQL.     |

#### ➤ Hardware Requirements

|                   |              |
|-------------------|--------------|
| ➤ Processor       | ➤ I5         |
| ➤ Hard disk space | ➤ 20 GB      |
| ➤ RAM             | ➤ 8 GB (min) |
| ➤ Display         | ➤ LED        |
| ➤ Clock speed I5  | ➤ 1.67       |

### 2.6.2. Software Overview

#### 2.6.2.1. Introduction to Visual Studio Code

Visual Studio is a Integrated Development Environment (IDE) developed by Microsoft to develop GUI (Graphical User Interface), console, Web applications, web apps, mobile apps, cloud, and web services etc. With the help of this IDE, you can create managed code as well as native code. It uses the various platforms of Microsoft software development software like Windows store, Microsoft Silverlight, and Windows API etc. It is not a language specific IDE as you can use this to write code in C#, C++, VB(Visual Basic), Python, JavaScript, and many

more languages. It provides support for 36 different programming languages. It is available for Windows as well as for macOS.

#### 2.6.2.2. SQL Server

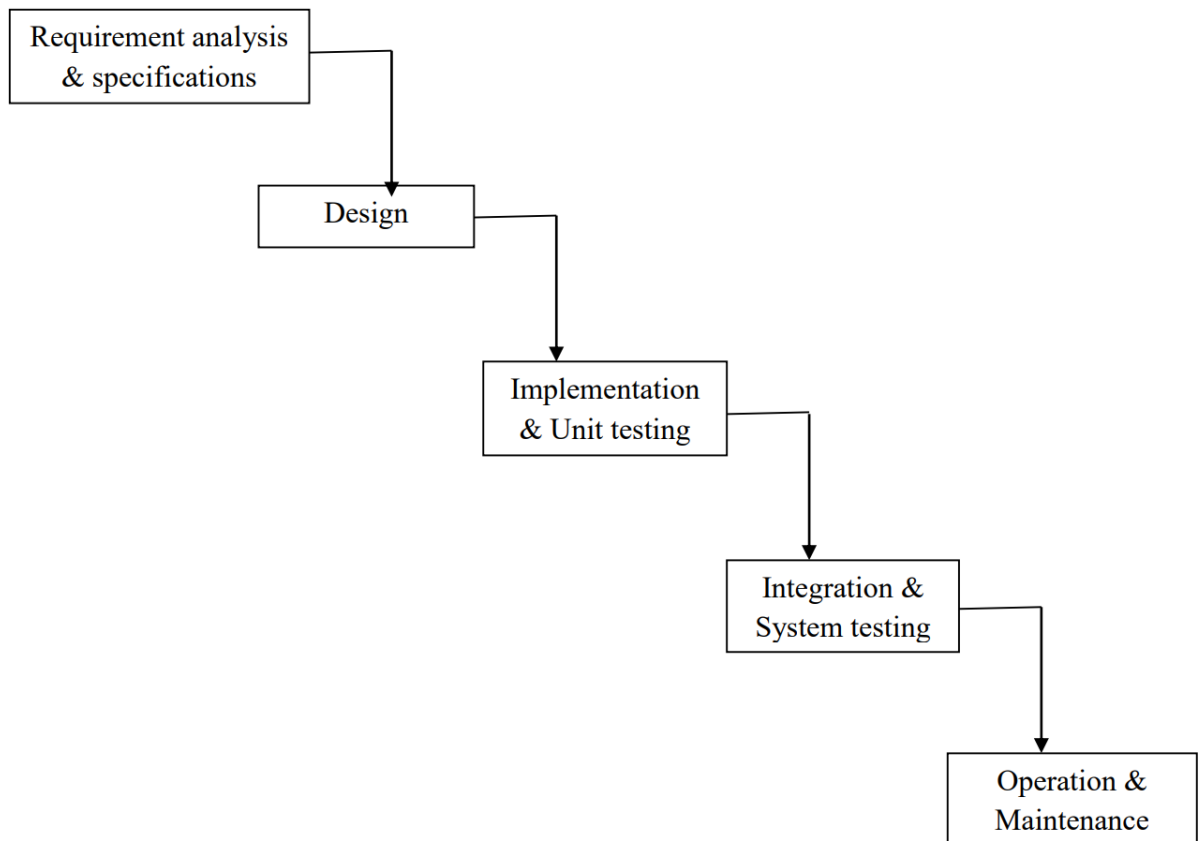
SQL Server 2008 (code –named as Yukon) is the recently released SQL Server product. SQL Server 2008 can be accurately described as a relational database system for an enterprise data platform. Additionally, it offers support for developing robust serverside applications. SQL Server is not just a simple RDBMS but also provides reporting capabilities, data analysis and mining and features for processing data while waiting for data synchronization with the front-end application.

##### Features of SQL Server

- Easy Installation - SQL Server 2008 provides a set of administrative and development tools for easy installation, deployment and management.
- Integration with internet
- SQL Server has a database engine which is a core integral part of the RDBMS and stores data in tables
- Scalability and Availability
- Support for the Client/Server model
- SQL Server is designed to follow the Client/Server model
- Operational system Compatibility
- Since SQL Server 2008 is Microsoft product, it is compatible with Windows NT server 4, and Windows 2000
- Business services

## 2.7. S/W ENGINEERING PARADIGM APPLIED

The most familiar model is the waterfall model. This model has five phases: Requirements analysis and specification, design, implementation and unit testing, integration and system testing, operation and maintenance.



- Requirement analysis and specification phase

This phase produces a larger document written in a natural language which contains the entire system analysis and the document is known as Software Requirement Specification or SRS. It act as contract between customer and developer.

- Design Phase

The goal of this phase is to transform the SRS into a structure suitable for implementation. Overall software architecture is defined works are performed. Output of this phase is known as Software Design Description (SDD).

- Implementation and Unit Testing

The design is implemented, and the system is subjected to unit testing. Unit testing is the process of testing the small modules for checking errors.

- Integration and System Testing

It is a very important phase as the effective testing will deliver a high-quality software product, user satisfaction, no maintenance cost, and more reliable result. It is very expensive. It is performed to determine whether the interface between the modules are correct. System testing is testing the entire system before delivery of the software.

- Operation and Maintenance phase

It is a task that every development team has to face when the product is delivered to the customer and is operational. Software maintenance is a broad activity which includes error correction, capability enhancement and optimization.

### **3. SYSTEM DESIGN**

### **3.1. INTRODUCTION**

Design is an activity of translating the specifications generated in the software requirement analysis into specific design. The design involves designing a system that satisfies customer requirements.

In order to transform requirements into a working system we must satisfy the customer and the system builders of the development team. The customer understands what to do. At the same time the system developers will understand what the system will do. For this process the system design is a two-way process.

### **3.2. OUTPUT DESIGN**

Computer output is the most important direct source of information to the user. Output design is a very important phase since the output needs to be in an attractive manner. Efficient and intelligent output design improves the system relationship with the user and the helps in decision making.

### **3.3. INPUT DESIGN**

In the input design the inputs needed for the project is added. The input includes different types of resources. The input resources included in my project is images, text file and these are included into the project. The user must enter their email and password in the login page. Once entries are entered, they were stored in the data base so that a user who already logged into the project can easily access the project.

### **3.4. DATABASE DESIGN**

In the database section of the project the database needed for the project is included. It mainly contains the log in section in which the user enters email and password. When user enters his username and password corresponding page will be displayed automatically because it is set as default. The database design mainly includes the table used for storing the values of log- in section.



### 3.4.1. TABLE STRUCTURES

There are 4 tables in Online car service booking, where all the tables are in the normal form. These tables are used to store necessary data. The tables are as follows:

1. login
2. register
3. service
4. staff

1. Table name: login

Description: Used to store login details

Primary key: reg\_id

| Field     | Data type | Size | Constraints | Field Description      |
|-----------|-----------|------|-------------|------------------------|
| lid       | int       | 20   | NOT NULL    |                        |
| reg_id    | int       | 20   | PRIMARY KEY | Stores register id     |
| email     | varchar   | 100  | NOT NULL    | Stores users name      |
| password  | varchar   | 100  | NOT NULL    | Stores user's password |
| user_type | varchar   | 20   | NOT NULL    | Stores user type       |
| status    | varchar   | 20   | NOT NULL    | Stores status          |
| otp       | int       | 20   | NOT NULL    | Stores otp             |

## 2. Table name: register

Description: Used to store customer details

Primary key: user\_id

| Field    | Data type | Size | Constrainte | Field Description              |
|----------|-----------|------|-------------|--------------------------------|
| user_id  | int       | 11   | PRIMARY KEY | Stores the user id             |
| name     | varchar   | 100  | NOT NULL    | Stores the user's name         |
| phone    | bigint    | 11   | NOT NULL    | Stores the user's phone number |
| address  | varchar   | 100  | NOT NULL    | Stores the user's address      |
| email    | varchar   | 100  | NOT NULL    | Stores the user's email id     |
| pincode  | varchar   | 100  | NOT NULL    | Stores pincode                 |
| password | varchar   | 100  | NOT NULL    | Stores the user's password     |

## 3. Table name: service

Description: Stores service details of customers

Foreing key: user\_id

| Field         | Data type | Size | Constraints | Field description                              |
|---------------|-----------|------|-------------|--|
| id            | int       | 200  | PRIMARYKEY  | Access from service table                      |
| user_id       | int       | 20   | FOREIGN KEY | Stores user id                                 |
| username      | varchar   | 50   | NOT NULL    | Stores users names                             |
| company       | varchar   | 50   | NOT NULL    | Stores vehicle company                         |
| model         | varchar   | 50   | NOT NULL    | Stores vehicle model                           |
| regNo         | varchar   | 20   | NOT NULL    | Stores registration number of customer vehicle |
| bookingDate   | date      |      | NOT NULL    | Stores the service booking date                |
| image         | varchar   | 50   | NOT NULL    | Stores image of vehicle                        |
| serviceType   | varchar   | 50   | NOT NULL    | Stores the service type                        |
| veh_complaint | varchar   | 50   | NOT NULL    | Stores the delivery details                    |

|                     |         |     |          |   |
|---------------------|---------|-----|----------|---|
| suggest_mech        | varchar | 50  | NOT NULL | Stores the booking confirmation details |
| delivery            | varchar | 50  | NOT NULL | Stores mechanic details                 |
| bookingConfirmation | varchar | 500 | NOT NULL | Stores service details of customer      |
| addMechanic         | varchar | 50  | NOT NULL | Stores delivery boy details             |
| serviceDetails      | varchar | 50  | NOT NULL | Store payment details                   |
| appointDeliveryBoy  | varchar | 50  | NOT NULL | Stores spare parts price and details    |
| sparePrice          | varchar | 50  | NOT NULL | Stores spare prices                     |
| labourCharge        | varchar | 50  | NOT NULL | Stores labour charge details            |
| totalAmount         | varchar | 50  | NOT NULL | Stores the total amount of service      |
| payment             | varchar | 50  | NOT NULL | Stores payment details                  |

#### 4. Table name: staff

Description: Stores the details of staff

Primary key: id

| Field     | Data type | Size | Constraints | Field description                 |
|-----------|-----------|------|-------------|-----------------------------------|
| id        | int       | 10   | PRIMARY KEY | Stores staff id                   |
| name      | varchar   | 50   | NOT NULL    | Stores staff name                 |
| email     | varchar   | 50   | NOT NULL    | Stores email id of staff          |
| phone     | bigint    | 50   | NOT NULL    | Stores phone number of staff      |
| place     | varchar   | 10   | NOT NULL    | Stores place and address of staff |
| image     | varchar   | 50   | NOT NULL    | Stores image of the staff         |
| staffType | varchar   | 50   | NOT NULL    | Stores the type of staff          |

### 3.5. MODULE DESCRIPTION

#### 1. Admin

This module consists of activities performed by admin. Admin can access all the functions in the website. Admin can add staff's, approve bookings, view and delete staffs. He can also view the booking history and booking requests. the admin can view the number of users registered in the website.

#### 2. User

This module consists of activities performed by customers. They can Book services and view service history. The customer can choose whether he wants a free or paid body servicing.

## **4. SYSTEM TESTING AND IMPLEMENTATION**

#### **4.1. INTRODUCTION**

Software testing is the process used to access the quality of computer software. This includes but is not limited to the process of executing a program or application with the intention of finding software bugs. Every software product has a target audience. For example, video game software has its audience completely different from banking software.

Therefore, when an organization develops or otherwise in a software product, it presumably must decide whether a software product will be acceptable to its target audience and its purchasers. Software testing is the process of attempting to make this assignment. In this implementation phase all the programs are written, database is created, user operational document is written, users are trained and the system is tested with operational data. The implementation is carried out with the results that have been obtained from the feasibility study and analysis.

Then the system is tested with appropriate data inputs to check the success of the system. Then the administrator will be trained of the operational functionalities to control and maintain system at a later stage. The third party user's role is being carried out by the implementation team itself.

There by it is made sure that the system meets the required standards. The result obtained from the evaluation process helps the organization to determine whether its information systems are effective and efficient. On the basis of the feedback provided by the evaluation process the organization in order to keep its system at the highest levels of effectiveness and efficiency of course within cost constraints must respond by taking corrective actions. It may include removing errors and enhancing the existing system.

#### **4.2. SYSTEM TESTING**

Testing is a process of executing a program with the intent of finding an error. A Good test case is one that has high probability of finding an undiscovered error. A successful testing is one that uncovers as yet undiscovered error. Software testing is a critical element of software quality assurance. So, once code has been generated, program testing begins.

Software once validated must be combined with other elements (eg: Hardware, People and Database) System testing verifies that all elements mesh properly and that overall system function / performance are achieved. It is actually a series of different tests while primary purpose is to fully exercise the computer-based system. The testing was done with some real data and found that system was working properly, and the performance was good.

### **Unit Testing**

Unit testing focuses verification efforts on the smallest unit of the software design and module. Hence this phase is also known as module testing. The testing is individually performed on each module.

### **Integration Testing**

Integration is a systematic technique for constructing the program structure while at the same time conducting test to uncover errors associated within the interface. This technique also combines the modules.

### **Validation Testing**

Validation succeeds when the software function in manner that is reasonably expected by the customer. In our project the validation testing is for the phone number and age. If any character is entered, an error occurs.

### **Output Testing**

After performing the validation testing, the next step is output testing of the proposed system, since no system is useful if it does not produce required output in the specific format.

### **Acceptance Testing**

User acceptance of the system is a key factor for the success of any system



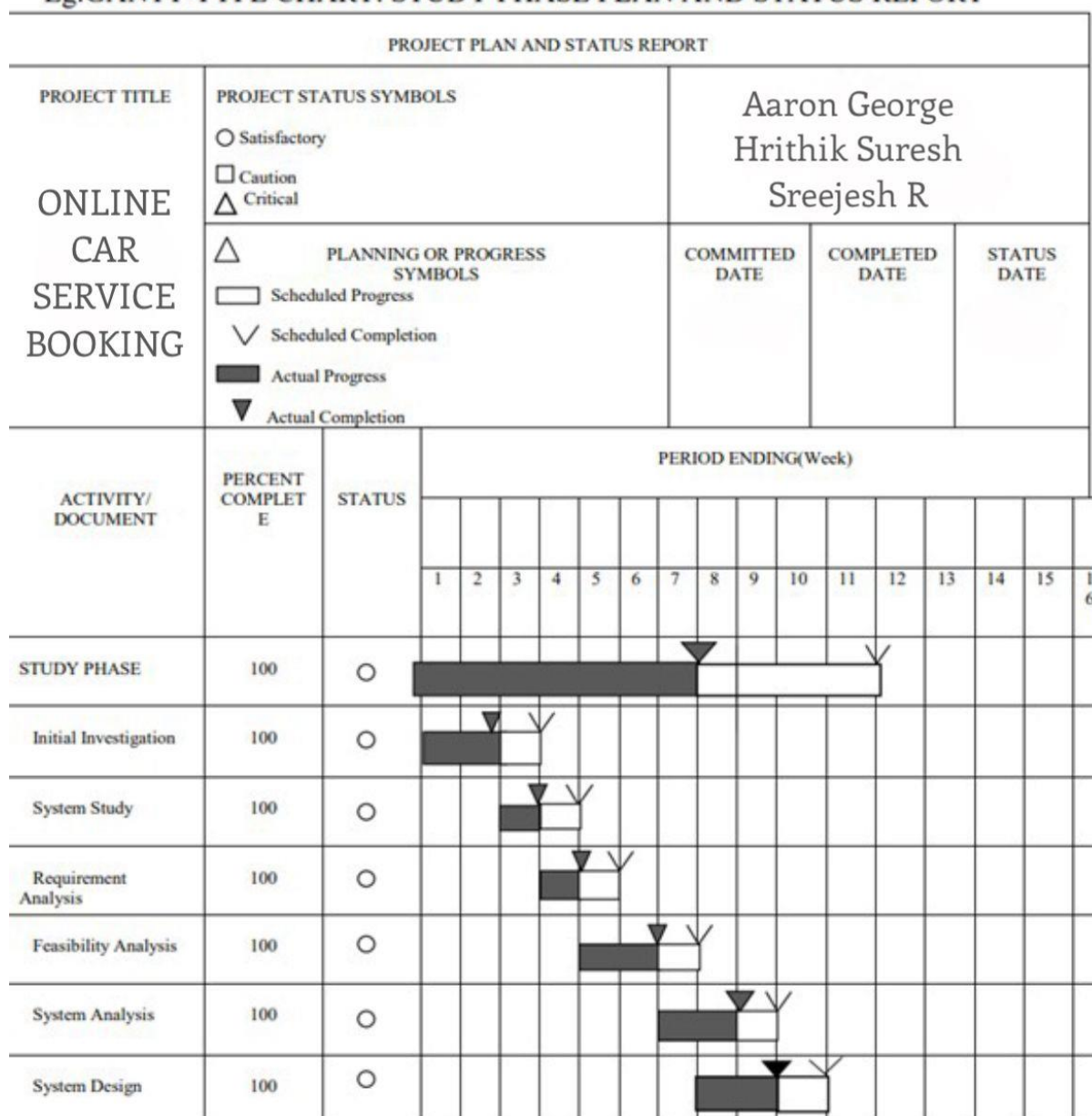
### 4.3. SYSTEM IMPLEMENTATION

The term system implementation refers to the process of bringing the developed system onto operational use and turning it over to the clients. This phase moves from the testing through installation. The new system may be totally replacing an existing manual or automated system or it may be major modification to an existing system. The method of implementation and time scale to be adopted is found out initially. The system is tested properly and at the same time the user is trained in the new procedure. Proper implementation is essential to provide a reliable system to meet organizations requirements. Successful implementation may not guarantee improvements in the organizations using the new system but will prevent improper installation. The implementation involves the following things.

- Careful planning
- Investigation of System and Constraints
- Design the methods to achieve the change over
- Training the staff in the changed phase
- Evaluation of change over method

The methods of implementation and timescale to be adopted are found out initially. Next the system is tested properly and at the same time the users are trained in the new procedure. The first phase in the implementation of a system is the plan to make it implement. For proper implementation the plan is a prerequisite and is known as pre implementation activities. It is in these steps that various activities which are required for implementation of a system are identified and their sequence and relation to each other is desired. In this step various other estimates like time required for each activity and cost estimate are also obtained. For the better description of the plan and implementation various tools like Gantt charts etc have been used.

Eg: GANTT-TYPE CHART: STUDY PHASE PLAN AND STATUS REPORT



#### 4.4. DEBUGGING

Debugging is a very important task in the software development process, because an incorrect program can have a significant consequence of its users. Some languages are more prone to some kinds of fault because their specification does not require compilers to perform as much checking as other language. Use of a static code and analysis tool can help to detect some possible problems.

#### **4.5. SYSTEM SECURITY**

The system security is implemented in three different levels.

- **Operating System Level**

The operating system level security is implemented using the login user name and password. Different profiles are maintained in a single for ensuring maximum protection of data.

- **Database Level**

Database level security is ensured using the oracle username and password for protecting data. Each user has his own username and password in oracle for ensuring maximum protection and security.

- **System Level**

The system level security is ensured using the login username and password when we login into software.

#### **4.6. SCOPE AND FUTURE ENHANCEMENT**

The Online Car Service Booking system is a comprehensive platform that allows customers to book vehicle services conveniently. It provides users with the ability to record and track their service history, which can be valuable when selling the vehicle. Customers can specify their preferred mechanic, view the assigned mechanic, and track the delivery of their vehicle from the workshop to their home. This system enhances transparency and convenience for both customers and service providers.

While the current system is robust, there are several potential enhancements that could further increase its utility and user satisfaction:

1. **Mobile Application Integration:** Developing a mobile app version of the system would offer users easier access on the go, allowing them to book services, check their vehicle status, and receive notifications directly on their smartphones.
2. **Real-Time Service Tracking:** Implementing GPS tracking could allow customers to monitor the exact location of their vehicle during the pick-up and delivery phases, ensuring added peace of mind.

3. **Service Reminders:** Automated reminders for upcoming services, based on the vehicle's service history and manufacturer recommendations, could be sent via email, SMS, or push notifications.
4. **Loyalty Programs:** Introducing a loyalty program with rewards for frequent users could encourage customer retention and increase engagement with the platform.
5. **Comprehensive Analytics Dashboard:** Providing users with an analytics dashboard that tracks vehicle health and service patterns could offer insights into vehicle performance and potential issues.

## **5. CONCLUSION**

After completing the mini project, we are sure that the problem in the existing car workshop system will be resolved. The “Online Car Service Booking” process made computerized to reduce human errors and to increase the efficiency.

It was a wonderful learning experience for us while working on this mini project. This mini project took through the various phases of project development and gave real insight into the world of software engineering. The joy of work and the thrill involved while tracking the various problems and challenges gave a feel of developer’s industry. It was due to this project that we came to know how professional softwares are designed. we enjoyed each and every bit of work in this project.

The main focus of this mini project is on less human effort. The maintenance of the record is made efficient, as all the records are stored in databases, through which data can be retrieved easily. The editing is also made simpler. The user has to just type in the required field and press the update button to update the desired field. The admin and other users are given unique user id, so that they can be accessed correctly and without errors.

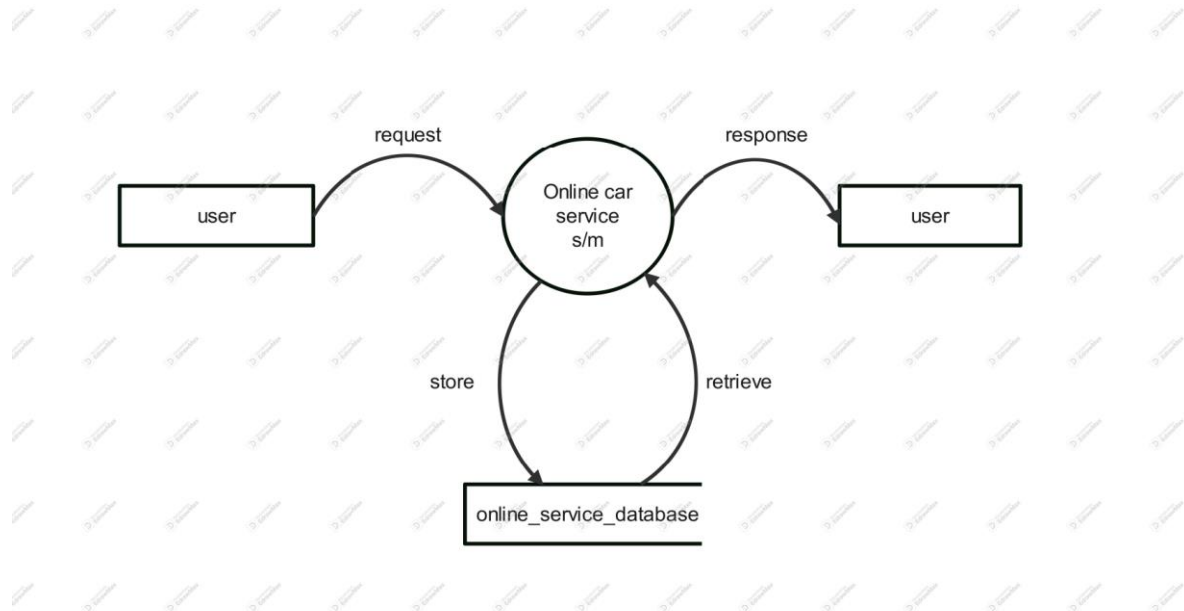
Our main aim is to overcome the present inefficient, time consuming process of recording, updating and viewing details. Through the “Online Car Service Booking” we provide an easy way of viewing and updating car service-related details as because it is a user friendly system.

**APPENDIX**

## A DIAGRAM

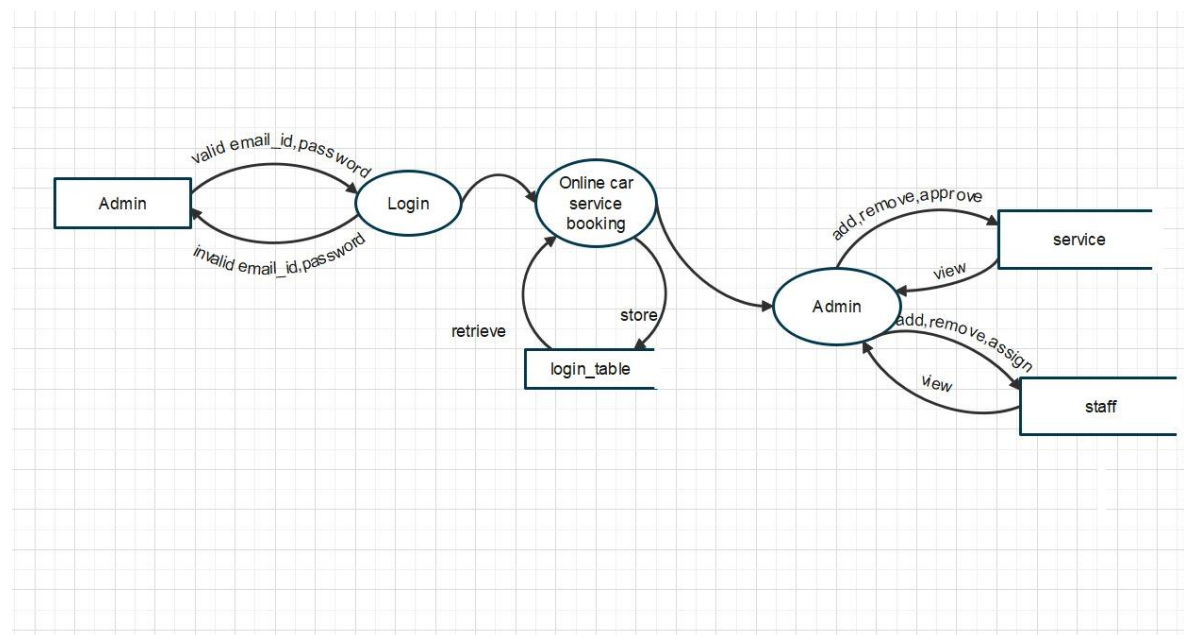
### A.1. Data Flow Diagram (DFD)

#### 1. Level 0



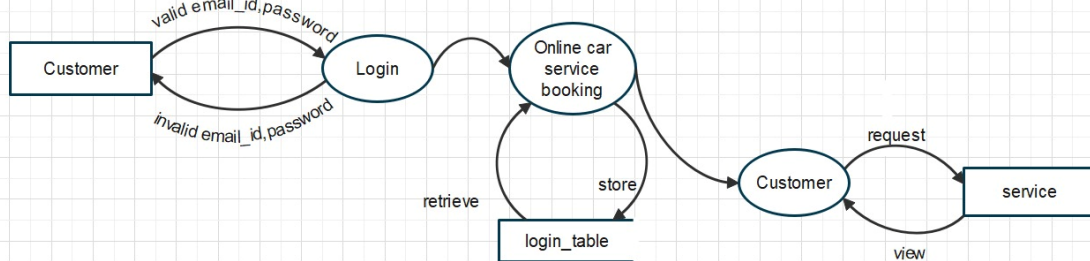
#### 2. Level 1

##### Admin

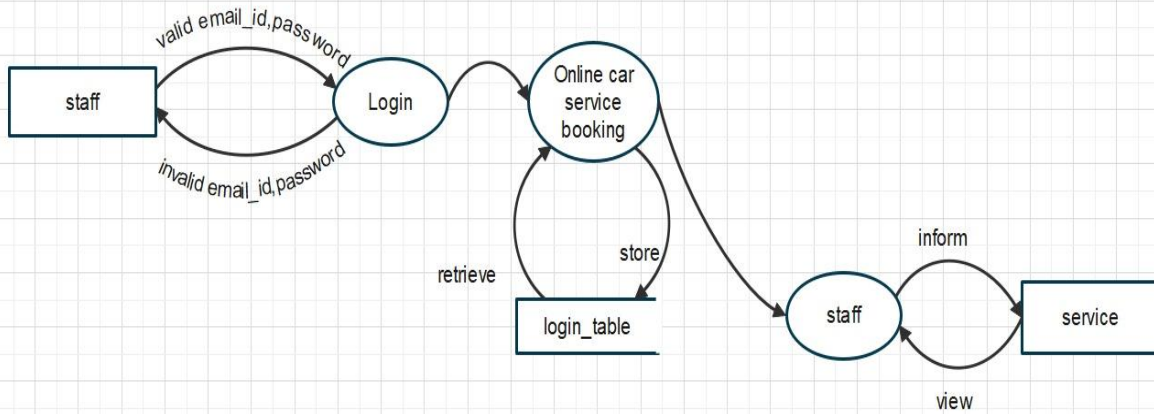




## Customer

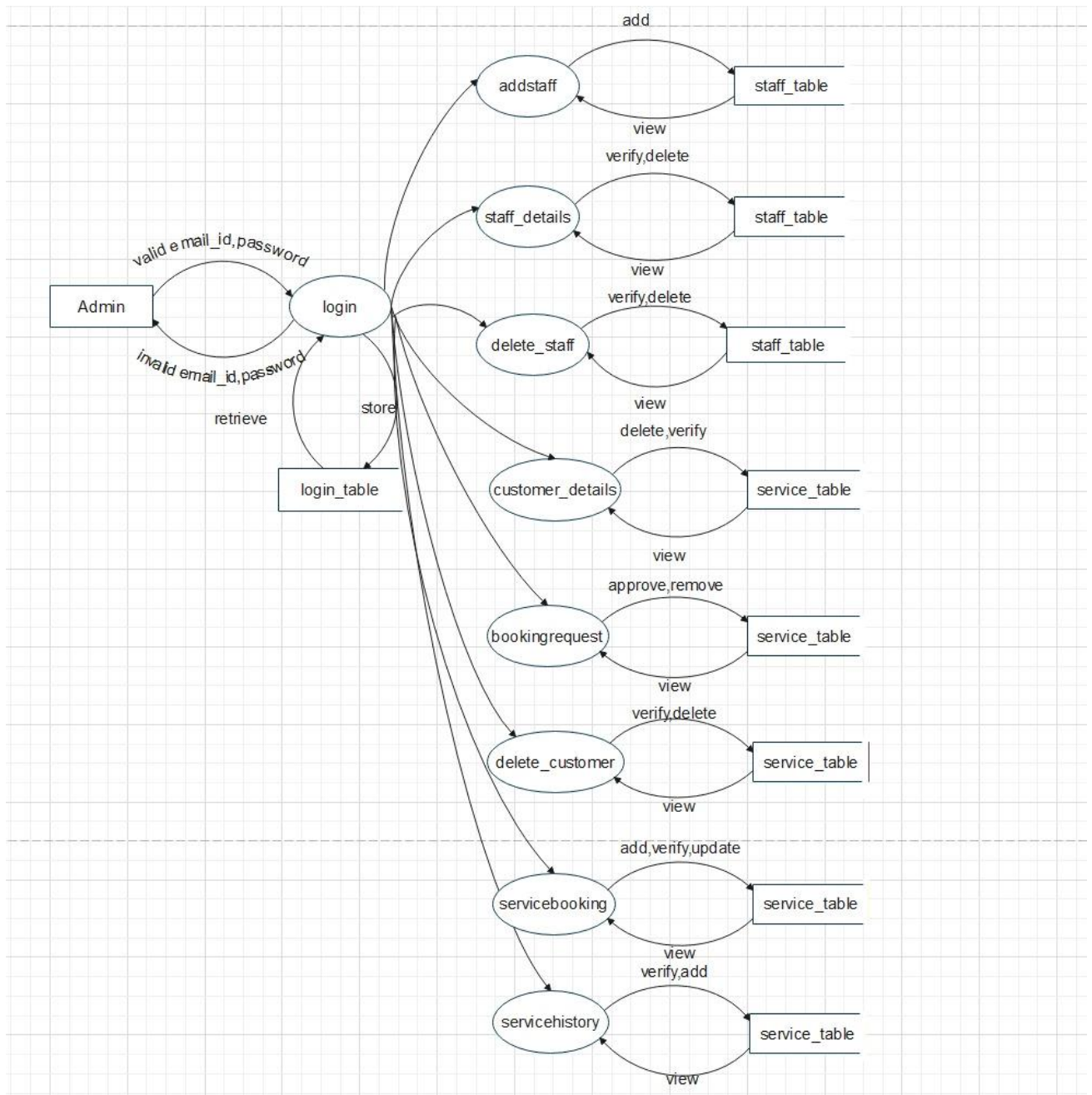


## Staff

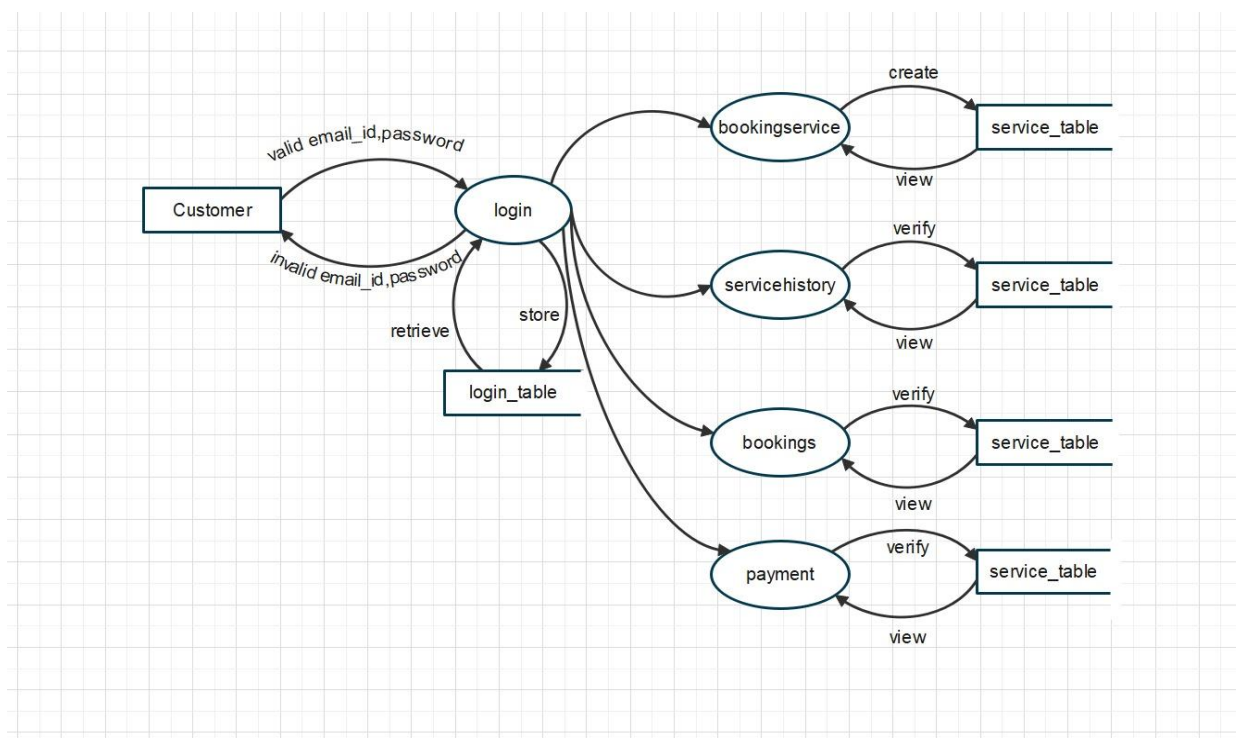


### 3. Level 1.1

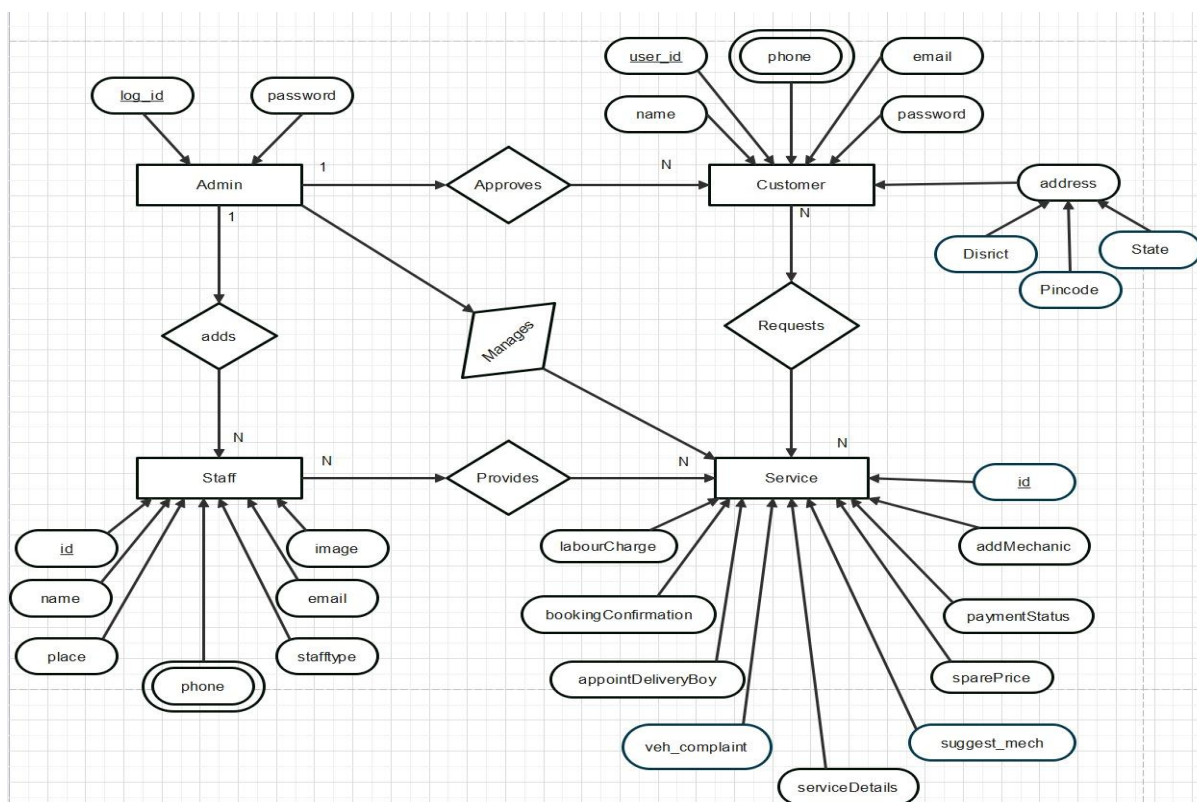
#### Admin



## Customer



## A.2. ENTITY-RELATIONSHIP DIAGRAM (ER DIAGRAM)



## B CODE SNIPPET

### Sample Code of Important Modules

#### Login Page

```
<?php
session_start();
include './connection/dbconnection.php';
include 'commonHeader.php';
?>

<!--breadcrumbs area start-->
<div class="breadcrumbs_area">
    <div class="container">
        <div class="row">
            <div class="col-12">
                <div class="breadcrumb_content">
                    <ul>
                        <li><a href="#">home</a></li>
                        <li>Login</li>
                    </ul>
                </div>
            </div>
        </div>
    </div>
</div>

<!--breadcrumbs area end-->

<!-- customer login start -->
<div class="customer_login mt-32">
    <div class="container">
        <div class="row">
            <!--login area start-->
```

```

<div class="col-lg-7 col-md-7">
  <div class="account_form">
    <h2>login</h2>
    <form action="#" method="post">
      <p>
        <label>Email <span>*</span></label>
        <input type="email" name="email">
      </p>
      <p>
        <label>Passwords <span>*</span></label>
        <input type="password" name="password">
      </p>
      <div class="login_submit">

        <button type="submit" name="login">Login</button>

        <div class="comment-form__forgot-password" style="text-align: right;">
          <a href="FP/forgot-password.php" style="color: #007bff;">Forgot Password?</a>
        </div>
      </div>

    </form>
  </div>
</div>

<!--login area start-->
</div>
</div>

<!-- customer login end -->

<?php

if (isset($_REQUEST['login'])){

```

```
$email = $_REQUEST['email'];
$password = $_REQUEST['password'];

$qry = "SELECT * FROM login WHERE `email`=?";
$stmt = $con->prepare($qry);
$stmt->bind_param("s", $email);
$stmt->execute();
$result = $stmt->get_result();

if ($result->num_rows > 0) {
    $data = $result->fetch_assoc();
    $stored_password = $data['password'];

    // Verify hashed password
    if (password_verify($password, $stored_password)) {
        $lid = $data['lid'];
        $type = $data['user_type'];

        $_SESSION['lid'] = $lid;

        if ($type == 'admin'){
            echo"<script>alert('Welcome to AdminHome ');
window.location='ADMIN/adminHome.php'</script>";
        } else if ($type == 'user'){
            echo"<script>alert('Welcome to UserHome ');
window.location='USER/userHome.php'</script>";
        }
    } else {
        echo "<script>alert('Invalid Email / Password'); window.location='login.php'</script>";
    }
}
$stmt->close();
}
```

?>

## Register Page

```
<?php
session_start();
include './connection/dbconnection.php';
include 'commonHeader.php';
?>

<!--breadcrumbs area start-->
<div class="breadcrumbs_area">
    <div class="container">
        <div class="row">
            <div class="col-12">
                <div class="breadcrumb_content">
                    <ul>
                        <li><a href="#">home</a></li>
                        <li>Register</li>
                    </ul>
                </div>
            </div>
        </div>
    </div>
</div>

<!--breadcrumbs area end-->

<!-- customer login start -->
<div class="customer_login mt-32">
    <div class="container">
        <div class="row">
            <!--login area start-->
            <div class="col-lg-7 col-md-7">
                <div class="account_form">
                    <h2>Register</h2>
```

```

<form action="#" method="post">
  <p>
    <label>Name <span>*/</span></label>
    <input type="text" name="Name" required>
  </p>
  <p>
    <label>Phone <span>*/</span></label>
    <!-- <input type="text" name="Phone" pattern="(\+91)?[6789][0-
9]{9}" required> -->

    <!-- -->
    <input type="text" id="phoneNumber" name="phoneNumber"
pattern="\+91[6789][0-9]{9}" minlength="13" maxlength="13" title="Enter a valid Indian
phone number starting with +91">
    <small>Format: +91XXXXXXXXXX</small><br>
    <!-- -->

  </p>
  <p>
    <label>Address<span>*/</span></label>
    <input type="text" name="Address" required>
  </p>
  <p>
    <label>Pin Code<span>*/</span></label>
    <input type="text" name="pincode" pattern="[0-9]{6}" minlength="6"
maxlength="6" required>
  </p>
  <p>
    <label>Email <span>*/</span></label>
    <input type="email" name="Email" required>
  </p>
  <p>
    <label>Passwords <span>*/</span></label>
    <input type="password" name="Password" required>

```



```
</p>
<div class="login_submit">

    <button type="submit" name="add">Register</button>

</div>

</form>
</div>
</div>
<!--login area start-->

</div>
</div>
</div>
<!-- customer login end -->

<?php

if (isset($_REQUEST['add'])) {
    $name = $_REQUEST['Name'];
    $phone = $_REQUEST['phoneNumber'];
    $address = $_REQUEST['Address'];
    $pincode = $_REQUEST['pincode'];
    $email = $_REQUEST['Email'];
    $password = $_REQUEST['Password'];
    $hashed_password = password_hash($password, PASSWORD_BCRYPT);

    $qry = "SELECT * FROM `login` WHERE `email` = '$email'";
    $result = mysqli_query($con, $qry);

    if ($result->num_rows > 0) {
        echo "<script>alert('Email already registered');</script>";
    } else {
```

```
$qry = "INSERT INTO register (  
    `name`,  
    `phone`,  
    `address`,  
    `pincode`,  
    `email`  
    ) VALUES (  
        '$name',  
        '$phone',  
        '$address',  
        '$pincode',  
        '$email'  
    );  
mysqli_query($con, $qry);  
$reg_id = mysqli_insert_id($con); // Get the last inserted ID  
  
$loginqry = "INSERT INTO login (  
    `reg_id`,  
    `email`,  
    `password`  
    ) VALUES (  
        '$reg_id',  
        '$email',  
        '$hashed_password'  
    );  
mysqli_query($con, $loginqry);  
  
echo "<script>alert('Registered Successfully');</script>";  
echo "<script>window.location='login.php';</script>";  
}  
}  
?>
```

**Admin Add Staff**

```
<?php
session_start();
include '../connection/dbconnection.php';
include 'commonHeader.php';
?>
<style>
    .account_form select {
        border: 1px solid #000;
        height: 40px;
        max-width: 100%;
        padding: 0 20px;
        background: none;
        width: 100%;
    }
</style>
<!--breadcrumbs area start-->
<div class="breadcrumbs_area">
    <div class="container">
        <div class="row">
            <div class="col-12">
                <div class="breadcrumb_content">
                    <ul>
                        <li><a href="#">home</a></li>
                        <li>Add Staff</li>
                    </ul>
                </div>
            </div>
        </div>
    </div>
</div>
<!--breadcrumbs area end-->
```

```

<!-- customer login start -->
<div class="customer_login mt-32">
  <div class="container">
    <div class="row">
      <!--login area start-->
      <div class="col-lg-7 col-md-7">
        <div class="account_form">
          <h2>Add Staff</h2>
          <form action="#" method="post" enctype="multipart/form-data">
            <p>
              <label>Name <span>*</span></label>
              <input type="text" name="name">
            </p>
            <p>
              <label>Email <span>*</span></label>
              <input type="text" name="email">
            </p>
            <p>
              <label>Phone <span>*</span></label>
              <input type="text" name="phone" maxlength="10">
            </p>
            <p>
              <label>Address<span>*</span></label>
              <input type="text" name="place">
            </p>
            <p>
              <label>Image<span>*</span></label>
              <input type="file" name="image">
            </p>
            <p>
              <label>Role<span>*</span></label>
              <select name="staffType">
                <option value="mechanic">Mechanic</option>

```

```
        <option value="delivery">Delivery Boy</option>
    </select>
</p>

<div class="login_submit">

    <button type="submit" name="add">Add Staff</button>

</div>

</form>
</div>
</div>
<!--login area start-->

</div>
</div>
</div>
<!-- customer login end -->

<?php
if (isset($_REQUEST['add'])) {
    $name = $_REQUEST['name'];
    $email = $_REQUEST['email'];
    $phone = $_REQUEST['phone'];
    $address = $_REQUEST['place'];
    $staffType = $_REQUEST['staffType'];

    $filename = $_FILES["image"]["name"];
    $tempname = $_FILES["image"]["tmp_name"];
    $folder = "image/" . $filename;

    if (move_uploaded_file($tempname, '../assets/image/' . $filename)) {
        $qry = "SELECT count(*) as cnt from staff where `name` = '$name' OR `email` = '$email'";
```

```
echo $qry;

$qryOut = mysqli_query($con, $qry);

$result = mysqli_fetch_array($qryOut);

if ($result['cnt'] > 0) {
    echo "<script>alert('Already exists');
    window.location = 'addStaff.php';
    </script>";
} else {
    $qry = "insert into staff(

        `name`,
        `email`,
        `phone`,
        `place`,
        `image`,
        `staffType`
    )
    values(
        '$name',
        '$email',
        '$phone',
        '$address',
        '$filename',
        '$staffType')";

    echo $qry;
    mysqli_query($con, $qry);
    echo "<script>alert('Registered Successfully');</script>";
    echo "<script>window.location='viewStaff.php'</script>";
}
}
```

```
}  
?>
```

### Delete Customer

```
<?php  
  
session_start();  
  
include "../CONNECTION/dbConnection.php";  
  
$id=$_GET['id'];  
  
$query="DELETE FROM `register` WHERE `user_id`='".$id"'";  
  
// echo $query;  
  
$result=mysqli_query($con,$query);  
  
// echo $result;  
  
// echo $query;  
  
if($result){  
  
    echo "<script type='text/javascript'>  
  
        alert(\"Customer Deleted\");  
  
        window.location=(\"viewCustomer.php\");  
  
    </script>";  
  
}
```

### Delete Staff

```
<?php  
  
session_start();  
  
include "../CONNECTION/dbConnection.php";
```

```
$id=$_GET['id'];

$query="DELETE FROM `staff` WHERE `id`='$id'";

// echo $query;

$result=mysqli_query($con,$query);

// echo $result;

// echo $query;

if($result){

    echo "<script type=\"text/javascript\">

        alert(\"Staff Removed\");

        window.location=(\"viewStaff.php\");

    </script>";

}
```

### **Password Reset**

```
<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">
```



```
<title>OTP Verification</title>

<link rel="stylesheet"
href="https://unpkg.com/bootstrap@5.3.3/dist/css/bootstrap.min.css">

</head>

<body>

<div class="container mt-5">

<div class="row justify-content-center">

<div class="col-12 col-md-8 col-lg-6">

<div class="card shadow-sm">

<div class="card-body">

<h2 class="h4 text-center mb-4">Enter New Password</h2>

<form action="" method="post">

<div class="mb-3">

<label for="new_password" class="form-label">Password</label>

<input type="password" class="form-control" id="new_password"
name="new_password" placeholder="Enter New Password" required>

</div>

<div class="mb-3">

<label for="confirm_password" class="form-label">Re-enter
Password</label>

<input type="password" class="form-control"
id="confirm_password" name="confirm_password" placeholder="Re-enter Password">
```

```
required>

    </div>

    <div class="d-grid">

        <button type="submit" class="btn btn-dark btn-lg">Reset
Password</button>

    </div>

</form>

<?php if (isset($message)) { ?>

    <div class="message"><?php echo htmlspecialchars($message);
?></div>

    <?php } ?>

</div>

</div>

</div>

</div>

</div>

</div>

</div>

</body>

</html>

<?php
session_start();

include '../connection/dbconnection.php'; // Include your database connection file
```

```
include '../phpmail/src/PHPMailer.php';

include '../phpmail/src/SMTP.php';

include '../phpmail/src/Exception.php';

use PHPMailer\PHPMailer\PHPMailer;

use PHPMailer\PHPMailer\Exception;

// Initialize variables

$email = isset($_GET['email']) ? $_GET['email'] : '';

$otp = isset($_GET['otp']) ? $_GET['otp'] : '';

// Validate email and otp presence

if (empty($email) || empty($otp)) {

    echo "<script>alert('Email or OTP missing. Please go back and try again.');
```

```
} elseif ($new_password !== $confirm_password) {

    echo "<script>alert('Passwords do not match. Please try again.');";

} else {

    // Update the password and clear OTP

    $hashed_password = password_hash($new_password, PASSWORD_BCRYPT);

    $stmt = $con->prepare("UPDATE login SET password = ? ,otp=NULL WHERE
email = ?");

    if ($stmt === false) {

        echo "<script>alert('Prepare failed: " . $con->error . "');";

    } else {

        $stmt->bind_param('ss', $hashed_password, $email);

        if ($stmt->execute()) {

            // Send email notification using PHPMailer

            $mail = new PHPMailer();

            try {

                // Server settings

                $mail->isSMTP();

                $mail->Host = 'smtp.gmail.com'; // Set the SMTP server to send through

                $mail->SMTPAuth = true;

                $mail->Username = 'sahservice10@gmail.com'; // SMTP username

                $mail->Password = 'idclbhqmnvcaczrf'; // SMTP password
```

```
$mail->SMTPSecure = PHPMailer::ENCRYPTION_STARTTLS;

$mail->Port = 587; // TCP port to connect to

// Recipients

$mail->setFrom('sahservice10@gmail.com', 'Sah Service');

$mail->addAddress($email); // Add a recipient


// Content

$mail->isHTML(true); // Set email format to HTML

$mail->Subject = 'Password Reset Notification';

$mail->Body = 'Hello,<br><br>Your password has been successfully
reset. If you did not request this change, please contact our support team
immediately.<br><br>Thank you.';

$mail->AltBody = 'Hello,\n\nYour password has been successfully reset.
If you did not request this change, please contact our support team
immediately.\n\nThank you.';

$mail->send();

echo "<script>alert('Password has been reset successfully. A notification
email has been sent.');"window.location='../login.php';</script>";

} catch (Exception $e) {

    echo "<script>alert('Password has been reset successfully, but the
notification email could not be sent. Mailer Error: {"$mail-
>ErrorInfo}');"window.location='../login.php';</script>";

}
```

```
        exit();

    } else {

        echo "<script>alert('Password reset failed. Please try
again.');
```

### **User Book Service**

```
<?php

session_start();

include '../connection/dbconnection.php';

include '../commonHeader.php';

?>
```

```
<!--Checkout page section-->

<div class="Checkout_section mt-32">

    <div class="container">

        <div class="checkout_form">
```

```
<div class="row">

<div class="col-lg-6 col-md-6">

<form action="#" method="post" enctype="multipart/form-data">

<h3>BOOK Service</h3>

<div class="row">

<div class="col-12 mb-20">

<label>Customer Name</label>

<input type="text" name="userName" required>

</div>

<div class="col-lg-6 mb-20">

<label>Company<span>*</span></label>

<input type="text" name="company" required>

</div>

<div class="col-lg-6 mb-20">

<label>Model<span>*</span></label>

<input type="text" name="model" required>

</div>

<div class="col-12 mb-20">

<label>Register Number</label>

<input type="text" maxlength="13" name="regNo" pattern="[A-
Za-z]{2}\s[0-9]{1,2}\s[A-Za-z0-9]{1,4}\s[A-Za-z0-9]{4}"
```

```
placeholder="Enter a valid registration number Eg. DL 9C AB  
1234" required>
```

```
</div>
```

```
<div class="col-12 mb-20">
```

```
<label>Booking Date</label>
```

```
<input type="date" name="bookingDate" required>
```

```
</div>
```

```
<div class="col-12 mb-20">
```

```
<label>Vehicle Image</label>
```

```
<input type="file" name="image" required>
```

```
</div>
```

```
<style>
```

```
.checkout_form select {
```

```
border: 1px solid #f0f0f0;
```

```
background: none;
```

```
height: 40px;
```

```
width: 100%;
```

```
padding: 0 20px;
```

```
color: #333;
```

```
}
```

```
</style>
```



```

<div class="col-12 mb-20">

    <label for="country">Service Type <span>*</span></label>

    <select class="niceselect_option" name="serviceType" id="country"
required>

        <option value="repair">Repair</option>

        <option value="accidentalRepair">Accidental Repair</option>

        <option value="paidService">Paid Service</option>

    </select>

</div>

<div class="col-lg-12 mb-20">

    <label>Complaint Description<span>*</span></label>

    <input type="text" name="complaint" required>

</div>

<div class="col-12 mb-20">

    <label for="country">Suggest mechanic <span>*</span></label>

    <select class="niceselect_option" id="country" name="mechanic">

        <option value="?" selected>Not Required</option>

    <?php

        $res = mysqli_query($con, "SELECT * FROM staff WHERE
staffType='mechanic'");

```

```

while ($rs = mysqli_fetch_array($res)) {

    $data = $rs;

    ?>

    <option value="<?php echo $data['name']; ?>">

        <?php echo $data['name']; ?>

    </option>

    <?php } ?>

</select>

</div>

<div class="col-12 mb-20">

    <label for="country">Deliver Type <span>*</span></label>

    <select class="niceselect_option" name="delivery" id="country"
required>

        <option value="Req">Pick Up & Delivery Required</option>

        <option value="notReq">Not Required</option>

    </select>

</div>

<div class="login_submit">

    <button type="submit" name="add" class="btn btn-warning">Book

```

Service</button>

</div>

</div>

</form>

</div>

</div>

</div>

</div>

</div>

<!--===== Book Service =====-->

<?php

\$uid = \$\_SESSION['uid'];

if (isset(\$\_REQUEST['add'])) {

    \$userName = \$\_REQUEST['userName'];

    \$company = \$\_REQUEST['company'];

    \$model = \$\_REQUEST['model'];

    \$regNo = \$\_REQUEST['regNo'];

    \$bookingDate = \$\_REQUEST['bookingDate'];

```
$serviceType = $_REQUEST['serviceType'];

$complaint = $_REQUEST['complaint'];

$mechanic = $_REQUEST['mechanic'];

$delivery = $_REQUEST['delivery'];

$filename = $_FILES["image"]["name"];

$tempname = $_FILES["image"]["tmp_name"];

$folder = "image/" . $filename;

if (move_uploaded_file($tempname, '../assets/image/' . $filename)) {

    $qry = "INSERT INTO service( `user_id`, `userName`, `company`, `model`,
`regNo`, `bookingDate`, `serviceType`, `veh_complaint`, `suggest_mech`, `delivery`,
`image` )

    values(

        '$uid',

        '$userName',

        '$company',

        '$model',

        '$regNo',

        '$bookingDate',

        '$serviceType',

        '$complaint',
```

```
'$mechanic',  
  
'$delivery',  
  
'$filename'  
  
)";  
  
echo $qry;  
  
if ($con->query($qry) == TRUE) {  
  
    echo "<script>alert('Success');window.location = 'userHome.php';</script>";  
  
    } else {  
  
        echo "<script>alert('Failed');window.location = 'bookService.php';</script>";  
  
    }  
  
    }  
  
    }  
  
    }  
  
?>
```

### **User Update Booking**

```
<?php  
  
session_start();  
  
include '../connection/dbconnection.php';  
  
include '../commonHeader.php';
```

```
$uid = $_SESSION['uid'];

$bookingDetails = [

    'userName' => ",

    'company' => ",

    'model' => ",

    'regNo' => ",

    'bookingDate' => ",

    'serviceType' => ",

    'veh_complaint' => ",

    'suggest_mech' => ",

    'delivery' => ",

    'image' => "

];

// Fetch existing booking details

$result = mysqli_query($con, "SELECT * FROM service WHERE user_id='$uid' LIMIT
1");

if ($result && mysqli_num_rows($result) > 0) {

    $bookingDetails = mysqli_fetch_assoc($result);

}

?>
```

```
<!--Checkout page section-->

<div class="Checkout_section mt-32">

    <div class="container">

        <div class="checkout_form">

            <div class="row">

                <div class="col-lg-6 col-md-6">

                    <form action="#" method="post" enctype="multipart/form-data">

                        <h3>BOOK Service</h3>

                        <div class="row">

                            <div class="col-12 mb-20">

                                <label>Customer Name</label>

                                <input type="text" name="userName" value="<?php echo
htmlspecialchars($bookingDetails['userName']); ?>" required>

                            </div>

                            <div class="col-lg-6 mb-20">

                                <label>Company<span>*</span></label>

                                <input type="text" name="company" value="<?php echo
htmlspecialchars($bookingDetails['company']); ?>" required>

                            </div>

                            <div class="col-lg-6 mb-20">
```

```
<label>Model<span>*</span></label>

<input type="text" name="model" value="<?php echo
htmlspecialchars($bookingDetails['model']); ?>" required>

</div>

<div class="col-12 mb-20">

<label>Register Number</label>

<input type="text" maxlength="13" name="regNo" pattern="[A-Za-
z]{2}\s[0-9]{1,2}\s[A-Za-z0-9]{1,4}\s[A-Za-z0-9]{4}"

placeholder="Enter a valid registration number Eg. DL 9C AB 1234"
value="<?php echo htmlspecialchars($bookingDetails['regNo']); ?>" required>

</div>

<div class="col-12 mb-20">

<label>Booking Date</label>

<input type="date" name="bookingDate" value="<?php echo
htmlspecialchars($bookingDetails['bookingDate']); ?>" required>

</div>

<div class="col-12 mb-20">

<label>Vehicle Image</label>

<input type="file" name="image" required>

<?php if ($bookingDetails['image']): ?>


```



```

        <?php endif; ?>

    </div>

    <style>

        .checkout_form select {

            border: 1px solid #f0f0f0;

            background: none;

            height: 40px;

            width: 100%;

            padding: 0 20px;

            color: #333;

        }

    </style>

    <div class="col-12 mb-20">

        <label for="country">Service Type <span>*</span></label>

        <select class="niceselect_option" name="serviceType" id="country"
required>

            <option value="repair" <?php echo $bookingDetails['serviceType']
== 'repair' ? 'selected' : ''; ?>>Repair</option>

            <option value="accidentalRepair" <?php echo
$bookingDetails['serviceType'] == 'accidentalRepair' ? 'selected' : ''; ?>>Accidental
Repair</option>

```

```

        <option value="paidService" <?php echo
$bookingDetails['serviceType'] == 'paidService' ? 'selected' : ''; ?>>Paid Service</option>

    </select>

</div>

<div class="col-lg-12 mb-20">

    <label>Complaint Description<span>*</span></label>

    <input type="text" name="complaint" value="<?php echo
($bookingDetails['veh_complaint']); ?>" required>

</div>

<div class="col-12 mb-20">

    <label for="country">Suggest mechanic <span>*</span></label>

    <select class="niceselect_option" id="country" name="mechanic">

        <option value="" <?php echo $bookingDetails['suggest_mech']
== '?' ? 'selected' : ''; ?>>Not Required</option>

        <?php

            $res = mysqli_query($con, "SELECT * FROM staff WHERE
staffType='mechanic'");

            while ($rs = mysqli_fetch_array($res)) {

                $data = $rs;

                ?>

                <option value="<?php echo htmlspecialchars($data['name']);
?>" <?php echo $bookingDetails['suggest_mech'] == $data['name'] ? 'selected' : ''; ?>>

```

```

        <?php echo htmlspecialchars($data['name']); ?>

        </option>

        <?php } ?>

    </select>

</div>

<div class="col-12 mb-20">

    <label for="country">Deliver Type <span>*</span></label>

    <select class="niceselect_option" name="delivery" id="country"
required>

        <option value="Req" <?php echo $bookingDetails['delivery'] ==
'Req' ? 'selected' : ''; ?>>Pick Up & Delivery Required</option>

        <option value="notReq" <?php echo $bookingDetails['delivery']
== 'notReq' ? 'selected' : ''; ?>>Not Required</option>

    </select>

</div>

<div class="login_submit">

    <button type="submit" name="add" class="btn btn-warning">Update
Booking</button>

</div>

</div>

```

```
</form>

</div>

</div>

</div>

</div>

</div>

<!--===== Book Service =====-->

<?php

if (isset($_REQUEST['add'])) {

    $userName = $_REQUEST['userName'];

    $company = $_REQUEST['company'];

    $model = $_REQUEST['model'];

    $regNo = $_REQUEST['regNo'];

    $bookingDate = $_REQUEST['bookingDate'];

    $serviceType = $_REQUEST['serviceType'];

    $complaint = $_REQUEST['complaint'];

    $mechanic = $_REQUEST['mechanic'];

    $delivery = $_REQUEST['delivery'];
```

```
$filename = $_FILES["image"]["name"];

$tempname = $_FILES["image"]["tmp_name"];

$folder = "image/" . $filename;

if (move_uploaded_file($tempname, '../assets/image/' . $filename)) {

    $qry = "UPDATE service

        SET

            user_id = '$uid',

            userName = '$userName',

            company = '$company',

            model = '$model',

            regNo = '$regNo',

            bookingDate = '$bookingDate',

            serviceType = '$serviceType',

            veh_complaint = '$complaint',

            suggest_mech = '$mechanic',

            delivery = '$delivery',

            image = '$filename'";
```

```
    echo $qry;

    if ($con->query($qry) == TRUE) {

        echo "<script>alert('Success');window.location = 'userHome.php';</script>";

    } else {

        echo "<script>alert('Failed');window.location = 'bookService.php';</script>";

    }

}

}

?>
```

### **User Service History**

```
<?php

session_start();

$uid = $_SESSION['uid'];

include '../connection/dbconnection.php';

include '../commonHeader.php';

?>
```

```
<!--breadcrumbs area start-->
```

```
<div class="breadcrumbs_area">
```

```
<div class="container">
```

```
<div class="row">
```

```
<div class="col-12">
```

```
<div class="breadcrumb_content">
```

```
<ul>
```

```
<li><a href="#">home</a></li>
```

```
<li>History</li>
```

```
</ul>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
<!--breadcrumbs area end-->
```

```
<!--blog area start-->
```

```
<div class="blog_page_section blog_sidebar blog_reverse mt-23">
```

```
<div class="container">
```

```

<div class="row">

    <?php

        $res = mysqli_query($con, "SELECT * FROM `service` WHERE `totalAmount`
IS NOT NULL AND `totalAmount` != " AND `user_id` = '$uid'

        -- OR `totalAmount` != '(NULL)'

        ");

        while ($rs = mysqli_fetch_array($res)) {

            $data = $rs;

        ?>

        <div class="col-lg-9 col-md-12">

            <div class="blog_wrapper">

                <div class="single_blog">

                    <div class="blog_thumb">

                        <a href="blog-details.html"></a>

                    </div>

                    <div class="blog_content">

                        <h3><a href="#"><?php echo $rs['company'], " ", $rs['model']
?></a></h3>

                        <div class="blog_meta">

                            <span class="author"><i class="fa fa-user-circle"></i> <?php
echo $rs['userName'] ?></span>

```



```

        <span class="post_date"><i class="fa-calendar fa"></i> <?php
echo $rs['bookingDate'] ?></span>

```

```

        <span class="category">

```

```

            Reg No: <a href="#"><?php echo $rs['regNo'] ?></a>

```

```

        </span>

```

```

    </div>

```

```

    <div class="blog_desc">

```

```

        <p> Service Type: <?php echo $rs['serviceType'] ?></p>

```

```

        <p> Service Details: <?php echo $rs['serviceDetails'] ?></p>

```

```

    </div>

```

```

    <div class="readmore_button">

```

```

        <!-- <a href="bookingConfirmation.php?id=<?php echo $rs['id']
?>& status=<?php echo 1 ?>" style="background-color: rgb(28, 204, 28);">Confirm
Booking</a> -->

```

```

        <!-- <a href="bookingConfirmation.php?id=<?php echo $rs['id']
?>& status=<?php echo 0 ?>" style="background-color: red;">Reject Booking</a> -->

```

```

    </div>

```

```

</div>

```

```

</div>

```

```

</div>

```

```

</div>

```

```
<?php
```

```
}
```

```
?>
```

```
</div>
```

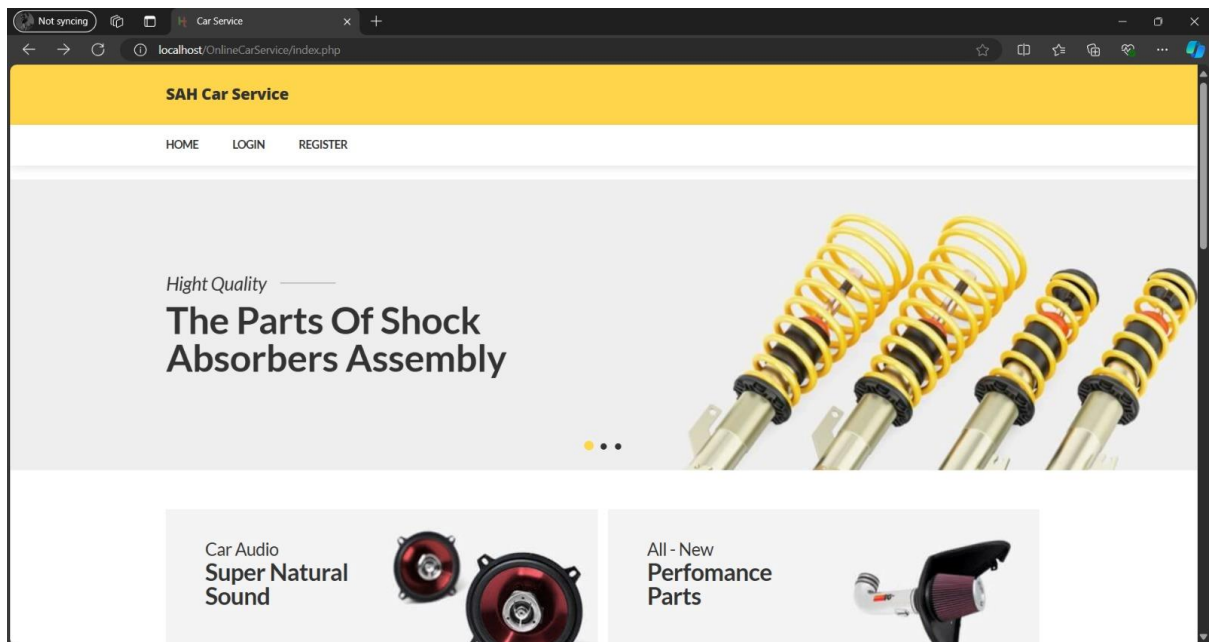
```
</div>
```

```
</div>
```

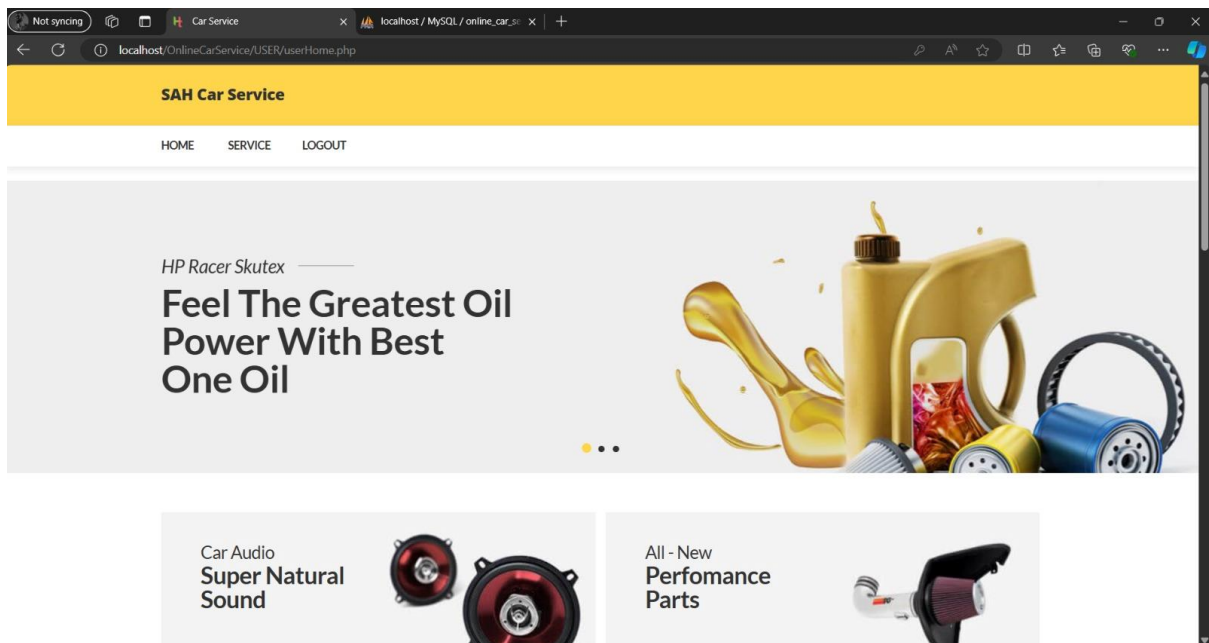
```
<!--blog area end-->
```

## C.SCREENSHOTS/WIRE FRAMES

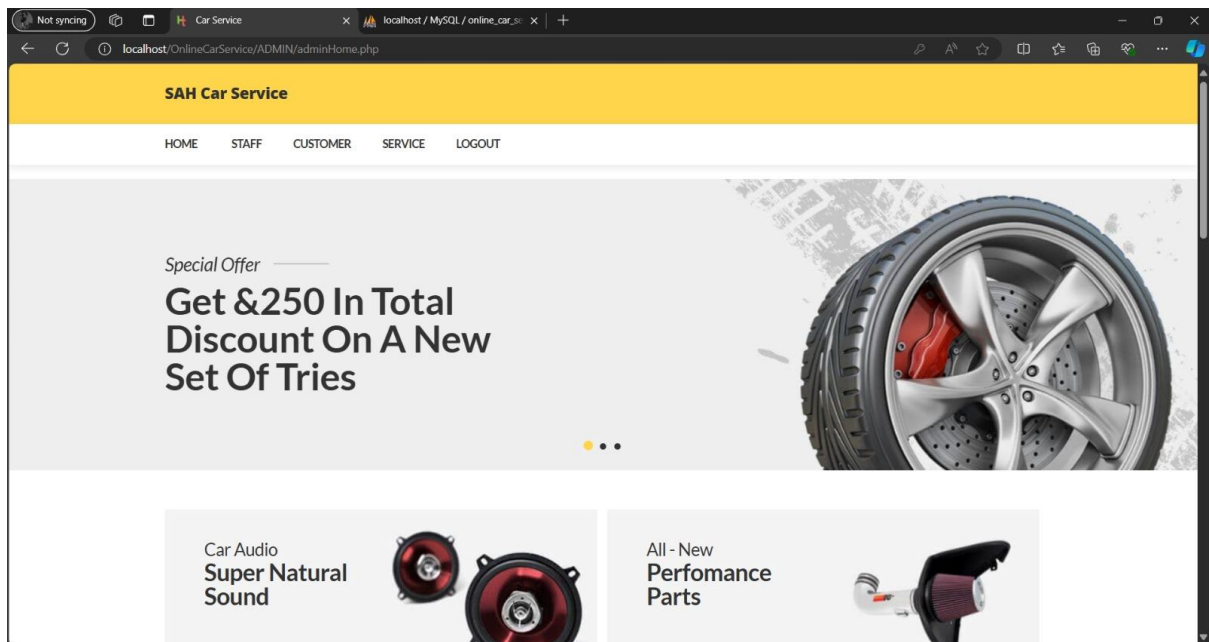
### Home Page



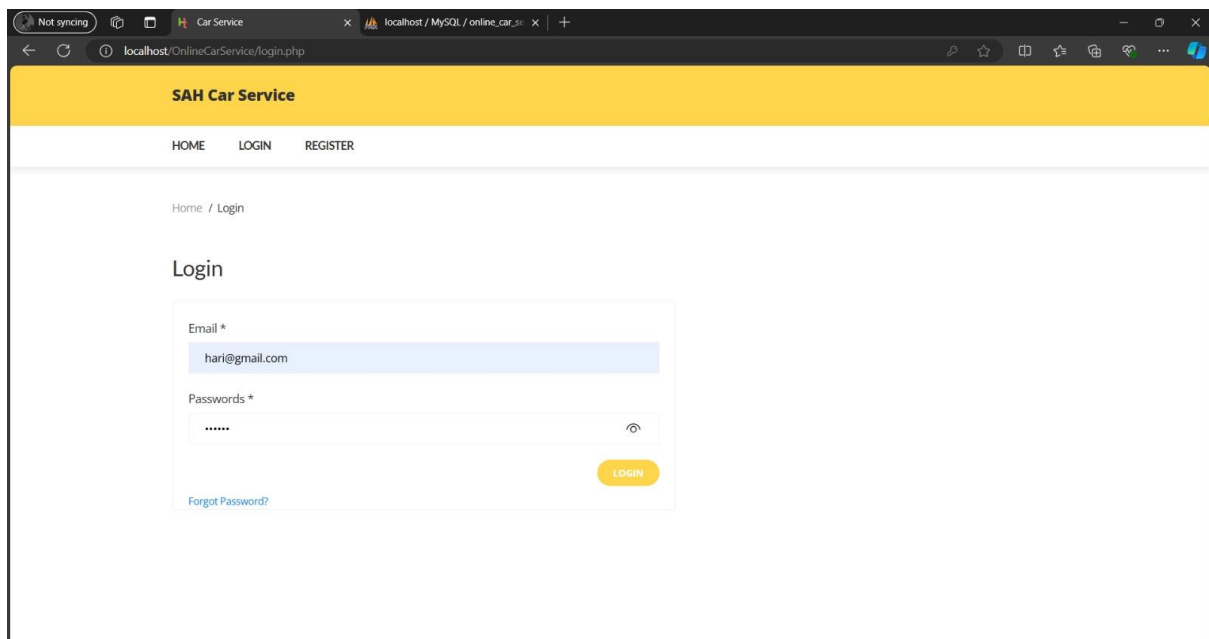
### User Home Page



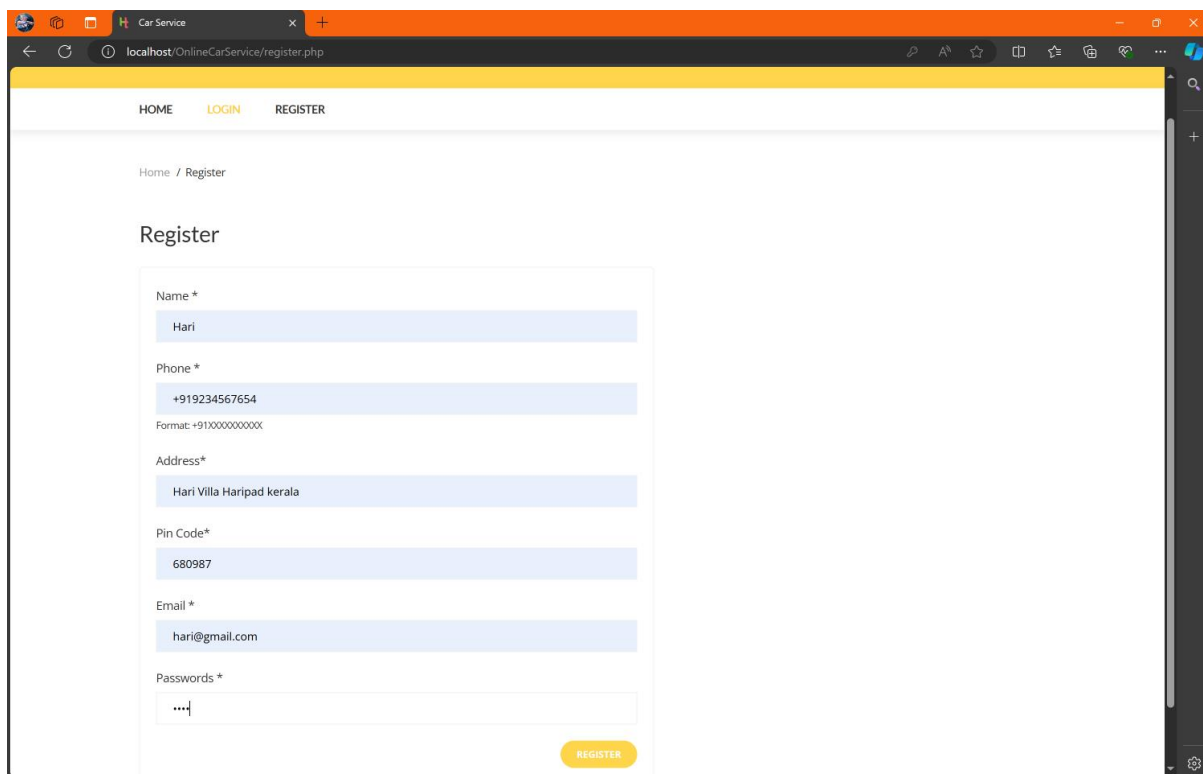
## Admin Home Page



## Login Page



## Register Page

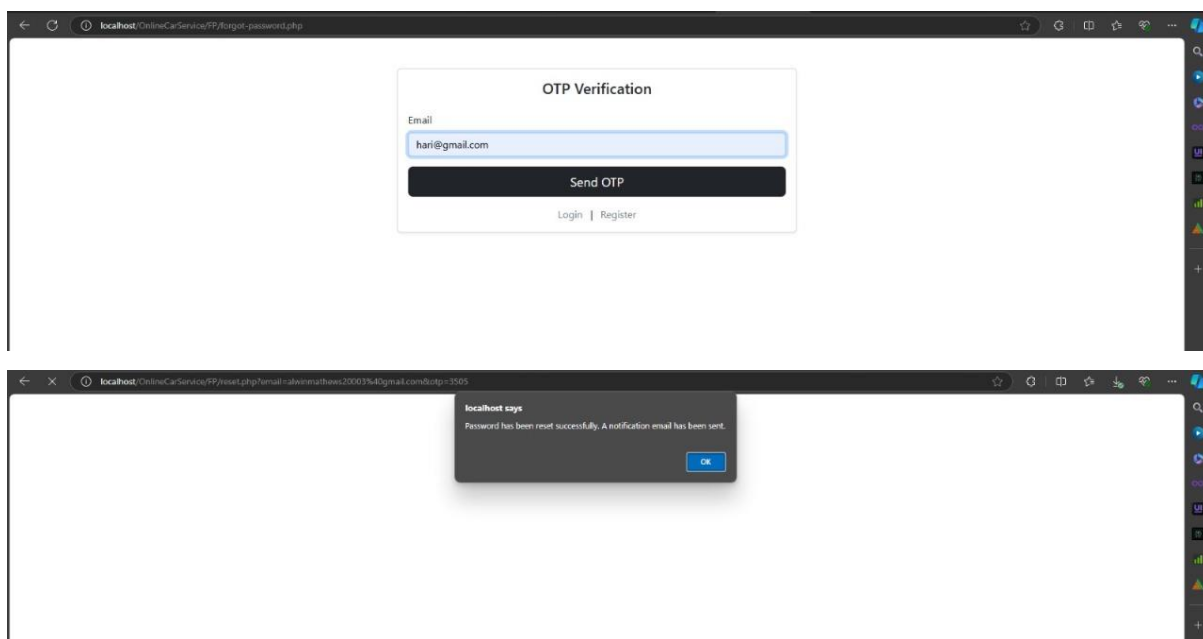


The screenshot shows a web browser window with the address bar displaying `localhost/OnlineCarService/register.php`. The page has a navigation bar with links for [HOME](#), [LOGIN](#), and [REGISTER](#). Below the navigation bar, there is a breadcrumb trail: [Home](#) / [Register](#). The main heading is **Register**. The registration form contains the following fields:

- Name \***: Input field with the value "Hari".
- Phone \***: Input field with the value "+919234567654". Below this field is a format hint: "Format: +91XXXXXXXXXX".
- Address\***: Input field with the value "Hari Villa Haripad kerala".
- Pin Code\***: Input field with the value "680987".
- Email \***: Input field with the value "hari@gmail.com".
- Passwords \***: Input field with masked characters "....".

A yellow **REGISTER** button is located at the bottom right of the form.

## Forgot Password – OTP Verification



The top screenshot shows the **OTP Verification** page in a web browser. The address bar displays `localhost/OnlineCarService/forgot-password.php`. The page contains an input field for **Email** with the value "hari@gmail.com" and a **Send OTP** button. Below the button are links for [Login](#) and [Register](#).

The bottom screenshot shows a confirmation message box from **localhost says** with the text: "Password has been reset successfully. A notification email has been sent." and an **OK** button.

## User Book Service

**BOOKSERVICE**

Customer Name  
Hari

Company\*  
bmw

Model\*  
x5

Register Number  
KL 31 MM 0369

Booking Date  
14-09-2024

Vehicle Image  
Choose File download (5).jpeg

Service Type\*  
Repair

Complaint Description\*  
re painting

Suggest mechanic\*  
Sherif K

Deliver Type\*  
Pick Up & Delivery Required

**Book Service**

## Admin Add Staff

**SAH Car Service**

HOME STAFF CUSTOMER SERVICE LOGOUT

Home / Add Staff

**Add Staff**

Name\*  
Jasmin Kutty

Email\*  
jasmin@gmail.com

Phone\*  
9123123128

Address\*  
jasmin villa kozhikode

Image\*  
Choose File images (15).jpeg

Role\*  
Delivery Boy









**ADD STAFF**

## Admin Delete Staff

SAH Car Service

HOME STAFF CUSTOMER SERVICE LOGOUT

Home / Delete Staff





| Image   | Name         | Email            | Phone      | Place      | Job      | Delete  |
|---|--------------|------------------|------------|------------|----------|---|
|  | Bob M        | Bob@Gmail.Com    | 7845678231 | Bob Villa  | Delivery |  |
|  | Sherif K     | Sherif@Gmail.Com | 8212313213 | Sherif@Gma | Mechanic |  |
|  | Manaf F      | Manaf@Gmail.Com  | 8786985565 | Manaf Mana | Delivery |  |
|  | Jasmin Kutty | Jasmin@Gmail.Com | 9123123128 | Jasmin Vil | Mechanic |  |

## Admin View Staff

SAH Car Service

HOME STAFF CUSTOMER SERVICE LOGOUT

Home / View Staff

| Image   | Name         | Email            | Phone      | Place      | Job      |
|---|--------------|------------------|------------|------------|----------|
|  | Bob M        | Bob@Gmail.Com    | 7845678231 | Bob Villa  | Delivery |
|  | Sherif K     | Sherif@Gmail.Com | 8212313213 | Sherif@Gma | Mechanic |
|  | Manaf F      | Manaf@Gmail.Com  | 8786985565 | Manaf Mana | Delivery |
|  | Jasmin Kutty | Jasmin@Gmail.Com | 9123123128 | Jasmin Vil | Mechanic |

## Admin View Customer

SAH Car Service

[HOME](#)
[STAFF](#)
[CUSTOMER](#)
[SERVICE](#)
[LOGOUT](#)

Home / View Customer



| Name        | Email                  | Phone        | Place                            |
|-------------|------------------------|--------------|----------------------------------|
| SAH Service | Sahservice10@Gmail.Com | 918567886997 | SAH Service Kallumala Mavelikara |
| Hari        | Hari@Gmail.Com         | 919234567654 | Hari Villa Haripad Kerala        |

## Admin Delete Customer

SAH Car Service

[HOME](#)
[STAFF](#)
[CUSTOMER](#)
[SERVICE](#)
[LOGOUT](#)

Home / Delete Customer

| Name        | Email                  | Phone        | Place                            | Delete  |
|-------------|------------------------|--------------|----------------------------------|---|
| SAH Service | Sahservice10@Gmail.Com | 918567886997 | SAH Service Kallumala Mavelikara |  |
| Hari        | Hari@Gmail.Com         | 919234567654 | Hari Villa Haripad Kerala        |  |



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- iii. Database System Concepts, Abraham Silberschatz, Henry F. Korth, S. Sudarshan, Seventh Edition, Mc Graw Hill Education.

## B) Site

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