SPLASHPAINTZONE
[Automobile Workshop Management Website]

Mini Project Report

Submitted by

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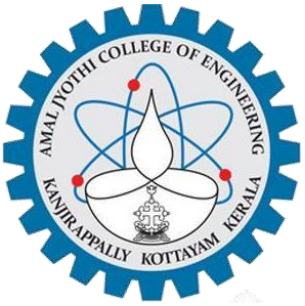
Reg. No.: AJC19MCA-I041

In Partial fulfillment for the Award of the Degree of

INTEGRATED MASTER OF COMPUTER APPLICATIONS

(INMCA)

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY



AMAL JYOTHI COLLEGE OF ENGINEERING

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2023-2024

DEPARTMENT OF COMPUTER APPLICATIONS

AMAL JYOTHI COLLEGE OF ENGINEERING

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CERTIFICATE

This is to certify that the Project report, "**SPLASHPAINTZONE"** is the bona fide work of **NANDHANA C REGHU (Regno: AJC19MCA-I041)** in partial fulfillment of the requirements for the award of the Degree of Integrated Master of Computer Applications under APJ Abdul Kalam Technological University during the year 2023-24.

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DECLARATION

I hereby declare that the project report **"SPLASHPAINTZONE"** is a bona fide work done at Amal Jyothi College of Engineering, towards the partial fulfilment of the requirements for the award of the Master of Computer Applications (MCA) from APJ Abdul Kalam Technological University, during the academic year 2023-2024.

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NANDHANA C REGHU

ABSTRACT

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The automobile industry plays a crucial role in vehicle aesthetics and protection. To succeed in this competitive sector, automobile painting workshops must embrace modern technologies and user-friendly online platforms.

This is a personalized automobile painting workshop management website project aims to create an interactive and user-friendly platform that enhances the customer experience and streamlines the process of selecting and booking automobile painting services. The project aims to cater to different modules as:

- Customers
- Employees
- Admin

The website provides a comprehensive range of modules designed to showcase services, facilitate pricing inquiries, enable appointment scheduling, and faster customer engagement.

The website's modules include a visually appealing home page that introduces the business. The services section provides detailed information about the various painting services offered, including complete car repainting, touch-up painting, and custom designs. And module contain login or sign in of users. Including the workshop's contact information and testimonials. It aims to streamline and enhance various aspects of workshop operations, customer interactions, and administrative tasks. It incorporates technological solutions to improve efficiency, customer experience, and overall business performance.

CONTENT

List of Abbreviation

Keyword	Abbreviation
IDE	Integrated Development Environment
HTML	Hyper Text Markup Language.
CSS	Cascading Style Sheet
UML	Unified Modelling Language
JS	JavaScript
AJAX	Asynchronous JavaScript and XML Environment
SQLite	Structured Query Language Lite

CHAPTER 1

INTRODUCTION

1.1 PROJECT OVERVIEW

The "Automobile Workshop Management Website" project is a forward-looking initiative designed to transform the way automobile painting workshops operate and interact with their clientele. Within the dynamic and fiercely competitive automobile sector, this project stands as evidence to modernity and improved customer experience. The central objective of this endeavor is to create an interactive and user-friendly online platform that caters to three primary user groups: Customers, Employees, and Admin. Customers gain from an easy-to-use interface that increases overall efficiency by making it easier to explore services, get price details, and make appointments. Employees, comprising mechanics, painters, and support staff, gain a streamlined system to manage appointments and monitor work progress. Owners of workshops benefit from an extensive administrative toolkit that allows them to monitor user management, operations, and performance metrics.

The website's main sections include an eye-catching home page that describes the workshop and its goals, a service section that goes into detail about the painting services provided (such as full car repainting, diagnostic test, and Car spa & cleaning), and a safe login and sign-in mechanism for users. In addition, testimonials from happy customers are clearly displayed to inspire trust and confidence in future consumers, and contact information is easily available for those requesting assistance or queries. This project is a useful answer to the needs of the digital era as well as an example of modernization. It combines technological innovation with customer-centric features to streamline the process of selecting and booking automobile painting services. The initiative's relevance in the competitive automobile industry of today stems from its ultimate goal of improving operational efficiency and creating a more attractive atmosphere for both workshop workers and customers.

1.2 PROJECT SPECIFICATION

This website allows customers to explore services, get price details, make appointments, and generally increase efficiency.

The system consists of 3 actors. They are:

- Admin.

    1. Oversee workshop operations, employee management, and user data.

2. Gain access to performance analytics for informed decision-making.
3. Monitor customer feedback and testimonials

- Employees:
  1. Efficiently manage and track customer appointments.
  2. Update the status of work orders and appointments.
  3. Access a centralized platform for work-related communications.
- Customers
  1. Access a user-friendly website for exploring services and obtaining pricing information.
  2. Schedule appointments for automobile painting services quickly and conveniently.
  3. Receive automated service updates and notifications.
  4. Provide feedback and testimonials.

CHAPTER 2

SYSTEM STUDY

2.1 INTRODUCTION

The system involved an exhaustive analysis of the existing workshop operations and the proposed online platform. The current workflow at the workshop was meticulously examined, encompassing how customers request services, the process of appointment scheduling, and how work orders are managed by employees. Valuable feedback was gathered from customers and employees, allowing for the identification of pain points and areas where automation could be beneficial. This user-centric approach was vital to ensuring that the new platform catered to the specific needs of customers, employees, and administrative staff.

In addition, an in-depth assessment of the technical infrastructure of the workshop was conducted to verify its capability to support the web-based solution efficiently. Security and privacy considerations took precedence, and evaluations were carried out to safeguard user data and financial transactions. A comprehensive market analysis and examination of competitors uncovered opportunities to provide unique features and services.

The study provided critical insights into hardware and software requirements, defining the essential technology stack. Mechanisms for collecting customer feedback and testimonials were established to enable continuous improvements. The scope of the project, encompassing user roles, appointment scheduling, employee management, and customer feedback, was distinctly outlined. The preliminary study is pivotal as it underpins the entire project, ensuring the effective enhancement of workshop management processes, customer experience, and overall business performance.

2.2 EXISTING SYSTEM

The workshop operated using traditional, manual methods. Customers had to visit or call the workshop for appointment scheduling and pricing inquiries. Information about services and the workshop was limited to physical brochures. Price estimates were only available in person. Managing work orders and customer engagement outside of in-person visits were also manual processes. Testimonials and feedback collection was not integrated into the system. This system's limitations highlighted the need for a digital platform to improve efficiency, provide information, and enhance customer experiences.

2.2.1 NATURAL SYSTEM STUDIED

In the natural system research, conventional car painting workshops were the main subject. These workshops relied on offline methods, and customers typically had to visit the workshop in person for service inquiries and price estimates. Information about services and the workshop was limited to printed brochures or verbal communication. Most of the processes, including work order management, appointment scheduling, and customer engagement, were conducted in a face-to-face and paper-based manner. Feedback collection and testimonials were not part of the existing system. This analysis highlighted the necessity of introducing a digital solution to streamline operations, improve information dissemination, and enhance customer interactions.

2.2.2 DESIGNED SYSTEM STUDIED

The user-friendly and cutting-edge platform of the created system is highlighted. This system introduces an interactive website that transforms the way traditional automobile painting workshops operate. Numerous features are available, such as an intuitive user interface, detailed service descriptions, forms for inquiring about prices, and the ability to schedule appointments online. Customers can now access detailed information about painting services, request quotes, and book appointments from the convenience of their own devices. The system also has an admin module for effectively managing workshop operations and a feedback feature for gathering client testimonials. Overall, the designed system harnesses technology to provide an enhanced and efficient experience for both customers and workshop employees.

2.3 DRAWBACKS OF EXISTING SYSTEM

- Limited Accessibility: The existing system lacks an online presence, making it less accessible to potential customers who prefer to research services and make appointments online.

- Manual Inquiries: Customers need to physically visit the workshop or contact them by phone to inquire about services and pricing, which can be time-consuming.

- Appointment Challenges: Booking appointments is primarily done through phone calls, which can lead to scheduling conflicts and missed opportunities for the workshop.

- Limited-Service Information: Detailed information about the services, such as different painting options and custom designs, is not readily available to customers.

- Inefficient Administrative Tasks: Workshop administration, including managing appointments and collecting customer feedback, is often a manual and time-consuming process.

- Limited Customer Engagement: The existing system lacks mechanisms to engage customers and gather their feedback, which is essential for improving services.

2.4 PROPOSED SYSTEM

The proposed system is all about upgrading how our automobile painting workshop operates. It's an online platform that makes things easier for our customers, employees, and administrators. Customers can visit our website to learn about our services, get price estimates, and schedule appointments without the hassle of visiting in person or calling us. It facilitates easier client interactions and streamlines appointment scheduling for our employees. Additionally, our admins are capable of handling client information and comments effectively. In order to increase productivity and enhance everyone's experience, this new method makes use of technology.

2.5 ADVANTAGES OF PROPOSED SYSTEM

- Enhanced Customer Experience: Customers can easily browse services, get pricing information, and book appointments online, providing a hassle-free experience.
- Streamlined Employee Operations: Employees can manage appointments and customer interactions more efficiently, reducing administrative tasks.
- Effective Data Management: Administrators can better handle customer data, feedback, and appointments, making the process smoother and more organized.
- Improved Efficiency: The system automates many tasks, speeding up the booking process and reducing the chances of errors.
- 24/7 Accessibility: Customers can access the platform at any time, providing them with flexibility and convenience.
- Business Growth: With a modern online presence, the workshop can attract more customers and expand its services.

- Cost-Effective: Reduces the need for manual record-keeping and data entry, saving time and resources.
- Improved Communication: Customers can easily get in touch with the workshop, enhancing communication.
- Feedback Collection: The system allows for the collection of customer feedback to improve services continuously.
- User-Friendly Interface: The platform is designed to be easy to navigate, ensuring a positive user experience.

CHAPTER 3
REQUIREMENT ANALYSIS

3.1 FEASIBILITY STUDY

A feasibility study is carried out to ascertain if, if fully completed, the proposed project will successfully meet the organization's objective in terms of labor, resources, and time. The project developer can forecast the project's viability and future prospects with the help of a feasibility study. The fundamental component of a feasibility study is an evaluation of the proposed system's viability, with particular emphasis on its organizational influence, user-satisfaction potential, and optimal resource use. Therefore, before authorizing the creation of a unique application, it is standard procedure to do a feasibility assessment. The project's potential is further discussed and a thorough analysis is included in the present paper.

3.1.1 Economical Feasibility

The economic feasibility analysis is a crucial step before a company decides to fund a project. It aims to determine if the project's potential benefits outweigh the time and financial investments required. In the case of the SPLASH PAINTZONE, the online system offers streamlines operations, simplifies customer interactions, and improves overall efficiency. The ease of handling the system implies reduced training costs and improved productivity. Additionally, an online platform can potentially attract a broader customer base and increase revenue streams.
Considering these factors, the project appears to be economically feasible. The initial costs of web development, hosting, and other expenses are justified by the potential benefits. Some queries are raised during the investigation includes the following:

- The costs conduct a full system investigation?

  The proposed system is developed as part of project work, there is no manual cost to spend for the proposed system.

- The cost of the hardware and software?

  All the resources are already available.

3.1.2 Technical Feasibility

A difficult part of completing a feasibility study is evaluating the technical feasibility. The foundations for the evaluations of the feasibility must be the basic design of the system requirements in terms of inputs and outputs, programs, and processes. Following the creation of an outline, further research is required to determine the type of equipment required. There are numerous ways to use the system after it has been developed.

- Is the project feasible within the limits of current technology: Yes

- Technical issues raised during the investigation are: Nothing
- Can the technology be easily applied to current problems? Yes
- Does the technology have the capacity to handle the solution? Yes

3.1.3 Behavioral Feasibility

The essential elements such as feedback mechanisms and clear communication channels ensures the successful user adoption and acceptance of the website. All behavioral aspects are considered carefully and conclude that the project is behaviorally feasible. The proposed system includes the following questions:

- Is there sufficient support for the users?

  Yes
- Will the proposed system cause harm?

  No

3.1.4 Feasibility Study Questionnaire

1. **Project Overview?**

This is a personalized automobile painting management workshop website project aims to create an interactive and user-friendly platform that enhances the customer experience and streamlines the process of selecting and booking automobile painting services. The website aims to cater to different user types, including customers, employees, and administrators. The website provides a comprehensive range of modules designed to showcase services, display a portfolio of previous work, facilitate pricing inquiries, enable appointment scheduling, and faster customer engagement. The website's modules include a visually appealing home page that introduces the business. The services section provides detailed information about the various painting services offered, including complete vehicle repainting, color change, touchup painting, and custom designs. And module contain login or sign in of users. Including the workshop's contact information and testimonials. It aims to streamline and enhance various aspects of workshop operations, customer interactions, and administrative tasks. It incorporates technological solutions to improve efficiency, customer experience, and overall business performance.

2. **To what extend the system is proposed for?**

The proposed system aims to comprehensively address the automobile painting management needs, including appointment scheduling, paint color selection, service tracking, customer communication, and additional service add-ons, ensuring a seamless and efficient painting process

for both customers and employees.

3. **Specify the Viewers/Public which is to be involved in the System?**
   General Customers and employees
4. **List the Modules included in your System?**
   Administrators, Customers, Employees and Guest Users
5. **Identify the users in your project?**
   Guest Users and Customers
6. **Who owns the system?**
   Administrators
7. **System is related to which firm/industry/organization?**
   It is specifically designed for automobile painting workshops shops that offer professional painting services for cars.
8. **Details of person that you have contacted for data collection?**
   Reghu C K [Paintzone Workshop, Ponkunnam]

Questionnaire to collect details about the project?

1. **How do you communicate with customers to understand their painting requirements?**
   We use a combination of in-person consultations and digital communication channels (phone calls) to understand our customers' painting requirements.
2. **Is there a process for managing customer expectations and feedback?**
   Yes, we have a formal process in place to manage customer expectations and collect feedback through post-service surveys and regular follow-up communication.
3. **Are there any challenges related to scheduling, prioritizing, or managing multiple painting projects simultaneously?**
   Yes, challenges related to scheduling, prioritizing, or managing multiple painting projects simultaneously include coordinating available resources, ensuring timely completion, and preventing project delays.
4. **How are after-sales service and support handled in case customers encounter issues after the painting job?**
   After the painting job, if customers encounter any issues, the workshop provides prompt after-sales service and support to address and resolve the concerns.
5. **Are there any resources or materials provided to help customers make informed decisions?**

Yes, the workshop provides resources and materials to help customers make informed decisions about different paint options, color choices, and their potential effects on the appearance of their vehicles.

6. **How are the billing and payment processes managed in such collaborations?**
   In collaborations with insurance companies, billing and payment processes are typically handled through direct coordination between the workshop and the insurance provider.
7. **Are there any plans to expand the workshop's online presence?**
   Yes, the workshop is actively considering plans to expand its online presence.
8. **How does the workshop ensure accurate color matching for vehicle painting, especially for older or custom vehicles?**
   The workshop ensures accurate color matching for vehicle painting, especially for older or custom vehicles, by using specialized color-matching technology and experienced painters who carefully analyze and adjust the paint until it matches the original or desired color.
9. **How has this digital feature impacted customer convenience and workshop efficiency?**
   The digital feature of online booking and scheduling has improved customer convenience by allowing them to easily request painting services and has increased workshop efficiency by streamlining the appointment process.
10. **Does the workshop offer an online booking or scheduling system for customers to request painting services?**
    Yes, the workshop offers an online booking and scheduling system for customers to request painting services.

3.1 SYSTEM SPECIFICATION

3.2.1 Hardware Specification

Processor - 12th Gen Intel(R) Core (TM) i5-1235U 1.30 GHz

RAM - 8.00 GB

Hard disk - 1TB

3.2.2 Software Specification

Front End - HTML, CSS

Back End - Python, Django

Database - SQLite

Client on PC - Windows 7 and above.

Technologies used - JS, HTML5, AJAX, J Query, CSS

3.3 SOFTWARE DESCRIPTION

3.3.1 Python

Python is a versatile and widely used programming language, prized for its readability and ease of use. Its simple syntax and extensive library support, including frameworks like Django and Flask, expedite development. Python finds applications across web development, data analysis, machine learning, and more. Its platform independence and scalability make it suitable for various operating systems and evolving project needs. In the proposed system, Python forms the foundation for backend development, core functionality, data processing, and integration with different tools and frameworks, enabling the creation of an efficient online platform for purchasing home appliances.

3.3.2 Django

Django is a high-level Python web framework known for its simplicity and efficiency in web application development. It follows the "batteries-included" philosophy, offering a wide range of built-in features and tools that empower developers to create robust, scalable, and secure web applications. Django promotes the DRY (Don't Repeat Yourself) principle, making it easy to build complex applications with clean, maintainable code. It includes an Object-Relational Mapping (ORM) system for database interactions, a templating engine for designing user interfaces, and a secure authentication system. Django's built-in admin interface simplifies content management and data handling. With a strong community, extensive documentation, and a rich ecosystem of third-party packages, Django remains a top choice for web developers aiming to streamline the development process and deliver high-quality web applications.

3.3.3 SQLite

SQLite is a lightweight and self-contained relational database management system. It's known for its simplicity, speed, and ease of integration, making it a popular choice for embedded systems and applications. SQLite operates without a separate server process and allows direct access to the database using a simple and efficient query language. It's ideal for small to medium-sized applications, especially those that need a local data store. In the proposed system, SQLite serves as the backend database, efficiently managing and storing essential data related to home appliances, user accounts, transactions, and more, ensuring a seamless and reliable user

experience.

- Self-Contained: SQLite is a self-contained DBMS, meaning it doesn't require a separate server process. The entire database is stored in a single file on the disk.
- Zero Configuration: Unlike many other database systems, SQLite requires minimal to no configuration. You can start using it by just including the library in your project.
- Serverless Architecture: It operates without a central server, allowing applications to access the database directly, simplifying setup and reducing latency.
- ACID Compliant: SQLite ensures data reliability through ACID (Atomicity, Consistency, Isolation, Durability) compliance, guaranteeing that transactions are processed reliably.

CHAPTER 4
SYSTEM DESIGN

4.1 INTRODUCTION

The design phase represents the initial stage in developing any system or product, where creativity and precision are paramount. It involves employing various techniques and concepts to comprehensively outline a system or process, making it ready for implementation. In the realm of software engineering, the design phase is indispensable, irrespective of the chosen development approach. It acts as the technical foundation of the software engineering process, aiming to establish the intricate architecture necessary for constructing a system or product.

During the design phase of this program, meticulous attention was given to optimizing efficiency, performance, and precision in all aspects. This phase involved the transformation of a user-centric document into one that is tailored for programmers or database personnel, ensuring a seamless transition from concept to reality.

4.2 UML DIAGRAM

The Unified Modelling Language (UML) is a standard dialect used for planning, conceptualizing, describing, and visualizing program frameworks. The Question Administration Gather (OMG) proved to be a reliable source for UML creation; the UML 1.0 definition's first draft was released in January 1997. UML is not the same as programming dialects like Java, C++, and COBOL. It could be a pictorial language used for program blueprints and a nonexclusive visual exhibiting language used for computer program frameworks. Although UML is generally used to talk to program frameworks, it may also be used for non-software frameworks, like creating forms.

- Class diagram
- Object diagram
- Use case diagram
- Sequence diagram
- Collaboration diagram
- Activity diagram
- State chart diagram
- Deployment diagram
- Component diagram

4.2.1 USE CASE DIAGRAM

A use case diagram is like a map showing how people and things interact with a system. It's used to figure out what a system needs to do based on what its users want. Think of it as a blueprint for creating a system. Use cases are like the building blocks to understand what a system should do. They can be used in lots of situations, from setting up requirements to making sure everything works well. For example, in businesses, use cases can be used for things like customer service, ordering products, or handling payments.

Use cases can be employed to accomplish a variety of framework goals, such as establishing basic requirements, verifying equipment plans, testing and analyzing programs, generating online help references, or carrying out client support duties. In the context of item deals, customer service, product acquisition, catalog revamping, and payment processing are essentially a few examples of use cases.

The diagram has a few main parts:

1. The system boundary, which tells us what's inside and outside the system.
2. Actors, which are like the people or things using the system.
3. Use cases, which are the actions or jobs the system can do.
4. Lines showing how actors and use cases are connected.

To make a good diagram, you should:

- Give use cases names that make it clear what they do.
- Give actors names that explain their roles.
- Make sure the diagram shows the connections accurately, without going into too much detail.
- Look at your notes if you need more info.

Following these steps helps create a clear and simple diagram to understand what the system needs to do.

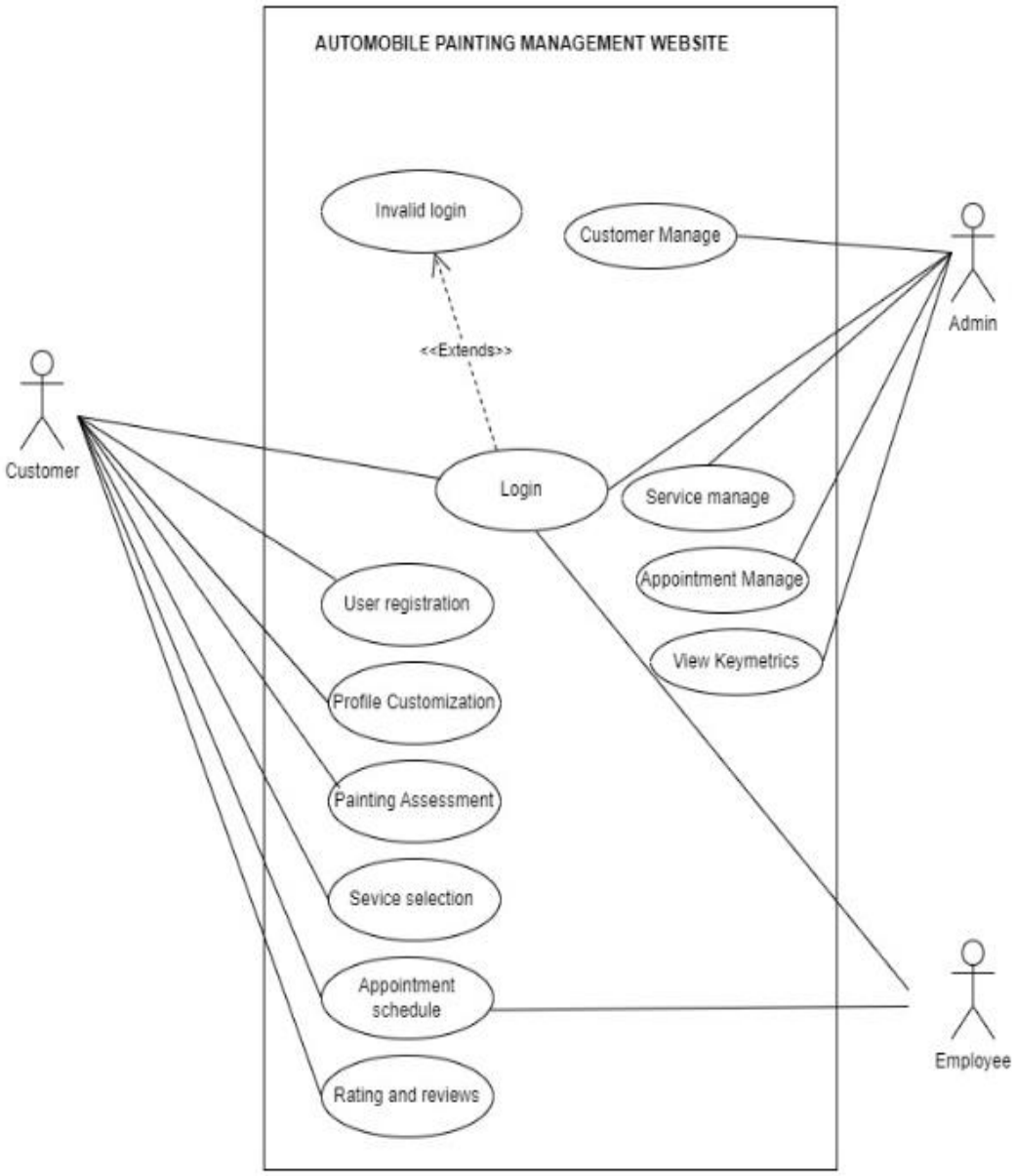


Fig 1: Use case diagram for Automobile Painting Workshop Management Website

4.2.1 SEQUENCE DIAGRAM

The chronological order of interactions between various system components is shown in a sequence diagram, a form of interaction diagram. It demonstrates how several things communicate with one another over the course of a series of messages. These images are sometimes referred to as event scenarios or event scenarios diagrams. In software engineering, sequence diagrams are frequently used to describe and comprehend the needs of both new and old systems. They support the visualization of object control relationships and the detection of systemic issues.

Sequence Diagram Notations:

i. Actors – In UML, a role that interacts with the system and its objects is represented by an actor. Actors frequently exist outside of the system that the UML diagram is intended to portray. Actors can play a variety of roles, including those of external topics or human users. A stick person notation is used in UML diagrams to represent actors. Depending on the situation that is being modelled, a sequence diagram may have more than one actor.

ii. Lifelines – A lifeline in a sequence diagram is a vertical dashed line that represents the lifespan of an object participating in the interaction. Each lifeline represents an individual participant in the sequence of events and is labeled with the name of the participant. The lifeline shows the timeline of events for the participant and is drawn as a vertical line extending from the participant's activation point to its deactivation point.

iii. Messages - Messages are a key component of sequence diagrams, representing the interactions and communication between objects or components in a system. They can be categorized into synchronous and asynchronous messages, create and delete messages, self-messages, reply messages, found messages, and lost messages. Guards are also used to model conditions and restrictions on message flow.

iv. Guards- Guards in UML are used to model conditions and are employed to restrict the flow of messages when a certain condition is met. This feature is essential for letting software developers know about any constraints or limitations associated with a system or a particular process.

Uses of sequence diagram:

- Modeling and visualizing the logic of complex functions, operations, or procedures.
- Showing details of UML use case diagrams.
- Understanding the detailed functionality of current or future systems.
- Visualizing how messages and tasks move between objects or components in system.
- Overall, sequence diagrams are useful for representing the flow of interactions between objects in a system, and can help both businesspeople and software engineers better understand and communicate system requirements and behavior.

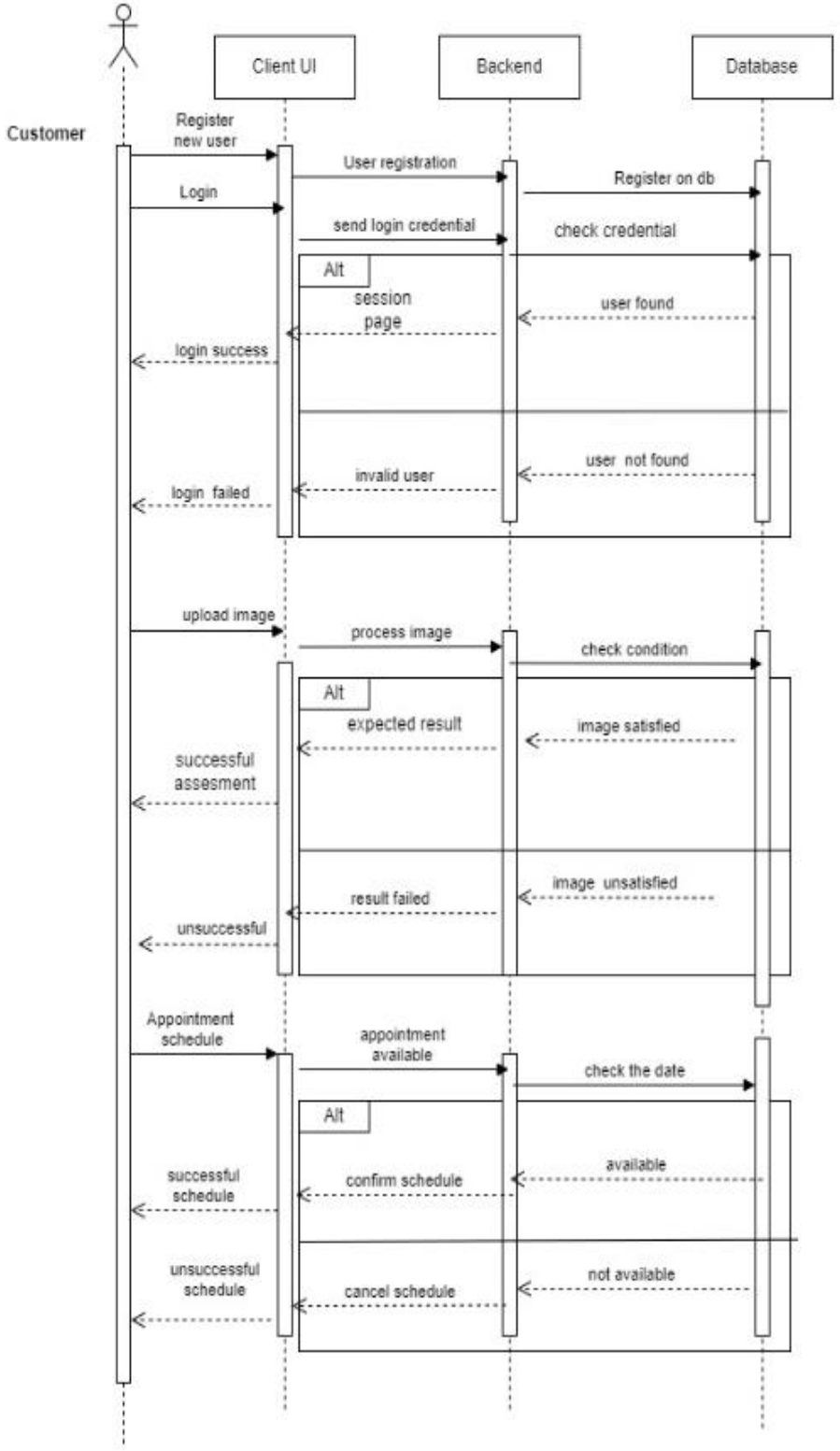


Fig 2: Sequence diagram for Automobile Painting Workshop Management Website

4.2.2 State Chart Diagram

A state diagram is a visual representation, often created using the Unified Modeling Language (UML), that shows the different states that an object can exist in and how it can transition between those states. It is also referred to as a state machine diagram or state chart diagram.

The State Chart Diagram is a behavioral diagram in UML that describes the behavior of a system or object over time. It includes various elements such as:

- Initial State - This state represents the starting point of the system or object and is denoted by a solid black circle.
- State - This element describes the current state of the system or object at a specific point in time and is represented by a rectangle with rounded corners.
- Transition - This element shows the movement of the system or object from one state to another and is represented by an arrow.
- Event and Action - An event is a trigger that causes a transition to occur, and an action is the behavior or effect of the transition.
- Signal - A message or trigger caused by an event that is sent to a state, causing a transition to occur.
- Final State - The State Chart Diagram ends with a Final State element, which is represented by a solid black circle with a dot inside. It indicates that the behavior of the system or object has completed.

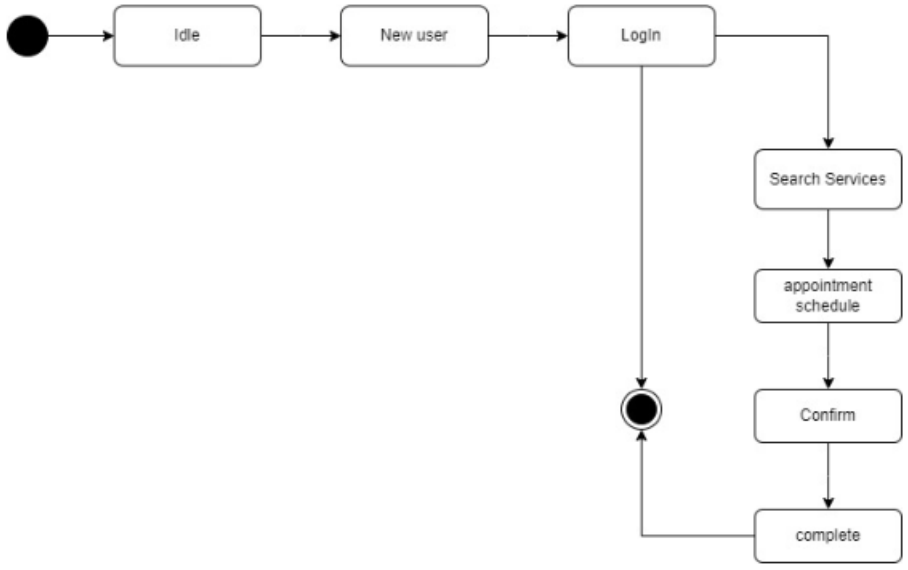


Fig 3: State Chart diagram for Automobile Painting Workshop Management Website

4.2.2 Activity Diagram

An activity diagram is a visual representation of a workflow that shows how one activity leads to another. An activity is referred to as a system operation, and one operation leads to another in the control flow. A flow can be parallel, concurrent, or branched, and activity diagrams use various functions such as branching, joining, etc., to manage all types of flow control. Activity diagrams are a type of behavior diagram that shows the behavior of a system. They show the flow of control from the start point to the end point and show the different decision paths that exist during the execution of the activity.

The key components of an activity diagram are:

- Initial node - A starting point of the activity diagram, denoted by a black circle.
- Activity - A task or action performed by the system or entity, represented by a rectangle with rounded corners.
- Control flow - It represents the sequence of activities or actions performed by the system or entity, represented by an arrow.
- Decision node - A decision or branching point in the activity flow, denoted by a diamond shape.
- Merge node - Used to merge multiple branches of the activity flow into a single flow, represented by a diamond shape with a plus sign inside.
- Fork node - Used to split the activity flow into multiple parallel flows, represented by a solid black circle with multiple arrows.
- Join node - Used to join multiple parallel flows back into a single flow, represented by a solid black circle with multiple arrows pointing towards it.
- Final node - The end point of the activity diagram, denoted by a black circle with a dot inside.
- Object flow - Represents the flow of objects or data between activities, represented by a dashed arrow.

Activity diagrams are useful in clarifying complex processes, identifying potential issues, and communicating process flows to stakeholders and project team members.

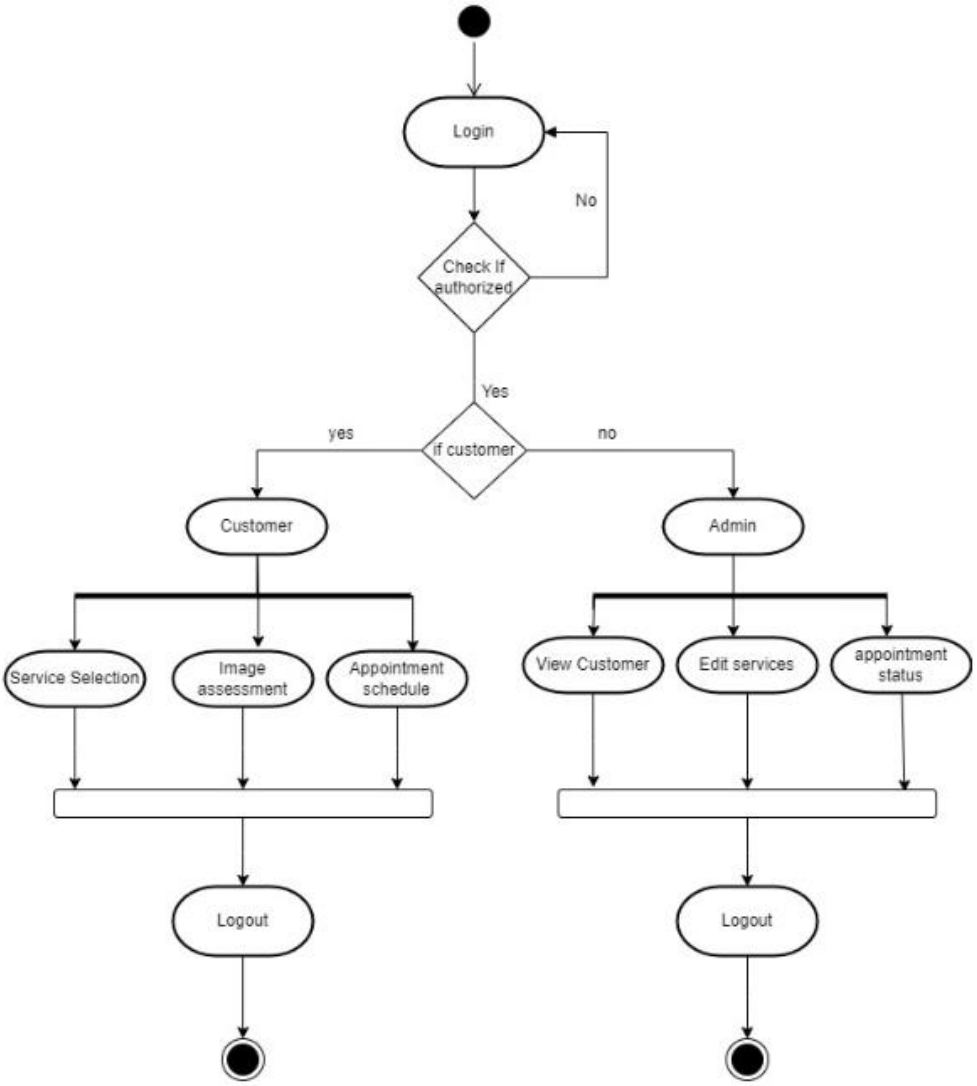


Fig 4: Activity diagram for Automobile Painting Workshop Management Website

4.2.3 Class Diagram

The class diagram is a fundamental component of object-oriented modeling and serves as the primary means of conceptual modeling for the structure of an application. Additionally, class diagrams can be used for detailed modeling that can be translated into programming code. They can also be employed for data modeling purposes. Class diagrams are a crucial component of UML used to represent classes, objects, interfaces, and their relationships and attributes in a system.

Some important components of a class diagram are:

- Class: It is a blueprint or template for creating objects and is represented as a rectangle with the class name, attributes, and methods.
- Interface: It is a collection of abstract methods that specify a contract between a class and the outside world. It is represented as a circle with the interface name inside.
- Object: It is an instance of a class with state and behavior. It is represented as a rectangle with the object name inside.
- Association: It is a relationship between two classes that represents a connection or link and is represented as a line with optional directionality, multiplicity, and role names.
- Aggregation: It is a part-whole relationship where the whole (aggregator) is composed of parts (aggregates) and is represented as a diamond shape on the aggregator side.
- Composition: It is a stronger form of aggregation where the parts cannot exist without the whole and is represented as a filled diamond shape on the aggregator side.
- Inheritance: It is a relationship between a superclass and its subclasses that represents an "is-a" relationship and is represented as a line with an open arrowhead pointing from the subclass to the superclass.
- Dependency: It is a relationship where a change in one class may affect the other class and is represented as a dashed line with an arrowhead pointing from the dependent class to the independent class.
- Multiplicity: It represents the number of instances of a class that can be associated with another class and is represented as a range of values near the association or aggregation line.

Class diagrams are essential in designing and modeling object-oriented software systems as they provide a visual representation of the system's structure, its functionality, and the relationships between its objects. They facilitate software development, maintenance, and improve communication among team members.

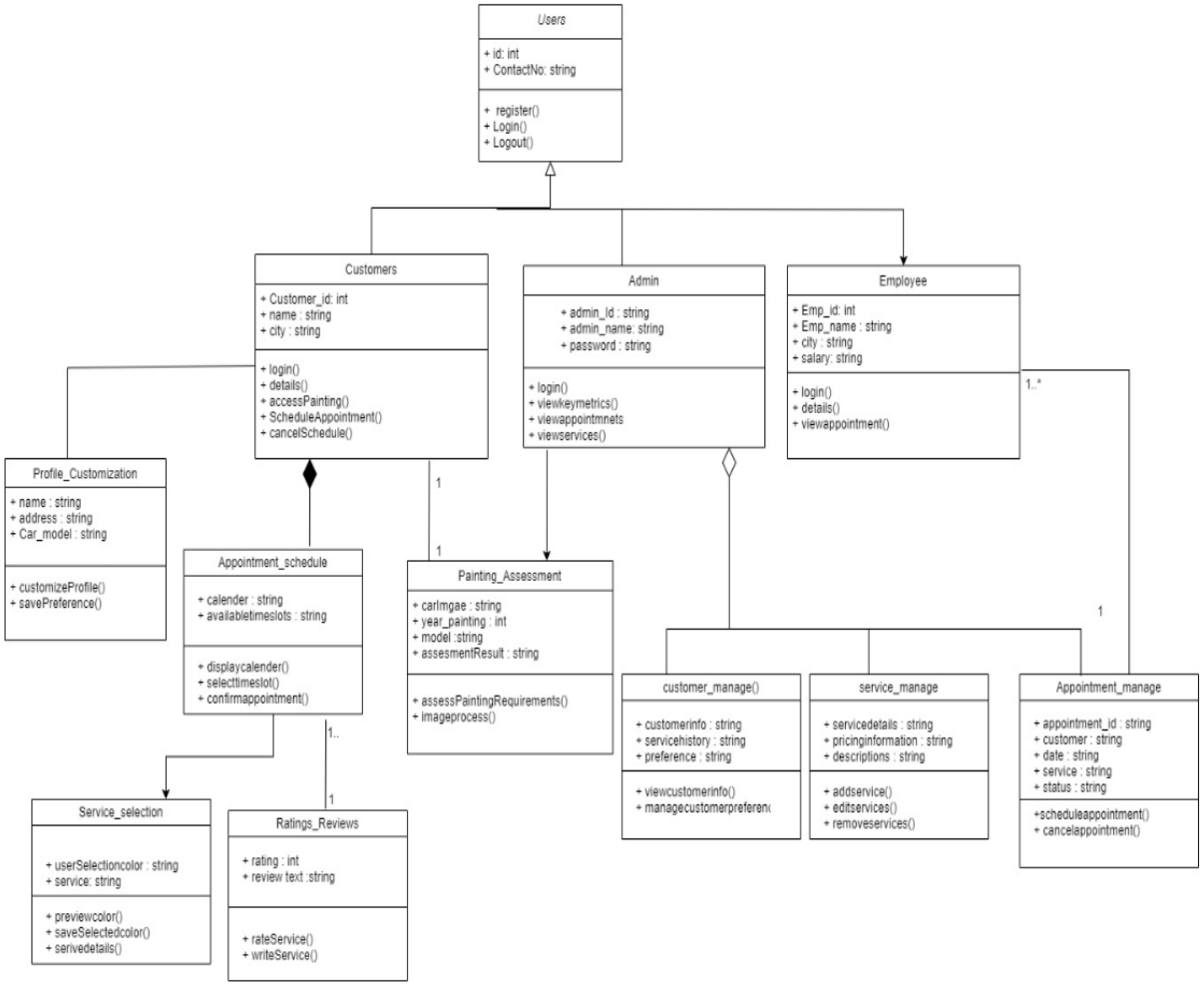


Fig 5: Class diagram for Automobile Painting Workshop Management Website

4.2.4 Object Diagram

Class diagrams and object diagrams are closely related in object-oriented modeling. Object diagrams are instances of class diagrams, which represent a snapshot of the system at a given moment in time. Both types of diagrams use the same concepts and notation to represent the structure of a system. While class diagrams are used to model the structure of the system, including its classes, attributes, and methods, object diagrams represent a group of objects and their connections at a specific point in time.

An object diagram is a type of structural diagram in UML that shows instances of classes and their relationships. The main components of an object diagram include:

- Object: An object is an instance of a class that represents a specific entity in the system. It is represented as a rectangle with the object name inside.

- Class: A class is a blueprint or template for creating objects that defines its attributes and methods. It is represented as a rectangle with three compartments for the class name, attributes, and methods.
- Link: A link is a relationship between two objects that represents a connection or association. It is represented as a line connecting two objects with optional labels.
- Attribute: An attribute is a property or characteristic of an object that describes its state. It is represented as a name-value pair inside the object rectangle.
- Value: A value is a specific instance or setting of an attribute. It is represented as a value inside the attribute name-value pair.
- Operation: An operation is a behavior or action that an object can perform. It is represented as a method name inside the class rectangle.
- Multiplicity: Multiplicity represents the number of instances of a class that can be associated with another class. It is represented as a range of values (e.g. 0..1, 1..*, etc.) near the link between objects.

Object diagrams help to visualize the relationships between objects and their attributes in a system. They are useful for understanding the behavior of a system at a specific point in time and for identifying potential issues or inefficiencies in the system.

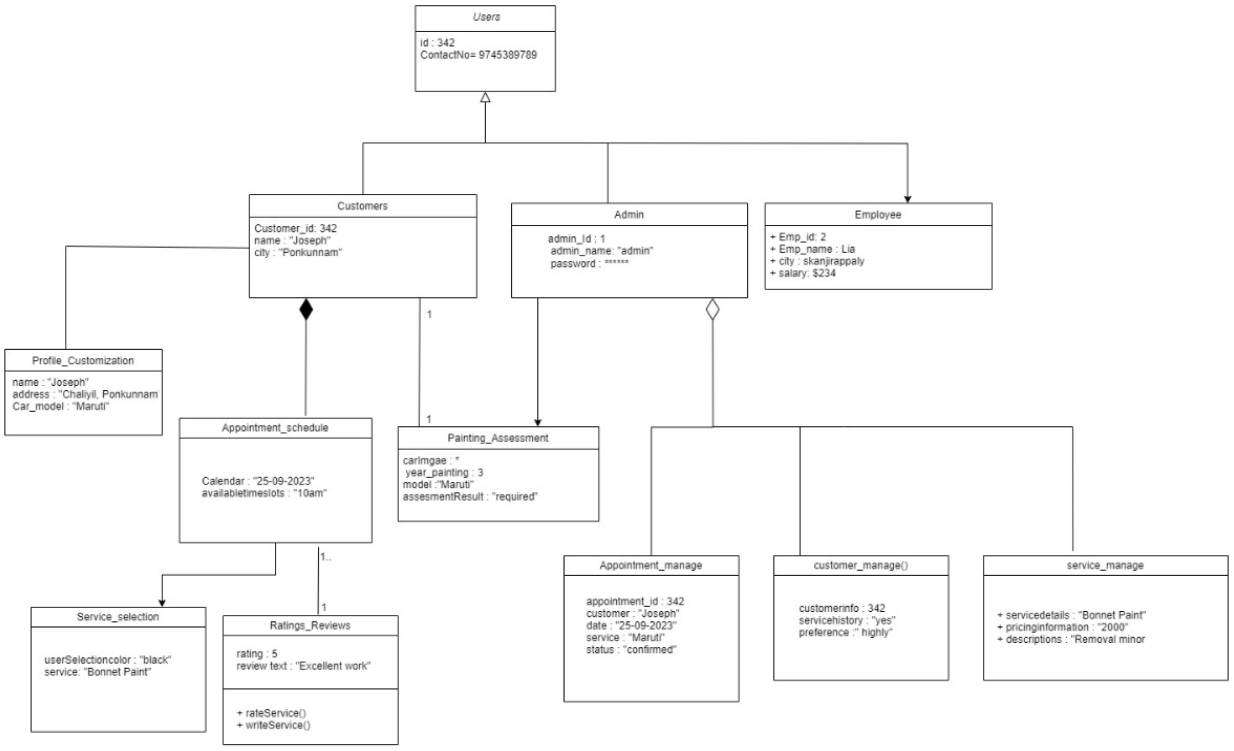


Fig 6: Object diagram for Automobile Painting Workshop Management Website

4.2.5 Component Diagram

A component diagram in UML illustrates how various components are interconnected to create larger components or software systems. It is an effective tool for representing the structure of complex systems with multiple components. By using component diagrams, developers can easily visualize the internal structure of a software system and understand how different components work together to accomplish a specific task.

Its key components include:

- Component: A modular and encapsulated unit of functionality in a system that offers interfaces to interact with other components. It is represented as a rectangle with the component name inside.
- Interface: A contract between a component and its environment or other components, specifying a set of methods that can be used by other components. It is represented as a circle with the interface name inside.
- Port: A point of interaction between a component and its environment or other components. It is represented as a small square on the boundary of a component.
- Connector: A link between two components that enables communication or data exchange. It is represented as a line with optional adornments and labels.
- Dependency: A relationship between two components where one component depends on another for its implementation or functionality. It is represented as a dashed line with an arrowhead pointing from the dependent component to the independent component.
- Association: A relationship between two components that represents a connection or link. It is represented as a line connecting two components with optional directionality, multiplicity, and role names.
- Provided/Required Interface: A provided interface is an interface that a component offers to other components, while a required interface is an interface that a component needs from other components to function properly. These are represented by lollipops and half-circles respectively.

Component diagrams are useful for modeling the architecture of a software system, and can help identify potential issues and improvements in the design. They can also be used to communicate the structure and behavior of a system to stakeholders, such as developers and project managers.

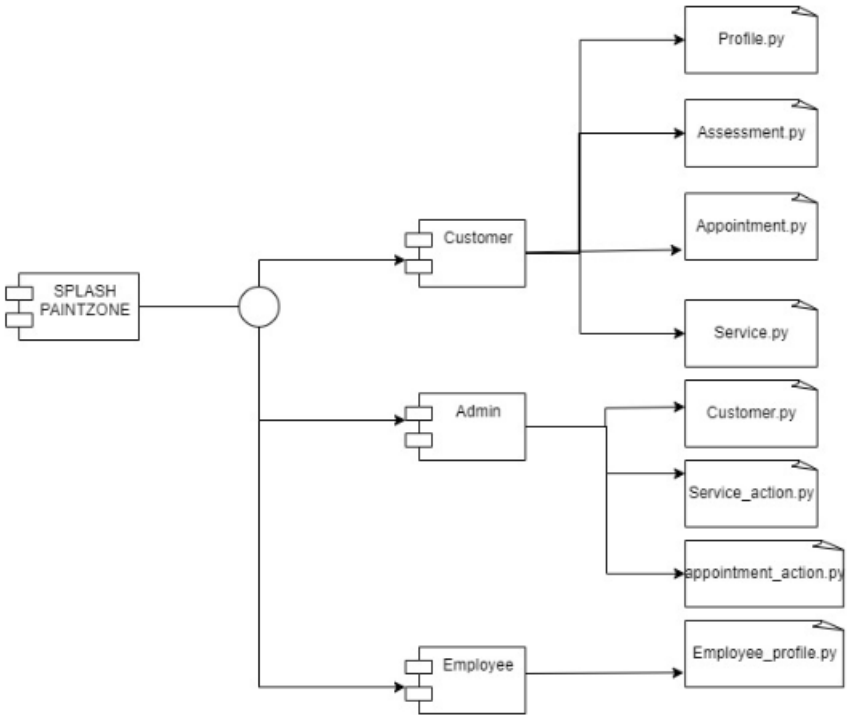


Fig 7: Component diagram for Automobile Painting Workshop Management Website

4.2.8 Deployment Diagram

A deployment diagram is a type of UML diagram that focuses on the physical hardware used to deploy software. It provides a static view of a system's deployment and involves nodes and their relationships. The deployment diagram maps the software architecture to the physical system architecture, showing how the software will be executed on nodes. Communication paths are used to illustrate the relationships between the nodes. Unlike other UML diagram types, which focus on the logical components of a system, the deployment diagram emphasizes the hardware topology.

The key components of a deployment diagram are:

- Node - A node is a physical or virtual machine on which a component or artifact is deployed. It is represented by a box with the node's name inside.
- Component - A component is a software element that performs a specific function or provides a specific service. It is represented by a rectangle with the component's name inside.
- Artifact - An artifact is a physical piece of data that is used or produced by a component. It is represented by a rectangle with the artifact's name inside.

- Deployment Specification - A deployment specification describes how a component or artifact is deployed on a node. It includes information about the location, version, and configuration parameters of the component or artifact.
- Association - An association is a relationship between a node and a component or artifact that represents a deployment dependency. It is represented by a line connecting the two components with optional directionality, multiplicity, and role names.
- Communication Path - A communication path represents the connection between nodes, such as a network connection or communication channel. It is represented by a line with optional labels and adornments.

Deployment diagrams help in visualizing the physical architecture of a system and identifying any potential issues or bottlenecks in the deployment process. They also aid in planning the deployment strategy and optimizing the use of hardware resources.

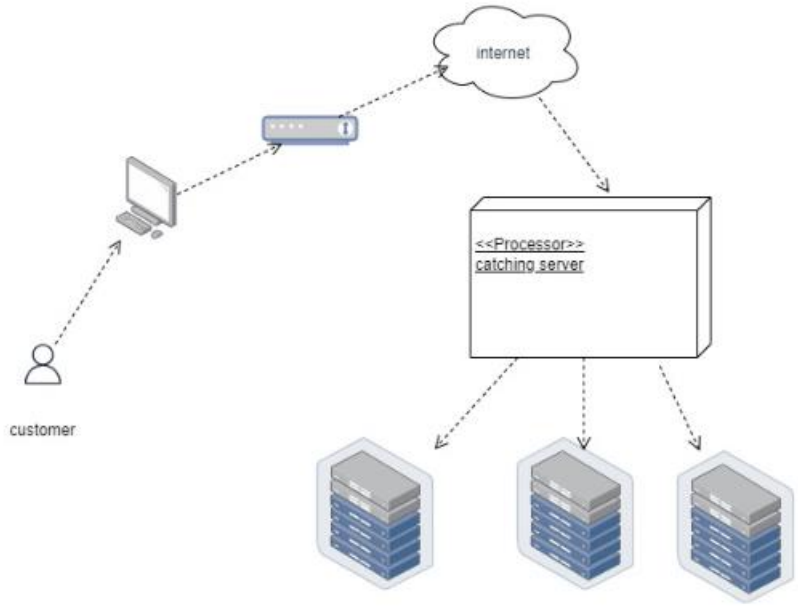
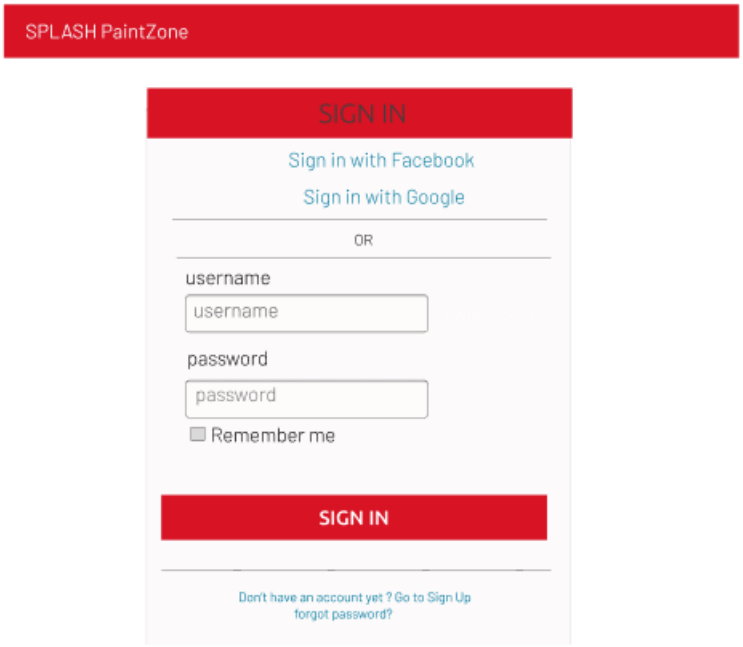


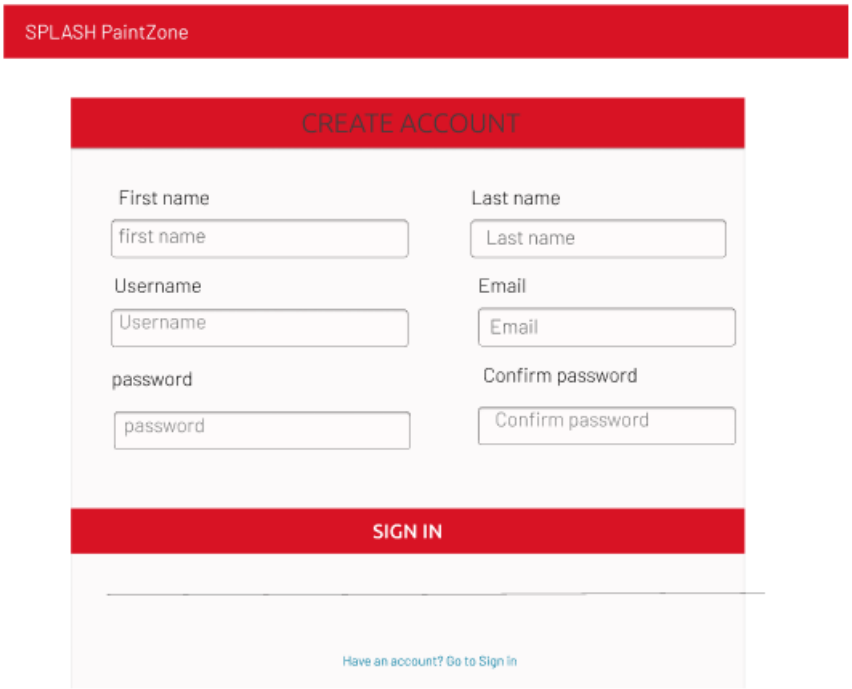
Fig 8: Deployment diagram for Automobile Painting Workshop Management Website

4.3 USER INTERFACE DESIGN USING FIGMA

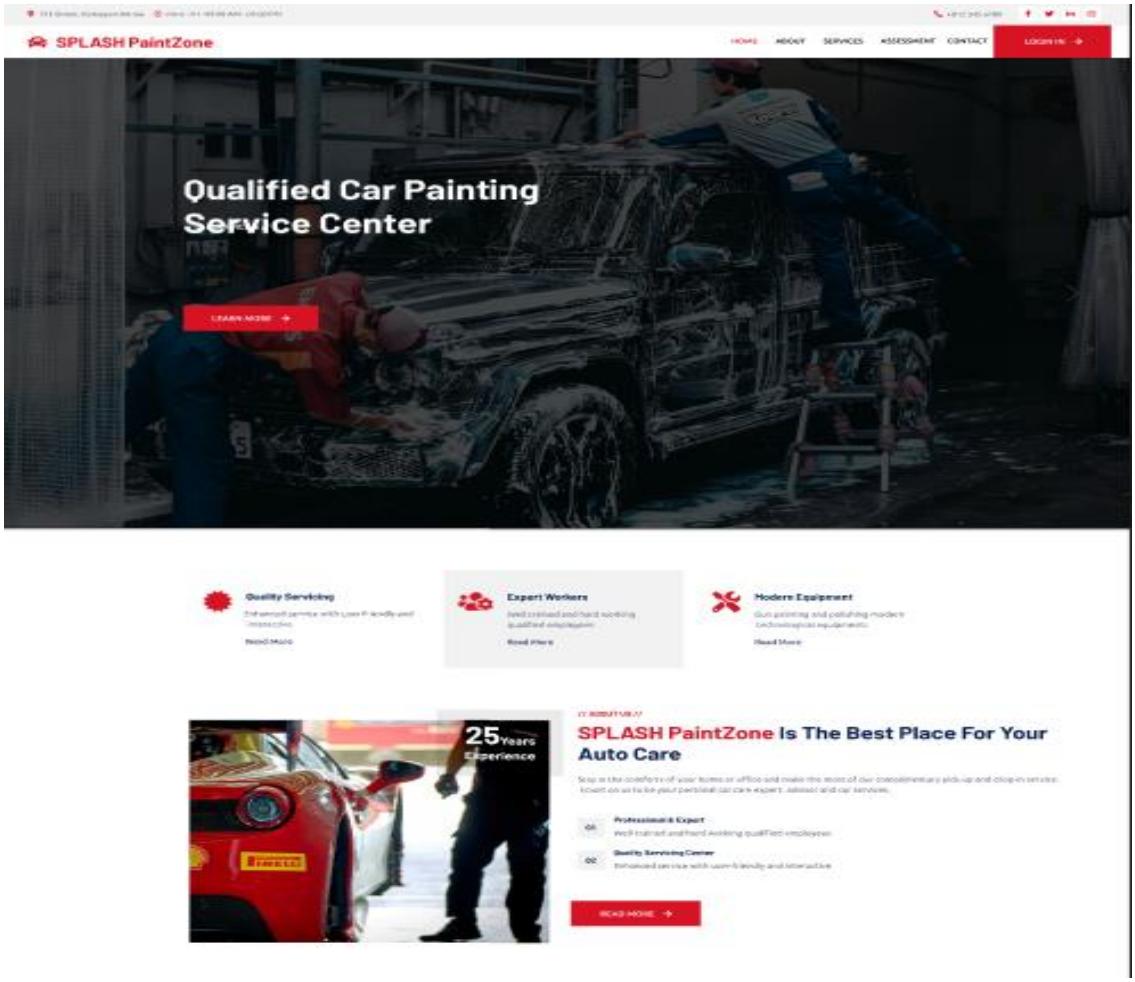
Form Name: Login Form



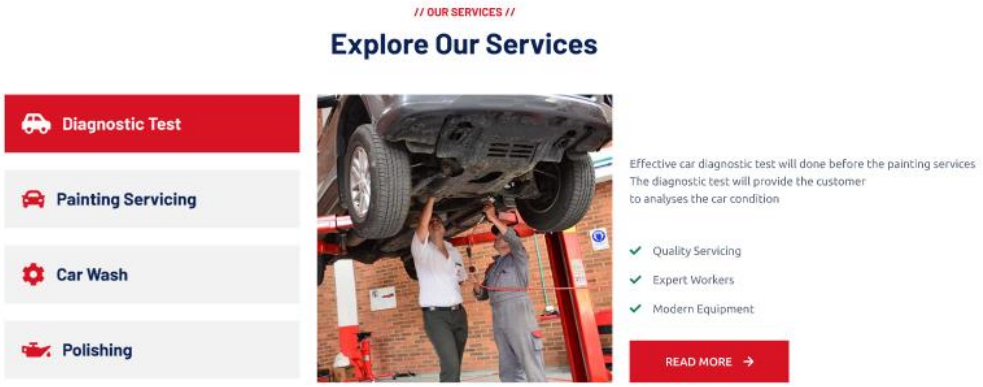
Form Name: Registration Form



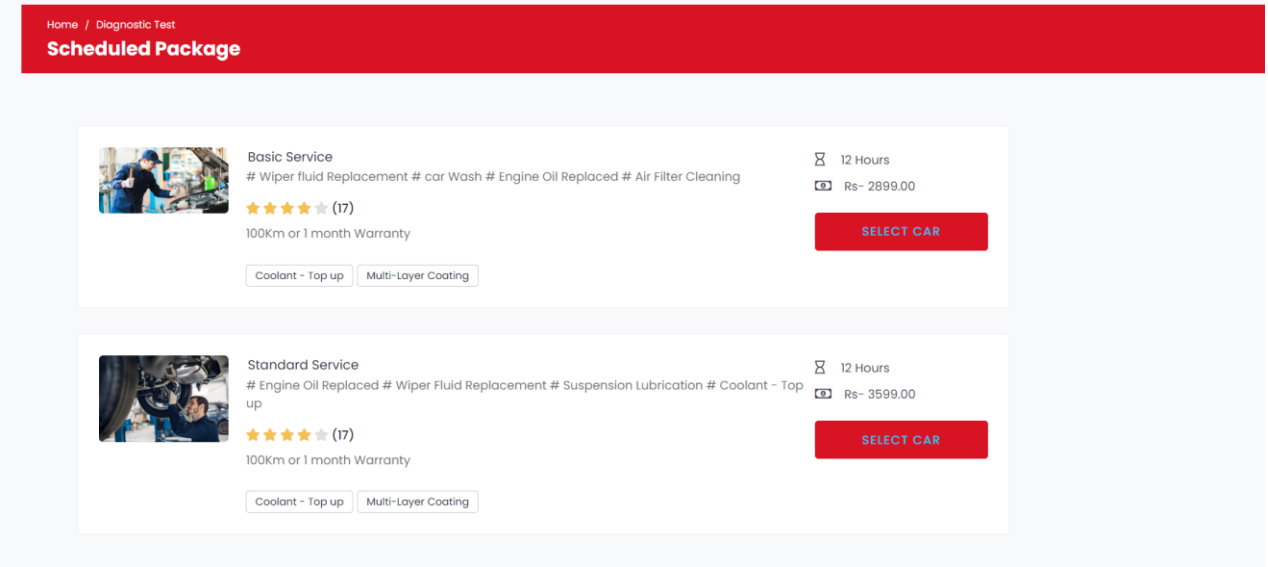
Form Name: Home Page



Form Name: Service Page



Form Name: Service



4.4 DATABASE DESIGN

A database is an organized collection of information that's organized to enable easy accessibility, administration, and overhauls. The security of information could be a essential objective of any database. The database design process comprises of two stages. In the first stage, user requirements are gathered to create a database that meets those requirements as clearly as possible. This is known as information-level design and is carried out independently of any DBMS. In the second stage, the design is converted from an information-level design to a specific DBMS design that will be used to construct the system. This stage is known as physical-level design, where the characteristics of the specific DBMS are considered. Alongside system design, there is also database design, which aims to achieve two main goals: data integrity and data independence.

4.4.1 Relational Database Management System (RDBMS)

A relational database management system (RDBMS) is a popular type of database that organizes data into tables to facilitate relationships with other stored data sets. Tables can contain vast amounts of data, ranging from hundreds to millions of rows, each of which are referred to as records. In formal relational model language, a row is called a tuple, a column heading is an attribute, and the table is a relation. A relational database consists of multiple tables, each with its own name. Each row in a table represents a set of related values.

In a relational database, relationships are already established between tables to ensure the integrity

of both referential and entity relationships. A domain D is a group of atomic values, and a common way to define a domain is by choosing a data type from which the domain's data values are derived. It is helpful to give the domain a name to make it easier to understand the values it contains. Each value in a relation is atomic and cannot be further divided.

In a relational database, table relationships are established using keys, with primary key and foreign key being the two most important ones. Entity integrity and referential integrity relationships can be established with these keys. Entity integrity ensures that no primary key can have null values, while referential integrity ensures that each distinct foreign key value must have a matching primary key value in the same domain. Additionally, there are other types of keys such as super keys and candidate keys.

4.4.2 Normalization

The simplest possible grouping of data is used to put them together so that future changes can be made with little influence on the data structures. The formal process of normalizing data structures in a way that reduces duplication and fosters integrity. Using the normalization technique, superfluous fields are removed and a huge table is divided into several smaller ones. Anomalies in insertion, deletion, and updating are also prevented by using it. Keys and relationships are two notions used in the standard form of data modelling. A row in a table is uniquely identified by a key. Primary keys and foreign keys are two different kinds of keys. Primary key is an element, or set of components, in a table that serves as a means of distinguishing between records from the same table. A column in a table known as a foreign key is used to uniquely identify records from other tables. Up to the third normal form, all tables have been normalized.

Normalization is a process in database design that aims to organize data into proper tables and columns, making it easily correlated to the data by the user. This process eliminates data redundancy that can be a burden on computer resources. The main steps involved in normalization include:

- Normalizing the data
- Choosing appropriate names for tables and columns
- Choosing the correct names for the data

By following these steps, a developer can create a more efficient and organized database that is easier to manage and maintain.

First Normal Form

The First Normal Form (1NF) requires that each attribute in a table must contain only atomic or indivisible values. It prohibits the use of nested relations or relations within relations as attribute values within tuples. To satisfy 1NF, data must be moved into separate tables where the data is of similar type in each table, and each table should have a primary key or foreign key as required by the project. This process eliminates repeating groups of data and creates new relations for each non-atomic attribute or nested relation. A relation is in 1NF only if it satisfies the constraints that contain the primary key only.

Second Normal Form

Second normal form (2NF) is a rule in database normalization that states that non-key attributes should not be functionally dependent on only the part of the primary key in a relation that has a composite primary key. In other words, each non-key attribute should depend on the entire primary key, not just a part of it. To achieve this, we need to decompose the table and create new relationships for each subkey along with their dependent attributes. It is important to maintain the relationship with the original primary key and all attributes that are fully functionally dependent on it. A relation is said to be in 2NF only if it satisfies all the 1NF conditions for the primary key and every non-primary key attribute of the relation is fully dependent only on the primary key.

4.4.3 Sanitization

Data sanitization is the process of removing any illegal characters or values from data. In web applications, sanitizing user input is a common task to prevent security vulnerabilities. PHP provides a built-in filter extension that can be used to sanitize and validate various types of external input such as email addresses, URLs, IP addresses, and more. These filters are designed to make data sanitization easier and faster.

Web applications often receive external input from various sources, including user input from forms, cookies, web services data, server variables, and database query results. It is important to sanitize all external input to ensure that it is safe and does not contain any malicious code or values.

4.4.4 Indexing

An index is a database structure that enhances the speed of table operations. Indexes can be created on one or more columns to facilitate quick lookups and efficient ordering of records. When creating an index, it's important to consider which columns will be used in SQL queries and to create one or more indexes on those columns. In practice, indexes are a type of table that store a primary key or index field and a pointer to each record in the actual table. Indexes are invisible to users and are only used by the database search engine to quickly locate records. The CREATE INDEX statement is used to create indexes in tables.

When tables have indexes, the INSERT and UPDATE statements take longer because the database needs to insert or update the index values as well. However, the SELECT statements become faster on those tables because the index allows the database to locate records more quickly.

4.5 TABLE DESIGN

Table Name: **tb_User_register**
Primary key: **User_id**
Foreign key: **User_id** references table **tb_login, tb_assessment, tb_appointment, tb_reviews, tb_pickup_dropoff and tb_payment**

No	Field_name	Datatypes	Key constraints	Descriptions of the field
1	User_id	INT	Primary Key	Register id
2	username	Varchar (100)	Not null, UNIQUE	Username of customer
3	FirstName	Varchar (100)	Not null	First name of user
4	Lastname	Varchar (255)	Not null	Last name of user
5	email	Varchar (255)	Not null	Email id of the user
6	Phone_number	Varchar (55)	Not null	For contact the user
7	Address	Varchar (255)	Not null	Contact details of user
8	Car_model	Varchar (255)	Not null	Model of car
9	log_id	INT	Foreign key	Login id of user
10	Status	INT	Not null	Status-active/blocked

Table Name: **tb_login**
Primary key: **log_id**
Foreign key: **User_id** references table **tb_User_register**

No	Field_name	Datatypes	Key constraints	Descriptions of the field
1	User_id	INT	Foreign key	Register id of user
2	log_id	INT	Primary key	Login id for user
3	username	VARCHAR (255)	Not null	Username of user
4	Password	VARCHAR (255)	null	Password

Table Name: **tb_assessment**
Primary key: **lmage_id**
Foreign key: **User_id** references table **tb_User_register**

No	Field_name	Datatypes	Key constraints	Descriptions of the field
1	Image_id	INT	Primary Key	Image id upload
2	User_id	INT	Not null, Foreign Key	Register id of user
3	Image	Varchar(255)	Not null	Image of the car
4	Model	Varchar(255)	Not null	Model of the car
5	last_painting	YEAR	Not null	Last painting year
7	Car_Make	Varchar (255)	Not null	Car manufacture name
8	Vin_number	Varchar (255)	Not null	Vehicle identification number
9	Preferences	Varchar (255)	Not null	Any reasons or preferences
10	assessment_date	DATE	Not null	Date of assessment

Table Name: **tb_appointment**
Primary key: **appointment_id**
Foreign key: **User_id** references table **tb_User_register**

No	Field_name	Datatypes	Key constraints	Descriptions of the field
1	appointment_id	INT	Primary Key	Appointment id
2	User_id	INT	Not null, Foreign Key	Register id of user
3	appointment_date	Date	Not null	Appointment date
4	appointment_time	Time	Not null	Appointment time
5	Service_id	Varchar (255)	Foreign key	Service selected
6	Status	Varchar (20)	Not null	Status-confirm or pending

Table Name: **tb_service_category**
Primary key: **cat_id**
Foreign key: **cat_id** references table **tb_service_subcategory**

No	Field_name	Datatypes	Key constraints	Descriptions of the field
1	cat_id	INT	Primary Key	Service category id
2	Category_name	Varchar (100)	Not null	Service category name
3	Creation_date	timestamp	Not null	Creation date of category
4	Updation_date	timestamp	Not null	Updation date of category
5	Status	INT	Not null	Status-active/blocked

Table Name: **tb_service_subcategory**
Primary key: **subcat_id**
Foreign key: **cat_id** references table **tb_service_category**

No	Field_name	Datatypes	Key constraints	Descriptions of the field
1	subcat_id	INT	Primary Key	Service subcategory id
2	subcategory_name	Varchar(100)	Not null	Service subcategory name
3	cat_id	INT	Foreign key	Service category
4	Creation_date	timestamp	Not null	Creation date of subcategory
5	Updation_date	timestamp	Not null	Updation date of subcategory
6	Status	INT	Not null	Status-active/blocked

Table Name: **tb_service**
Primary key: **service_id**
Foreign key: **subcat_id** references table **tb_service_subcategory**

No	Field_name	Datatypes	Key constraints	Descriptions of the field
1	service_id	INT	Primary Key	Service id
2	subcat_id	INT	Foreign Key	Service subcategory id
3	service_name	Varchar (100)	Not null	Service name
4	description	Text	Not null	Description about service
5	warranty	Varchar (100)	Not null	Year of warranty service
7	Duration	Varchar (100)	Not null	Duration of service to complete
6	Cost	Decimal (10,2)	Not null	Service cost

Table Name: **tb_review**
Primary key: **review_id**
Foreign key: **User_id** references table **tb_User_register**

No	Field_name	Datatypes	Key constraints	Descriptions of the field
1	appointment_id	INT	Foreign Key	Appointment id
2	review_id	INT	Primary Key	Review id
3	User_id	INT	Foreign Key	Register id of user
4	review	Text	Not null	Review on service done
5	Status	INT	Not null	Status-active/blocked

Table Name: **tb_pickup_dropoff**
Primary key: **request_id**
Foreign key: **User_id** references table **tb_User_register**

No	Field_name	Datatypes	Key constraints	Descriptions of the field
1	request_id	INT	Primary Key	Pick-up & pick-off request id
2	User_id	INT	Foreign Key	Register id of user
3	Pick_up_date	DATE	Not null	Pick-up date
4	Pick_off_date	DATE	Not null	Pick-off date
5	Status	INT	Not null	Status-active/blocked

Table Name: **tb_payment**
Primary key: **pay_id**
Foreign key: **User_id** references table **tb_User_register**

No	Field_name	Datatypes	Key constraints	Descriptions of the field
1	Pay_id	INT	Primary Key	Payment id
2	User_id	INT	Foreign Key	Register id of user
3	amount	INT	Not null	Amount paid
4	paydate	DATE	Not null	Payment date
5	Status	INT	Not null	Status-active/blocked

Table Name: **tb_employee**
Primary key: **emp_id**

No	Field_name	Datatypes	Key constraints	Descriptions of the field
1	Emp_id	INT	Primary Key	Employee id

2	name	INT	Not null	Employee name
3	Phone	Varchar (15)	Not null	Contact details
4	Year_joining	YEAR	Not null	Year of joining
6	work_schedule	Varchar (255)	Not null	Work schedule to them
5	salary	DECIMAL (10,2)	Not null	Salary of employee
6	Status	INT	Not null	Status-active/blocked

CHAPTER 5
SYSTEM TESTING

5.1 INTRODUCTION

Software testing is a critical part of the software development process. It's about carefully examining a software program to see if it works correctly. Validation is about checking if it matches the plans, while verification can include different checks like reviews and inspections.

Testing happens in steps, starting with small parts and gradually building up to the whole system. The main goals are to find errors, make sure the software works as it should, and ensure it performs well. Testing can cover correctness, efficiency, and complexity.

A successful test is one that uncovers a hidden problem, and good tests are likely to find such issues. Testing is key to meeting system goals and can involve various types, like checking if the functions work, if it's fast enough, and if it's secure. It's all about making sure the software does what it's supposed to do.

5.2 TEST PLAN

A test plan is a detailed document that lays out the steps needed to carry out various testing methods. It serves as a guide for all the activities involved in testing. Software developers are responsible for creating computer programs, documentation, and data structures. They must thoroughly test each part of the program to ensure it serves its intended purpose. Sometimes, an independent test group (ITG) is established to identify and address self-evaluation issues.

Testing objectives should be clearly defined using measurable terms, such as the average time before a failure occurs, the cost associated with identifying and fixing defects, the remaining density of defects or how often they occur, and the amount of work hours needed for regression testing.

The different levels of testing include:

- Unit testing
- Integration testing
- Data validation testing
- Output testing

5.2.1 Unit Testing

Unit testing is a software testing technique that focuses on verifying individual components or modules of the software design. The purpose of unit testing is to test the smallest unit of software design and ensure that it performs as intended. Unit testing is typically white-box focused, and multiple components can be tested simultaneously. The component-level design description is used as a guide during testing to identify critical control paths and potential faults within the module's perimeter.

During unit testing, the modular interface is tested to ensure that data enters and exits the software unit under test properly. The local data structure is inspected to ensure that data temporarily stored retains its integrity during each step of an algorithm's execution. Boundary conditions are tested to ensure that all statements in a module have been executed at least once, and all error handling paths are tested to ensure that the software can handle errors correctly.

Before any other testing can take place, it is essential to test data flow over a module interface. If data cannot enter and exit the system properly, all other tests are irrelevant. Another crucial duty during unit testing is the selective examination of execution pathways to anticipate potential errors and ensure that error handling paths are set up to reroute or halt work when an error occurs. Finally, boundary testing is conducted to ensure that the software operates correctly at its limits.

In the Sell-Soft System, unit testing was carried out by treating each module as a distinct entity and subjecting them to a variety of test inputs. Any issues with the internal logic of the modules were fixed, and each module was tested and run separately after coding. Unused code was eliminated, and it was confirmed that every module was functional and produced the desired

5.2.2 Integration Testing

Integration testing is a systematic procedure that involves both creating the program structure and simultaneously executing tests to uncover potential interface issues. The primary goal is to establish a program structure that incorporates unit-tested components and subsequently subject the entire program to testing. Addressing errors during integration testing can be a complex task, mainly due to the program's overall size, making it challenging to pinpoint the root causes of errors. This complexity often leads to a cycle of error identification and correction, where fixing one set of errors may give rise to new ones, seemingly perpetuating the process.

Upon the completion of unit testing for all modules within the system, the next step involves

integrating these modules to identify any inconsistencies or mismatches at the interfaces. Any disparities in program structures are meticulously resolved, leading to the development of a cohesive and seamless program structure.

5.2.3 Validation Testing or System Testing

The last phase of the testing process encompasses assessing the complete software system in its entirety, which includes all forms, code, modules, and class modules. This phase is commonly known as system testing or black box testing. Black box testing primarily revolves around evaluating the software's functional requirements. In this approach, a software engineer can devise input conditions to thoroughly evaluate each program requirement. The key categories of errors that black box testing aims to uncover encompass incorrect or absent functions, interface discrepancies, issues with data structures or external data retrieval, performance-related problems, initialization irregularities, and termination-related errors.

5.2.4 Output Testing or User Acceptance Testing

User acceptance testing is a critical step aimed at confirming that the system aligns with business requirements and user expectations. It's essential to engage end users throughout the development process to guarantee that the software caters to their specific needs. This testing phase involves the evaluation of input and output screen designs using various test data. The thorough preparation of test data is crucial to ensure a comprehensive assessment of the system. Any identified errors are diligently addressed, corrected, and documented for future reference.

5.2.5 Automation Testing

Automation testing is a software testing method that leverages specialized automated testing tools to run a set of test cases. Its primary goal is to ensure that the software or hardware functions precisely as intended, detecting defects, bugs, and other development issues. While some testing types, like functional or regression testing, can be manually conducted, automation testing offers various advantages. It can be scheduled at any time, employing scripted sequences to assess the software. The results are documented and can be compared with previous test runs. Automation developers usually write code in languages like C#, JavaScript, and Ruby.

5.2.6 Selenium Testing

Selenium is an open-source automation testing framework employed to validate web applications on various browsers and platforms. Selenium enables the development of test scripts in multiple programming languages like Java, C#, and Python. It was originally created by Jason Huggins in 2004 to enhance testing efficiency for a web application he was working on at Thought Works. He introduced the "JavaScriptTestRunner" program to automate browser actions. Over time, Selenium has evolved and is now a collaborative project with many contributors.

Another widely used automation testing tool is Cucumber, an open-source framework supporting behavior-driven development (BDD). Cucumber allows the creation of executable specifications in a human-readable language called Gherkin. One of its notable benefits is bridging the communication gap between business stakeholders and technical teams. By employing a common language, Cucumber enhances collaboration during testing, ensuring a shared understanding of requirements and alignment with business objectives.

Cucumber and Selenium can be combined to leverage the strengths of both tools. Selenium manages interactions with web browsers and automates browser actions, while Cucumber provides a structured framework for organizing and executing tests. This combination enables the development of end-to-end tests that validate web application behavior across various platforms and browsers, using a business-readable and maintainable format.

Test Case 1: User Login

Code

```
package CucumberJava;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.firefox.FirefoxDriver;
import io.cucumber.java.en.And;
import io.cucumber.java.en.Given;
import io.cucumber.java.en.Then;
import io.cucumber.java.en.When;

public class Cucumberclass {

    WebDriver driver = null;

    @Given("browser is open")
    public void browser_is_open() {
        System.out.println("Inside Step - Browser Is Open");
```

```
        System.setProperty("webdriver.gecko.marionette",
"C:\\Users\\nandh\\eclipse-
workspace\\Test1\\src\\test\\resources\\Drivers\\geckodriver.exe");
        driver = new FirefoxDriver();
        driver.manage().window().maximize();
    }

    @And("user is on login page")
    public void user_is_on_login_page() throws Exception{
        driver.navigate().to("http://127.0.0.1:8000/customerlogin/");
        Thread.sleep(3000);
    }

    @When("user enters username and password")
    public void user_enters_username_and_password()throws Throwable {
        driver.findElement(By.name("id_username")).sendKeys("user@12");
        driver.findElement(By.name("id_password")).sendKeys("Nandhana@25");
        Thread.sleep(3000);
    }

    @And("User click on login")
    public void user_click_on_login() {
        driver.findElement(By.className("btn-primary")).click();
    }

    @Then("user is navigated to the home page")
    public void user_is_navigated_to_the_home_page() throws Exception
    {
      driver.findElement(By.id("top")).isDisplayed();

            Thread.sleep(2000);

            driver.close();

        driver.quit();
    }
}
```

Screenshot

```
Oct 25, 2023 9:46:28 AM cucumber.api.cli.Main run
WARNING: You are using deprecated Main class. Please use io.cucumber.core.cli.Main

Scenario: Check login is successfull with valid credential # src/test/resources/Feature/signin.feature:4
Inside step-browser is open
  Given browser is open                                   # stepdefinition.definition.browser_is_open()
  And user is on login page                               # stepdefinition.definition.user_is_on_login_page()
      java.lang.NullPointerException: Cannot invoke "org.openqa.selenium.WebDriver.navigate()" because "this.driver" is null
        at stepdefinition.definition.user_is_on_login_page(definition.java:24)
        at *.user is on login page(file:///C:/Users/nandh/eclipse-workspace/Test1/src/test/resources/Feature/signin.feature:6)

  When user enters username and password                  # stepdefinition.definition.user_enters_username_and_password()
  And User click on login                                 # stepdefinition.definition.user_click_on_login()
  Then user is navigated to the home page                 # stepdefinition.definition.user_is_navigated_to_the_home_page()

Failed scenarios:
file:///C:/Users/nandh/eclipse-workspace/Test1/src/test/resources/Feature/signin.feature:4 # Check login is successfull with valid credential
```

Test Report

Test Case 1

Project Name: SPLASHPAINTZONE					
Login Test Case					
Test Case ID: Test_1			**Test Designed By:** Nandhana C Reghu		
Test Priority(Low/Medium/High): High			**Test Designed Date:** 15/09/2023		
Module Name: Login Screen			**Test Executed By :** Ms. Navyamol K T		
Test Title : User Login			**Test Execution Date: 0**5/10/2023		
Description: Verify Login with valid username and password					
Pre-Condition : User has valid username and password					
Step	**Test Step**	**Test Data**	**Expected Result**	**Actual Result**	**Status(Pass/ Fai l)**
1	Navigation to Login Page Login button		Dashboard should be displayed	Login page displayed	Pass
2	Provide Valid username	username: user@12	User should be able to Login	User Logged in and navigated to User Dashboard	Pass
3	Provide Valid Password	Password: Nandhana@25			
4	Click on Login button				
Post-Condition: User is validated with database and successfully login into account. The Account session details are logged in database					

Test Case 2: Admin login

Code

```
package CucumberJava;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.firefox.FirefoxDriver;
import io.cucumber.java.en.And;
import io.cucumber.java.en.Given;
import io.cucumber.java.en.Then;
import io.cucumber.java.en.When;

public class Cucumberclass {
```

```
    WebDriver driver = null;

    @Given("browser is open")
    public void browser_is_open() {
        System.out.println("Inside Step - Browser Is Open");
        System.setProperty("webdriver.gecko.marionette",
"C:\\Users\\nandh\\eclipse-
workspace\\Test1\\src\\test\\resources\\Drivers\\geckodriver.exe");
        driver = new FirefoxDriver();
        driver.manage().window().maximize();
    }

    @And("user is on login page")
    public void user_is_on_login_page() throws Exception{
        driver.navigate().to("http://127.0.0.1:8000/adminlogin/");
        Thread.sleep(3000);
    }

    @When("user enters username and password")
    public void user_enters_username_and_password()throws Throwable {
        driver.findElement(By.name("id_username")).sendKeys("admin1");
        driver.findElement(By.name("id_password")).sendKeys("admin");
        Thread.sleep(3000);
    }

    @And("User click on login")
    public void user_click_on_login() {
        driver.findElement(By.className("btn-primary")).click();
    }

    @Then("user is navigated to the home page")
    public void user_is_navigated_to_the_home_page() throws Exception
    {
      driver.findElement(By.id("top")).isDisplayed();

            Thread.sleep(2000);

            driver.close();

        driver.quit();
    }
}
```

Screenshot

```
Oct 25, 2023 9:46:28 AM cucumber.api.cli.Main run
WARNING: You are using deprecated Main class. Please use io.cucumber.core.cli.Main

Scenario: Check login is successfull with valid credential # src/test/resources/Feature/signin.feature:4
Inside step-browser is open
  Given browser is open                                   # stepdefinition.definition.browser_is_open()
  And user is on login page                               # stepdefinition.definition.user_is_on_login_page()
      java.lang.NullPointerException: Cannot invoke "org.openqa.selenium.WebDriver.navigate()" because "this.driver" is null
        at stepdefinition.definition.user_is_on_login_page(definition.java:24)
        at *.user is on login page(file:///C:/Users/nandh/eclipse-workspace/Test1/src/test/resources/Feature/signin.feature:6)

  When user enters username and password                  # stepdefinition.definition.user_enters_username_and_password()
  And User click on login                                 # stepdefinition.definition.user_click_on_login()
  Then user is navigated to the home page                 # stepdefinition.definition.user_is_navigated_to_the_home_page()

Failed scenarios:
file:///C:/Users/nandh/eclipse-workspace/Test1/src/test/resources/Feature/signin.feature:4 # Check login is successfull with valid credential
```

Test Report

Test Case 1

Project Name: SPLASHPAINTZONE					
Login Test Case					
Test Case ID: Test_1			**Test Designed By:** Nandhana C Reghu		
Test Priority(Low/Medium/High): High			**Test Designed Date:** 15/09/2023		
Module Name: Login Screen			**Test Executed By :** Ms. Navyamol K T		
Test Title : Admin Login			**Test Execution Date: 0**5/10/2023		
Description: Verify Login with valid username and password					
Pre-Condition : User has valid username and password					
Step	**Test Step**	**Test Data**	**Expected Result**	**Actual Result**	**Status(Pass/ Fai l)**
1	Navigation to Login Page Login button		Dashboard should be displayed	Login page displayed	Pass
2	Provide Valid username	username: admin1	User should be able to Login	User Logged in and navigated to User Dashboard	Pass
3	Provide Valid Password	Password: admin			
4	Click on Login button				
Post-Condition: User is validated with database and successfully login into account. The Account session details are logged in database					

CHAPTER 6
IMPLEMENTATION

6.1INTRODUCTION

The implementation phase of a project is where the designed system becomes a functional reality. This stage is critically important in ensuring the success of the new system and gaining user confidence in its effectiveness and accuracy. Key priorities during this phase include user training and creating documentation. Implementation may involve converting the new system design into an operational system.

During this stage, the user department takes on the primary responsibilities, experiences significant changes, and has the most substantial impact on the existing system. Poorly planned or managed implementation can lead to confusion and disruption. Whether the new system is entirely new, replaces an existing manual or automated system, or modifies an existing system, a proper implementation is essential to meet the organization's requirements.

System implementation covers all activities necessary for transitioning from the old system to the new one. It's a process that can only commence once thorough testing confirms that the system works according to its specifications. The implementation phase demands substantial efforts in three key areas: education and training, system testing, and changeover. It involves meticulous planning, assessing system constraints, and devising strategies to achieve a successful transition.

6.2 IMPLEMENTATION PROCEDURES

Software implementation is the process of setting up the software within its intended environment and confirming that it meets its intended purposes and functions correctly. In certain organizations, the software development project may be initiated by individuals who won't be the end users of the software. At the initial stages, there may be uncertainties about the software, but it's crucial to prevent any resistance from developing. This can be achieved by:

1. Ensuring that active users understand the advantages of the new system and feel confident about the software.
2. Providing clear guidance to users so they can comfortably utilize the application. Users need to be aware that the server program must be operational on the server before using the system. Without the server component running, the intended processes won't take place.

6.2.1 User Training

User training is a critical phase aimed at readying individuals for testing and transitioning to the new system. Confidence in their roles within the new system is crucial to realizing the anticipated advantages of a computer-based system. As systems become more intricate, the significance of training grows. Through user training, individuals acquire the skills to input data, handle error messages, access the database, execute routines for generating reports, and perform various essential functions.

6.2.2 Training on the Application Software

Once users have received fundamental computer awareness training, it becomes crucial to provide them with training on the new application software. This training should encompass the fundamental principles of using the new system, such as navigating through screens, understanding screen design, accessing on-screen help, recognizing potential data entry errors, and knowing the validation checks for each input, along with procedures for data correction. Furthermore, this training should address user or group-specific information that's essential for effective system utilization. It's worth noting that the training requirements may vary among different user groups and hierarchical levels.

6.2.3 System Maintenance

The maintenance phase represents a critical component of the software development cycle, marking the period when the software is actively deployed and carries out its intended tasks. Effective maintenance is vital for the software to sustain functionality, reliability, and adaptability to evolving system conditions. Maintenance tasks extend beyond the identification and correction of errors or defects; they encompass activities like software updates, functional adjustments, and performance enhancements. In essence, software maintenance is an ongoing and iterative process that demands constant monitoring, assessment, and refinement to align with evolving user demands and prerequisites.

CHAPTER 7

CONCLUSION AND FUTURE SCOPE

7.1 CONCLUSION

In conclusion, the development of the Automobile Workshop Management Website is a significant step towards enhancing the operations and customer experience of the automobile painting workshop. The project aims to address the limitations of the existing system, such as limited accessibility, manual inquiries, and inefficient administrative tasks. By embracing modern technology and user-friendly online platforms, the website will provide a comprehensive range of services, streamline appointment scheduling, and encourage customer engagement.

The implementation of this project is expected to result in several benefits. It will improve the workshop's online visibility, making it easier for potential customers to access information about services and prices. The introduction of online appointment scheduling will enhance convenience and reduce scheduling conflicts. The project will also facilitate efficient administrative tasks and enable customer feedback collection, contributing to overall business performance.

As the project progresses, it will be crucial to ensure that it aligns with the specific needs of the automobile painting workshop and its stakeholders. Regular testing and user feedback will be essential to fine-tune the system and make it as user-friendly and efficient as possible. In the end, the Automobile Workshop Management Website has the potential to be a game-changer for the workshop, offering a modern and interactive platform that enhances customer experience and streamlines operations.

7.2 FUTURE SCOPE

The future scope of the Automobile Workshop Management Website project is promising, with several opportunities for expansion and enhancement. Firstly, the website can incorporate features like real-time tracking of vehicle repair progress, which will provide customers with transparency and updates on their vehicle's status. Additionally, integrating a payment gateway will enable secure online transactions, further simplifying the process for customers.

Moreover, the website can be extended to include a customer portal where users can create accounts, manage their vehicle repair history, and easily access their invoices and payment records. This personalized space will enhance customer retention and loyalty. The inclusion of a mobile application version can also make the platform more accessible

to a wider audience, allowing users to schedule appointments and access information on the go.

Furthermore, the project can explore the integration of AI-driven chatbots or customer support features to provide instant assistance and answers to frequently asked questions. Such advancements will reduce the response time and enhance user satisfaction. Lastly, potential partnerships with insurance companies or car rental services can be considered, offering customers a comprehensive solution during vehicle repairs.

In essence, the future scope of the Automobile Workshop Management Website project is dynamic and can evolve to meet the ever-changing needs of the automobile industry, providing enhanced services and convenience to both customers and the workshop.

CHAPTER 8
BIBLIOGRAPHY

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- GeoMechanic: https://gomechanic.in/mumbai
- Automovil: https://www.automovill.com/bangalore/car-ac-electrical-service
- www.w3schools.com
- https://chat.openai.com/chat

CHAPTER 9

APPENDIX

9.1 Sample Code

Customer LoginForm

```
<!DOCTYPE html>
{% load static %}

{% load widget_tweaks %}
<html lang="en" dir="ltr">
  <head>
    <meta charset="utf-8">
    <title>Login Page</title>
    <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">


    <style media="screen">
      /* Your existing CSS styles */
      body {
        margin: 0;
        padding: 0;
        font-family: 'Arial', sans-serif;
        background-image: url('{% static "images/carousel-bg-1.jpg" %}');
        display: flex;
        justify-content: center;
        align-items: center;
        height: 150vh;
        background-attachment: fixed;
      }

      .box {
        width: 500px;
        padding: 40px;
        position: absolute;
        top: 50%;
        left: 50%;
        background: white;
        border-radius: 10px;
        text-align: center;
        transition: 0.25s;
        margin-top: -500px
    }

      h1 {
        color: black;
        font-size: 28px;
        margin-bottom: 20px;
      }

      .form-group {
```

```
    margin-bottom: 20px;
  }

  .form-label {
    color:rgb(60, 60, 60);
    font-weight: bold;
    margin-left: -300px;

  }


  .box input[type="text"]:focus,
  .box input[type="password"]:focus {
      width: 300px;
      border-color: #2ecc71
  }
  .btn-primary {
    background-color: #3498db;
    color: white;
    border: none;
    padding: 14px 20px;
    width: 100%;
    border-radius: 10px;
    transition: background-color 0.25s;
    cursor: pointer;
  }

  .btn-primary:hover {
    background-color: #2ecc71;
  }

  .btn-link {
    color: #3498db;
    text-decoration: none;
  }

  .btn-link:hover {
    text-decoration: underline;
  }

  .btn-google {
    background-color: #DB4437;
    color: white;
    border: none;
    padding: 14px 20px;
    width: 100%;
    border-radius: 10px;
    transition: background-color 0.25s;
    cursor: pointer;
```

```
      }

      .btn-google:hover {
        background-color: #C53929;
      }
      hr.new {
        border: 1px solid #3498db;
      }
      .form-check
      {
        margin-left: -250px;
      }
    </style>
  </head>
  <body>

    <div class="container">
      <div class="row">
        <div class="col-md-6">
          {% comment %} <div class="card"> {% endcomment %}
            <form class="box" method="post">
              {% csrf_token %}
              <h1>SignIn</h1>
            <hr class='new'>

              <p class="text-muted">Please enter your login and password!</p>

              <div class="form-group">
                <label for="id_username" class="form-label">Username</label>
                {% render_field form.username class="form-control"
placeholder="Enter Username" %}
                <div id="username-error" class="text-danger"></div>
              </div>

              <div class="form-group">

                <label for="id_password" class="form-label">Password</label>
                {% render_field form.password class="form-control"
placeholder="Enter Password" %}

              </div>

              <div class="form-group form-check">
                <input type="checkbox" class="form-check-input" id="rememberMe">
                <label class="form-check-label" for="rememberMe">Remember
Me</label>
              </div>

              <div class="form-group">
```

```
                <input type="submit" name="" value="Login" class="btn btn-
primary"><br><br>
                {% if form.non_field_errors %}
                <div class="text-danger">{{ form.non_field_errors.0 }}</div>
            {% endif %}
                <a href="{% url 'password_reset' %}" class="btn btn-link float-
right">Forgot Password?</a>
              </div>
<br>
              <div class="form-group">
                <a href="{% url 'customersignup' %}" class="btn btn-link">Don't
have an account yet? Go to signup</a>

              </div>

              <div class="form-group">
                <hr class='new'>
                    <p class="text-center"><strong>OR</strong></p>

                    <a href="{% url 'social:begin' 'google-oauth2' %}"><button
type="button" class="btn btn-google">Sign in with Google</button></a>
              </div>

            </form>
          </div>
        {% comment %} </div> {% endcomment %}
      </div>
    </div>
    {% comment %} <br><br><br><br><br><br><br><br><br>
    <br><br><br><br><br><br><br><br><br>
    <br><br><br><br><br>
  {% endcomment %}
    <!-- Bootstrap JavaScript -->
    <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>
    <script
src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.5.3/dist/umd/popper.min.js"></s
cript>
    {% comment %} <script
src="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script
> {% endcomment %}
    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
    <script>
      // Function to perform live validation
      function validateLoginForm() {
          var username = $("#id_username").val();
          var password = $("#id_password").val();
          var isValid = true;
```

```
          // Check for username validation (e.g., length)
          if (username.length < 3) {
              $("#username-error").text("Username must be at least 3 characters
long.");
              isValid = false;
          } else {
              $("#username-error").text("");
          }

          // Check for password validation (e.g., length)
          if (password.length < 6) {
              $("#password-error").text("Password must be at least 6 characters
long.");
              isValid = false;
          } else {
              $("#password-error").text("");
          }

          return isValid;
      }

      // Attach the validation function to the form's submit event
      $("#login-form").submit(function(event) {
          if (!validateLoginForm()) {
              event.preventDefault(); // Prevent form submission if validation
fails
          }
      });
  </script>
  </body>
</html>
```

Customer Register Form

```
<!DOCTYPE html>
{% load static %}
{% load widget_tweaks %}
<html lang="en" dir="ltr">
  <head>
    <meta charset="utf-8">
    <title></title>

    <style media="screen">
      body {
    margin: 0;
    padding: 0;
```

```
    font-family: sans-serif;
    background-image: url('{% static "images/carousel-bg-1.jpg" %}');
}

.box {
    width: 500px;
    padding: 40px;
    position: absolute;
    top: 50%;
    left: 30%;
    background: white;
    border-radius: 10px;
    text-align: center;
    transition: 0.25s;
    margin-top: -280px
}
.box input[type="text"],
.box input[type="password"] {
    border: 0;
    background: none;
    display: block;
    margin: 20px auto;
    text-align: center;
    border: 2px solid #3498db;
    padding: 10px 10px;
    width: 250px;
    outline: none;
    color: black;
    border-radius: 5px;
    transition: 0.25s
}

.box h1 {
    color: black;
    text-transform: uppercase;
    font-weight: 500
}

.box input[type="text"]:focus,
.box input[type="password"]:focus {
    width: 300px;
    border-color: #2ecc71
}

.box input[type="submit"] {
    border: 0;
    background: none;
    display: block;
    margin: 20px auto;
```

```
    text-align: center;
    border: 2px solid #2ecc71;
    padding: 14px 40px;
    outline: none;
    color: black;
    border-radius: 24px;
    transition: 0.25s;
    cursor: pointer
    background-color: #3498db;
}

.box input[type="submit"]:hover {
    background: #2ecc71
}

.forgot {
    text-decoration: underline
}
.form-label {
    color:rgb(60, 60, 60);
    font-weight: bold;
    margin-left: -200px;

  }
  hr.new {
    border: 1px solid #3498db;
  }
  .text-danger {
    color: red;
    font-size: 10px;   /* Adjust the font size as needed */
    margin-top: 5px;

}
    </style>
  </head>
  <body>

    <div class="container">
    <div class="row">
        <div class="col-md-6">
            <div class="card">
                <form class="box" method="post" enctype="multipart/form-data">
                  {% csrf_token %}
                    <h1>CUSTOMER SIGNUP</h1>
                    <hr class='new'>
                    <br><br>
                    <div class="form-group">
                    <label for="id_first_name" class="form-label">First
name</label>
```

```
                    {% render_field userForm.first_name class="form-control"
placeholder="First Name" %}
                    <div id="first-name-error" class="text-danger"></div>
                  </div>
                  <div class="form-group">
                    <label for="id_last_name" class="form-label">Last
Name</label>
                      {% render_field userForm.last_name class="form-control"
placeholder="Last Name" %}
                      <div id="last-name-error" class="text-danger"></div>
                  </div>
                      <div class="form-group">
                      <label for="id_username" class="form-
label">Username</label>
                        {% render_field userForm.username class="form-control"
placeholder="Username" %}
                        <div id="username-error" class="text-danger"></div>
                      </div>
                        <div class="form-group">
                        <label for="id_password1" class="form-
label">Password</label>
                          {% render_field userForm.password class="form-control"
placeholder="Password" %}
                          <div id="password-error" class="text-danger"></div>
                      </div>

                          <div class="form-group">
                          <label for="id_mobile" class="form-
label">Mobile</label>
                            {% render_field customerForm.mobile class="form-
control" placeholder="Mobile" %}
                            <div id="mobile-error" class="text-danger"></div>
                        </div>
                            <div class="form-group">
                  <input type="submit" name="" value="Create">
                            </div>
                            <div class="form-group">
                                <p>Already have an account? <a href="{% url
'customerlogin' %}" class="btn btn-link">Sign In</a></p>
                              </div>
              </form>
          </div>
      </div>
  </div>
</div>
<br><br><br><br>
<script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>
<script>
    $(document).ready(function() {
```

```
        // Function to validate First Name
        function validateFirstName() {
            var firstName = $('#id_first_name').val();
            if (firstName.length < 2) {
                $('#first-name-error').text('First name should be at least 2
characters').show();
                return false;
            } else {
                $('#first-name-error').hide();
                return true;
            }
        }

        // Trigger validation function on input change
        $('#id_first_name').on('input', validateFirstName);

        function validateLastName() {
            var lastName = $('#id_last_name').val().trim(); // Remove
leading/trailing whitespace
            if (lastName.length < 2) {
                $('#last-name-error').text('Last Name should be at least 2
characters').show();
                return false;
            } else {
                $('#last-name-error').hide();
                return true;
            }
        }

        // Trigger validation function on input change
        $('#id_last_name').on('input', validateLastName);
        function validateUsername() {
            var username = $('#id_username').val().trim(); // Remove
leading/trailing whitespace
            var usernamePattern = /^[A-Za-z0-9-@]{7}$/; // Regular expression
pattern
            if (!username.match(usernamePattern)) {
                $('#username-error').text('Username should be 7 characters with
letters, @').show();
                return false;
            } else {
                $('#username-error').hide();
                return true;
            }
        }

        // Trigger validation function on input change
        $('#id_username').on('input', validateUsername);
```

```
        function validatePassword() {
            var password = $('#id_password1').val();
            var hasUppercase = /[A-Z]/.test(password);
            var hasLowercase = /[a-z]/.test(password);
            var hasDigit = /\d/.test(password);
            var hasSpecialChar = /[!@#$%^&*]/.test(password);
            var isLengthValid = password.length >= 2;

            if (hasUppercase && hasLowercase && hasDigit && hasSpecialChar &&
isLengthValid) {
                $('#password-error').hide();
                return true;
            } else {
                $('#password-error').text('Password should be at least 8
characters and include one uppercase letter, one lowercase letter, one digit, and
one special character (!@#$%^&*)').show();
                return false;
            }
        }

        // Trigger validation function on input change
        $('#id_password1').on('input', validatePassword);

        // Trigger validation function on input change
        $('#id_password1').on('input', validatePassword);

        function validateAddress() {
            var address = $('#id_address').val();
            if (address.trim() === '') {
                $('#address-error').text('Address cannot be empty').show();
                return false;
            } else {
                $('#address-error').hide();
                return true;
            }
        }

        // Trigger validation function on input change
        $('#id_address').on('input', validateAddress);
        function validateMobile() {
            var mobile = $('#id_mobile').val();
            var mobileRegex = /^\+91[1-9]\d{9}$/; // Regex for Indian mobile
numbers

            if (mobileRegex.test(mobile)) {
                $('#mobile-error').hide();
                return true;
            } else {
```

```
                $('#mobile-error').text('Invalid Indian mobile number (e.g.,
+919876543210)').show();
                return false;
            }
        }

        // Trigger validation function on input change
        $('#id_mobile').on('input', validateMobile);
        function validateCarImage() {
            var carImageInput = $('#id_car_image');
            var carImageError = $('#car-image-error');
            var allowedFormats = ['image/jpeg', 'image/jpg', 'image/png'];

            if (carImageInput[0].files.length > 0) {
                var selectedFormat = carImageInput[0].files[0].type;

                if (allowedFormats.includes(selectedFormat)) {
                    carImageError.hide();
                    return true;
                } else {
                    carImageError.text('Please select a valid JPG or PNG
image.').show();
                    carImageInput.val(''); // Clear the file input
                    return false;
                }
            } else {
                carImageError.hide();
                return true; // No file selected, so no validation needed
            }
        }

        // Trigger validation function when a file is selected
        $('#id_car_image').on('change', validateCarImage);
    });
</script>

  </body>
</html>
```

Add category

```
{% extends 'vehicle/adminbase.html' %}
{% load widget_tweaks %}
{% block content %}
<head>
  <style media="screen">
```

```
/* Your existing CSS styles */
input[type=text], select, input[type=number], input[type=password], textarea {
    width: 400px;
    padding: 12px 20px;
    margin: 8px 0;
    display: inline-block;
    border: 1px solid #ccc;
    border-radius: 4px;
    box-sizing: border-box;
  }

  input[type=submit] {
    width: 100%;
    background-color: #4CAF50;
    color: white;
    padding: 14px 20px;
    margin: 8px 0;
    border: none;
    border-radius: 4px;
    cursor: pointer;
  }

  input[type=submit]:hover {
    background-color: #45a049;
  }

  table {
    width: 100%;
    border-collapse: collapse;
  }

  table, th, td {
    border: 1px solid #ddd;
  }

  th, td {
    padding: 8px;
    text-align: left;
  }

  th {
    background-color: #f2f2f2;
  }
.container {
  display: flex;
  justify-content: space-between;

}
.form-container {
```

```
      width: 30%;

       /* Adjust the width as needed */
    }
    .table-container {
      width: 45%;
      margin-left:300px;margin-right:50px; /* Adjust the width as needed */
    }
    /* Style for Edit and Delete buttons */
    .btn-edit {
        background-color: #007BFF;
        color: white;
        padding: 6px 12px;
        border: none;
        border-radius: 4px;
        text-align: center;
        text-decoration: none;
        display: inline-block;
        font-size: 14px;
        cursor: pointer;
        margin-right: 5px;
    }

    .btn-edit:hover {
        background-color: #0056b3;
    }

    .btn-delete {
        background-color: #DC3545;
        color: white;
        padding: 6px 12px;
        border: none;
        border-radius: 4px;
        text-align: center;
        text-decoration: none;
        display: inline-block;
        font-size: 14px;
        cursor: pointer;
    }

    .btn-delete:hover {
        background-color: #ba303c;
    }
  </style>
  <link rel="stylesheet" type="text/css"
href="https://cdn.datatables.net/1.11.5/css/jquery.dataTables.css">
</head>

<br><br><br><br><br>
```

```
<h3 style="text-align:center;">Manage Categories</h3>

<!-- Container for Form and Table -->
<div class="container">
  <!-- Form to Create a Category -->
  <div class="form-container">
    <form method="post" enctype="multipart/form-data"  style="margin-
left:300px;margin-right:10px;">
        {{ form.as_p }}
        {% csrf_token %}

      {% comment %} <label for="category_name">Category Name</label>
      {% render_field categoryForm.name class="form-control" placeholder="Category
Name" %}
      <label for="category_description">Category Description</label>
      {% render_field categoryForm.description class="form-control"
placeholder="Category Description" %} {% endcomment %}

      <input type="submit" value="Create Category">
    </form>


  </div>

  <!-- Display Table of Categories using DataTables -->
  <div class="table-container">
    <table id="categoryTable" class="display">
      <thead>
        <tr>
          <th>Category Name</th>
          {% comment %} <th>Category Description</th> {% endcomment %}
          <th>Action</th>
        </tr>
      </thead>
      <tbody>
        {% for category in categories %}
          <tr>
            <td>{{ category.name }}</td>
            {% comment %} <td>{{ category.description }}</td> {% endcomment %}
            <td><a href="{% url 'update-category' category.id  %}"><button
class="btn btn-primary btn-xs"  data-target="#edit"><i class="fa fa-
edit"></i></button></a>
            <a href="{% url 'delete-category' category.id  %}" onclick="return
confirm('Are you sure you want to delete this category?')"><button class="btn btn-
danger btn-xs"><i class="fa fa-trash"></i></button></a> </td>
          </tr>
        {% endfor %}
      </tbody>
    </table>
```

```
  </div>
</div>

<script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>
<script src="https://cdn.datatables.net/1.11.5/js/jquery.dataTables.js"></script>

<script>
  $(document).ready(function() {
    // Initialize DataTable
    $('#categoryTable').DataTable();
  });
</script>

{% endblock content %}
```

Add Subsubcategory

```
{% extends 'vehicle/adminbase.html' %}
{% load widget_tweaks %}
{% load static %}
{% block content %}
<head>
  <style media="screen">
    /* Your existing CSS styles */
    input[type=text], select, input[type=number], input[type=password], textarea {
        width: 400px;
        padding: 12px 20px;
        margin: 8px 0;
        display: inline-block;
        border: 1px solid #ccc;
        border-radius: 4px;
        box-sizing: border-box;
      }

      input[type=submit] {
        width: 100%;
        background-color: #4CAF50;
        color: white;
        padding: 14px 20px;
        margin: 8px 0;
        border: none;
        border-radius: 4px;
        cursor: pointer;
      }

      input[type=submit]:hover {
        background-color: #45a049;
```

```
    }

    table {
      width: 100%;
      border-collapse: collapse;
    }

    table, th, td {
      border: 1px solid #ddd;
    }

    th, td {
      padding: 8px;
      text-align: left;
    }

    th {
      background-color: #f2f2f2;
    }
  .container {
    display: flex;
    justify-content: space-between;
  }
  .form-container {
    width: 30%;
  }
  .table-container {
    width: 45%;
    margin-left:300px;margin-right:50px;
  }
  /* Style for Edit and Delete buttons */
  .btn-edit {
      background-color: #007BFF;
      color: white;
      padding: 6px 12px;
      border: none;
      border-radius: 4px;
      text-align: center;
      text-decoration: none;
      display: inline-block;
      font-size: 14px;
      cursor: pointer;
      margin-right: 5px;
  }
  .btn-edit:hover {
      background-color: #0056b3;
  }
  .btn-delete {
      background-color: #DC3545;
```

```
        color: white;
        padding: 6px 12px;
        border: none;
        border-radius: 4px;
        text-align: center;
        text-decoration: none;
        display: inline-block;
        font-size: 14px;
        cursor: pointer;
    }
    .btn-delete:hover {
        background-color: #ba303c;
    }
    /* CSS styles for images in the table */
table#subsubcategoryTable img {

    border: 1px solid #ccc; /* Add a border to the images */
    margin: 5px; /* Add margin around the images */
}

  </style>
  <link rel="stylesheet" type="text/css"
href="https://cdn.datatables.net/1.11.5/css/jquery.dataTables.css">
</head>

<br><br><br><br><br>
<h3 style="text-align:center;">Manage Subcategories </h3>

<!-- Container for Form and Table -->
<div class="container">
  <!-- Form to Create a Subcategory -->
  <div class="form-container">
    <form method="post" enctype="multipart/form-data" style="margin-left: 300px;
margin-right: 10px;">
      {% csrf_token %}
      {{ subsubcategory_form.as_p }}
      <input type="submit" value="Create Subsubcategory">
  </form>

  </div>

  <!-- Display Table of Subcategories using DataTables -->
  <div class="table-container">

    <table id="subsubcategoryTable" class="display">
      <thead>
        <tr>
          <th>Subsubcategory Name</th>
          <th>SubCategory Name</th>
```

```
          <th>Category Name</th>
          <th>Image</th>
          <th>Descriptions</th>
          <th>Price</th>
          <th>Time</th>
          <th>Action</th>
        </tr>
      </thead>
      <tbody>
        {% for subsubcategory in subsubcategories %}
          <tr>
            <td>{{ subsubcategory.name }}</td>
            <td>{{ subsubcategory.subcategory.name }}</td>
            <td>{{ subsubcategory.subcategory.category.name }}</td>
            <td>{% if subsubcategory.image %}
              <img src="{{ subsubcategory.image.url }}" alt="{{
subsubcategory.name }}"height="40px" width="40px">
            {% endif %}</td>
            <td>{{ subsubcategory.description }}</td>
            <td>{{ subsubcategory.price}}</td>
            <td>{{ subsubcategory.hours_taken}}</td>

            <td>
            <a href="{% url 'update-subsubcategory' subsubcategory.id %}">
                <button class="btn btn-primary btn-xs">
                  <i class="fa fa-edit"></i>
                </button>
              </a>
               <a href="{% url 'delete-subsubcategory' subsubcategory.id %}">
                <button class="btn btn-danger btn-xs"onclick="return confirm('Are
you sure you want to delete this category?')">
                  <i class="fa fa-trash"></i>
                </button>
              </a>
            </td>
          </tr>
        {% endfor %}
      </tbody>
    </table>
  </div>
</div>

<script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>
<script src="https://cdn.datatables.net/1.11.5/js/jquery.dataTables.js"></script>

<script>
  $(document).ready(function() {
    // Initialize DataTable
    $('#subsubcategoryTable').DataTable();
```

```
  });
</script>

{% endblock content %}
```

Customerpage

```
{% load static %}
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="utf-8">
    <title>SPLASHPAINTZONE</title>
    <meta content="width=device-width, initial-scale=1.0" name="viewport">
    <meta content="" name="keywords">
    <meta content="" name="description">

    <!-- Favicon -->
    <link href="/static/images/favicon.ico" rel="icon">

    <!-- Google Web Fonts -->
    <link rel="preconnect" href="https://fonts.googleapis.com">
    <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
    <link
href="https://fonts.googleapis.com/css2?family=Barlow:wght@600;700&family=Ubuntu:w
ght@400;500&display=swap" rel="stylesheet">

    <!-- Icon Font Stylesheet -->
    <link href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/5.10.0/css/all.min.css" rel="stylesheet">
    <link href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.4.1/font/bootstrap-
icons.css" rel="stylesheet">

    <!-- Libraries Stylesheet -->
    <link href="/static/lib/animate/animate.min.css" rel="stylesheet">
    <link href="/static/lib/owlcarousel/assets/owl.carousel.min.css"
rel="stylesheet">
    <link href="/static/lib/tempusdominus/css/tempusdominus-bootstrap-4.min.css"
rel="stylesheet" />

    <!-- Customized Bootstrap Stylesheet -->
    <link href="/static/css/bootstrap.min.css" rel="stylesheet">

    <!-- Template Stylesheet -->
    <link href="/static/css/style.css" rel="stylesheet">
    <!-- Import lib -->
```

```
    <!-- End import lib -->

    <link rel="stylesheet" type="text/css" href="{% static "style.css" %}">

    <style>
        /* Remove default button styles */
        .plain-button {
            background: none;
            border: none;
            padding: 0;
            cursor: pointer;
            text-decoration: none; /* You can add an underline style if desired */
            text-transform: uppercase;
        }
    </style>
</head>

<body>
    <!-- Spinner Start -->
    <div id="spinner" class="show bg-white position-fixed translate-middle w-100
vh-100 top-50 start-50 d-flex align-items-center justify-content-center">
        <div class="spinner-border text-primary" style="width: 3rem; height:
3rem;" role="status">
            <span class="sr-only">Loading...</span>
        </div>
    </div>

    <nav class="navbar navbar-expand-lg bg-white navbar-light shadow sticky-top p-
0">
        <a href="index.html" class="navbar-brand d-flex align-items-center px-4
px-lg-5">
            <h2 class="m-0 text-primary"><i class="fa fa-car me-3"></i>SPLASH
PaintZone</h2>
        </a>
        <button type="button" class="navbar-toggler me-4" data-bs-
toggle="collapse" data-bs-target="#navbarCollapse">
            <span class="navbar-toggler-icon"></span>
        </button>
        <div class="collapse navbar-collapse" id="navbarCollapse">
            <div class="navbar-nav ms-auto p-4 p-lg-0">
                <a href="#" class="nav-item nav-link active">Home</a>
                <a href= "{% url 'about' %}"class="nav-item nav-link">About</a>
                <a href="#section1" class="nav-item nav-link">Services</a>
                {% comment %} <div class="nav-item dropdown"> {% endcomment %}
                    <button id="assessmentButton" class="plain-
button">Assessment</button>
```

```
                    <div class="btn-group"> <a href="{% url 'customer-request' %}"
class="nav-item nav-link dropdown-toggle dropdown-toggle-split py-4 px-lg-3" data-
bs-toggle="dropdown"aria-haspopup="true" aria-expanded="false">Appointment</a>

                      <div class="dropdown-menu"style="background-color:red;">
                        <!-- Dropdown items go here -->
                        <a class="dropdown-item" href="{%url 'customer-view-
request'%}">View Request</a>
                        <a class="dropdown-item" href="{%url 'customer-view-
approved-request' %}" >Approved Request</a>

                      </div>
                    </div>

                <a href="{%url 'customer-feedback'%}" class="nav-item nav-
link">FeedBack</a>
            </div>

            <div class="avt dropdown">
                <a href="#" > {{user.first_name.title|default:'Guest'}}</a>
                <ul id="user-menu" class="dropdown-menu">

                    <li  class="dropdown-menu-item"style="background-
color:black;">
                        <a href="/customer-profile" class="dropdown-menu-link">
                            <div>
                                <i class="fas fa-user-tie"></i>
                            </div>
                            <span>Profile</span>
                        </a>
                    </li>

                    <li  class="dropdown-menu-item"style="background-
color:black;">
                        <a href="/logout" class="dropdown-menu-link">
                            <div>
                                <i class="fas fa-sign-out-alt"></i>
                            </div>
                            <span>Logout</span>
                        </a>
                    </li>
                </ul>
            </div>

              </div>

        </div>
    </nav>
    <!-- Navbar End -->
```

```
    <!-- Carousel Start -->
    <div class="container-fluid p-0 mb-5">
        <div id="header-carousel" class="carousel slide" data-bs-ride="carousel">
            <div class="carousel-inner">
                <div class="carousel-item active">
                    <img class="w-100" src="/static/images/carousel-bg-1.jpg"
alt="Image">
                    <div class="carousel-caption d-flex align-items-center">
                        <div class="container">
                            <div class="row align-items-center justify-content-
center justify-content-lg-start">
                                <div class="col-10 col-lg-7 text-center text-lg-
start">
                                    {% comment %} <h6 class="text-white text-
uppercase mb-3 animated slideInDown">// Car Painting //</h6> {% endcomment %}
                                    <h1 class="display-3 text-white mb-4 pb-3
animated slideInDown">Welcome, {{user.first_name.title|default:'Guest'}}</h1>
                                    <h6 class="text-white text-uppercase mb-3
animated slideInDown">//  Welcome to <b>SPLASH PaintZone</b>, where automotive
dreams come to life through vibrant colors and flawless finishes.//</h6>
                                    <a href="" class="btn btn-primary py-3 px-5
animated slideInDown">Learn More<i class="fa fa-arrow-right ms-3"></i></a>
                                </div>

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

                </div>
            </div>
            <button class="carousel-control-prev" type="button" data-bs-
target="#header-carousel"
                data-bs-slide="prev">
                <span class="carousel-control-prev-icon" aria-
hidden="true"></span>
                <span class="visually-hidden">Previous</span>
            </button>
            <button class="carousel-control-next" type="button" data-bs-
target="#header-carousel"
                data-bs-slide="next">
                <span class="carousel-control-next-icon" aria-
hidden="true"></span>
                <span class="visually-hidden">Next</span>
            </button>
        </div>
    </div>
```

```
    <!-- Carousel End -->


    <!-- Service Start -->
    <div class="container-xxl py-5">
        <div class="container">
            <div class="row g-4">
                <div class="col-lg-4 col-md-6 wow fadeInUp" data-wow-delay="0.1s">
                    <div class="d-flex py-5 px-4">
                        <i class="fa fa-certificate fa-3x text-primary flex-
shrink-0"></i>
                        <div class="ps-4">
                            <h5 class="mb-3">Quality Servicing</h5>
                            <p>Enhanced service with user-friendly and
                               interactive</p>
                            <a class="text-secondary border-bottom" href="">Read
More</a>
                        </div>
                    </div>
                </div>
                <div class="col-lg-4 col-md-6 wow fadeInUp" data-wow-delay="0.3s">
                    <div class="d-flex bg-light py-5 px-4">
                        <i class="fa fa-users-cog fa-3x text-primary flex-shrink-
0"></i>
                        <div class="ps-4">
                            <h5 class="mb-3">Expert Workers</h5>
                            <p>Well trained and hard working qualified
employees</p>
                            <a class="text-secondary border-bottom" href="">Read
More</a>
                        </div>
                    </div>
                </div>
                <div class="col-lg-4 col-md-6 wow fadeInUp" data-wow-delay="0.5s">
                    <div class="d-flex py-5 px-4">
                        <i class="fa fa-tools fa-3x text-primary flex-shrink-
0"></i>
                        <div class="ps-4">
                            <h5 class="mb-3">Modern Equipment</h5>
                            <p>car’s finish in a compressor, spray gunGun painting
and polishing modern technological equipments</p>
                            <a class="text-secondary border-bottom" href="">Read
More</a>
                        </div>
                    </div>
                </div>
            </div>
        </div>
    </div>
```

```
    <!-- Service End -->


    <!-- About Start -->
    <div class="container-xxl py-5">
        <div class="container">
            <div class="row g-5">
                <div class="col-lg-6 pt-4" style="min-height: 400px;">
                    <div class="position-relative h-100 wow fadeIn" data-wow-
delay="0.1s">
                        <img class="position-absolute img-fluid w-100 h-100"
src="/static/images/about.jpg" style="object-fit: cover;" alt="">
                        <div class="position-absolute top-0 end-0 mt-n4 me-n4 py-4
px-5" style="background: rgba(0, 0, 0, .08);">
                            <h1 class="display-4 text-white mb-0">25 <span
class="fs-4">Years</span></h1>
                            <h4 class="text-white">Experience</h4>
                        </div>
                    </div>
                </div>
                <div class="col-lg-6">
                    <h6 class="text-primary text-uppercase">// About Us //</h6>
                    <h1 class="mb-4"><span class="text-primary">SPLASH
PaintZone</span> Is The Best Place For Your Auto Care</h1>
                    <p class="mb-4">Stay in the comforts of your home or office
and make the most
                        of our complimentary pick-up and drop-in service.</p>
                    <div class="row g-4 mb-3 pb-3">
                        <div class="col-12 wow fadeIn" data-wow-delay="0.1s">
                            <div class="d-flex">
                                <div class="bg-light d-flex flex-shrink-0 align-
items-center justify-content-center mt-1" style="width: 45px; height: 45px;">
                                    <span class="fw-bold text-secondary">01</span>
                                </div>
                                <div class="ps-3">
                                    <h6>Professional & Expert</h6>
                                    <span>Well trained and hard working qualified
employees</span>
                                </div>
                            </div>
                        </div>
                        <div class="col-12 wow fadeIn" data-wow-delay="0.3s">
                            <div class="d-flex">
                                <div class="bg-light d-flex flex-shrink-0 align-
items-center justify-content-center mt-1" style="width: 45px; height: 45px;">
                                    <span class="fw-bold text-secondary">02</span>
                                </div>
                                <div class="ps-3">
                                    <h6>Quality Servicing Center</h6>
```

```
                                    <span>Enhanced service with user-friendly and
interactive</span>
                                </div>
                            </div>
                        </div>
                        <div class="col-12 wow fadeIn" data-wow-delay="0.5s">
                            <div class="d-flex">
                                <div class="bg-light d-flex flex-shrink-0 align-
items-center justify-content-center mt-1" style="width: 45px; height: 45px;">
                                    <span class="fw-bold text-secondary">03</span>
                                </div>
                                <div class="ps-3">
                                    <h6>Quality Servicing Center</h6>
                                    <span>Enhanced service with user-friendly and
interactive</span>
                                </div>
                            </div>
                        </div>
                    </div>
                    <a href="" class="btn btn-primary py-3 px-5">Read More<i
class="fa fa-arrow-right ms-3"></i></a>
                </div>
            </div>
        </div>
    </div>
    <!-- About End -->


    <!-- Fact Start -->
    <div class="container-fluid fact bg-dark my-5 py-5">
        <div class="container">
            <div class="row g-4">
                <div class="col-md-6 col-lg-3 text-center wow fadeIn" data-wow-
delay="0.1s">
                    <i class="fa fa-check fa-2x text-white mb-3"></i>
                    <h2 class="text-white mb-2" data-toggle="counter-up">1234</h2>
                    <p class="text-white mb-0">Years Experience</p>
                </div>
                <div class="col-md-6 col-lg-3 text-center wow fadeIn" data-wow-
delay="0.3s">
                    <i class="fa fa-users-cog fa-2x text-white mb-3"></i>
                    <h2 class="text-white mb-2" data-toggle="counter-up">1234</h2>
                    <p class="text-white mb-0">Expert Techz</p>
                </div>
                <div class="col-md-6 col-lg-3 text-center wow fadeIn" data-wow-
delay="0.5s">
                    <i class="fa fa-users fa-2x text-white mb-3"></i>
                    <h2 class="text-white mb-2" data-toggle="counter-up">1234</h2>
                    <p class="text-white mb-0">Satisfied Clients</p>
```

```
                </div>
                <div class="col-md-6 col-lg-3 text-center wow fadeIn" data-wow-
delay="0.7s">
                    <i class="fa fa-car fa-2x text-white mb-3"></i>
                    <h2 class="text-white mb-2" data-toggle="counter-up">1234</h2>
                    <p class="text-white mb-0">Complete Service</p>
                </div>
            </div>
        </div>
    </div>
    <!-- Fact End -->


    <!-- Service Start -->
    <div class="container-xxl service py-5">
        <div class="container">
            <div class="text-center wow fadeInUp" data-wow-delay="0.1s">
                <h6 class="text-primary text-uppercase">// Our Services //</h6>
                <h1 class="mb-5">Explore Our Services</h1>
            </div>
            <div class="row g-4 wow fadeInUp" data-wow-delay="0.3s">
                <div class="col-lg-4">
                    <div class="nav w-100 nav-pills me-4">
                        <button class="nav-link w-100 d-flex align-items-center
text-start p-4 mb-4 active" data-bs-toggle="pill" data-bs-target="#tab-pane-1"
type="button">
                            <i class="fa fa-car-side fa-2x me-3"></i>
                            <h4 class="m-0">Diagnostic Test</h4>
                        </button>
                        <button class="nav-link w-100 d-flex align-items-center
text-start p-4 mb-4" data-bs-toggle="pill" data-bs-target="#tab-pane-2"
type="button">
                            <i class="fa fa-car fa-2x me-3"></i>
                            <h4 class="m-0">Denting& Painting</h4>
                        </button>
                        <button class="nav-link w-100 d-flex align-items-center
text-start p-4 mb-4" data-bs-toggle="pill" data-bs-target="#tab-pane-3"
type="button">
                            <i class="fa fa-cog fa-2x me-3"></i>
                            <h4 class="m-0">Car Spa & Cleaning</h4>
                        </button>
                        <button class="nav-link w-100 d-flex align-items-center
text-start p-4 mb-0" data-bs-toggle="pill" data-bs-target="#tab-pane-4"
type="button">
                            <i class="fa fa-oil-can fa-2x me-3"></i>
                            <h4 class="m-0">Detailing Service</h4>
                        </button>
                    </div>
                </div>
```

```
                <div class="col-lg-8">
                    <div class="tab-content w-100">
                        <div class="tab-pane fade show active" id="tab-pane-1">
                            <div class="row g-4">
                                <div class="col-md-6" style="min-height: 350px;">
                                    <div class="position-relative h-100">
                                        <img class="position-absolute img-fluid w-
100 h-100" src="/static/images/service-1.jpg"
                                            style="object-fit: cover;" alt="">
                                    </div>
                                </div>
                                <div class="col-md-6">
                                    <h3 class="mb-3">25 Years Of Experience In
Auto Servicing</h3>
                                    <p class="mb-4">Stay in the comforts of your
home or office and make the most
                                        of our complimentary pick-up and drop-in
service.</p>
                                    <p><i class="fa fa-check text-success me-
3"></i>Quality Servicing</p>
                                    <p><i class="fa fa-check text-success me-
3"></i>Expert Workers</p>
                                    <p><i class="fa fa-check text-success me-
3"></i>Modern Equipment</p>
                                    <a href="" class="btn btn-primary py-3 px-5
mt-3">Read More<i class="fa fa-arrow-right ms-3"></i></a>
                                </div>
                            </div>
                        </div>
                        <div class="tab-pane fade" id="tab-pane-2">
                            <div class="row g-4">
                                <div class="col-md-6" style="min-height: 350px;">
                                    <div class="position-relative h-100">
                                        <img class="position-absolute img-fluid w-
100 h-100" src="/static/images/service-2.jpg"
                                            style="object-fit: cover;" alt="">
                                    </div>
                                </div>
                                <div class="col-md-6">
                                    <h3 class="mb-3">25 Years Of Experience In
Auto Servicing</h3>
                                    <p class="mb-4">Stay in the comforts of your
home or office and make the most
                                        of our complimentary pick-up and drop-in
service.</p>
                                    <p><i class="fa fa-check text-success me-
3"></i>Quality Servicing</p>
                                    <p><i class="fa fa-check text-success me-
3"></i>Expert Workers</p>
```

```
                                    <p><i class="fa fa-check text-success me-
3"></i>Modern Equipment</p>
                                    <a href="" class="btn btn-primary py-3 px-5
mt-3">Read More<i class="fa fa-arrow-right ms-3"></i></a>
                                </div>
                            </div>
                        </div>
                        <div class="tab-pane fade" id="tab-pane-3">
                            <div class="row g-4">
                                <div class="col-md-6" style="min-height: 350px;">
                                    <div class="position-relative h-100">
                                        <img class="position-absolute img-fluid w-
100 h-100" src="/static/images/service-3.jpg"
                                            style="object-fit: cover;" alt="">
                                    </div>
                                </div>
                                <div class="col-md-6">
                                    <h3 class="mb-3">15 Years Of Experience In
Auto Servicing</h3>
                                    <p class="mb-4">Stay in the comforts of your
home or office and make the most
                                        of our complimentary pick-up and drop-in
service.</p>
                                    <p><i class="fa fa-check text-success me-
3"></i>Quality Servicing</p>
                                    <p><i class="fa fa-check text-success me-
3"></i>Expert Workers</p>
                                    <p><i class="fa fa-check text-success me-
3"></i>Modern Equipment</p>
                                    <a href="" class="btn btn-primary py-3 px-5
mt-3">Read More<i class="fa fa-arrow-right ms-3"></i></a>
                                </div>
                            </div>
                        </div>
                        <div class="tab-pane fade" id="tab-pane-4">
                            <div class="row g-4">
                                <div class="col-md-6" style="min-height: 350px;">
                                    <div class="position-relative h-100">
                                        <img class="position-absolute img-fluid w-
100 h-100" src="/static/images/service-4.jpg"
                                            style="object-fit: cover;" alt="">
                                    </div>
                                </div>
                                <div class="col-md-6">
                                    <h3 class="mb-3">15 Years Of Experience In
Auto Servicing</h3>
                                    <p class="mb-4">Stay in the comforts of your
home or office and make the most
```

```
                                        of our complimentary pick-up and drop-in
service.</p>
                                    <p><i class="fa fa-check text-success me-
3"></i>Quality Servicing</p>
                                    <p><i class="fa fa-check text-success me-
3"></i>Expert Workers</p>
                                    <p><i class="fa fa-check text-success me-
3"></i>Modern Equipment</p>
                                    <a href="" class="btn btn-primary py-3 px-5
mt-3">Read More<i class="fa fa-arrow-right ms-3"></i></a>
                                </div>
                            </div>
                        </div>
                    </div>
                </div>
            </div>
        </div>

    <section id="section1">
    <!-- Team Start -->
    <div class="container-xxl py-5">
        <div class="container">
            <div class="text-center wow fadeInUp" data-wow-delay="0.1s">
                {% comment %} <h6 class="text-primary text-uppercase">// Our
Technicians //</h6> {% endcomment %}
                <h1 class="mb-5">Our Service Avaliable</h1>
            </div>
            <div class="row g-4">
                <div class="col-lg-3 col-md-6 wow fadeInUp" data-wow-delay="0.1s">

                    <div class="team-item">
                        <div class="position-relative overflow-hidden">
                            <img class="img-fluid" src="img/team-1.jpg" alt="">
                            <div class="team-overlay position-absolute start-0
top-0 w-100 h-100">
                                <a class="btn btn-square mx-1" href=""><i
class="fa fa-plus-square"></i></a>
                                <a class="btn btn-square mx-1" href=""><i
class="fas fa-tools"></i></a>
                                <a class="btn btn-square mx-1" href=""><i
class="fa fa-plus-square"></i></a>
                            </div>
                        </div> <a href="{%url 'service_one'%}">
                        <div class="bg-light text-center p-4">
                            <h5 class="fw-bold mb-
0">{{diagnostic_category}}</h5><br>
                            <img class="img-fluid" src="{% static
'images/ser1.png' %}" alt="" style="width:50px;height:60px;">
```

```
                    </div>
                </a>
                </div>
            </div>
            <div class="col-lg-3 col-md-6 wow fadeInUp" data-wow-delay="0.3s">
                <div class="team-item">
                    <div class="position-relative overflow-hidden">
                        <img class="img-fluid" src="img/team-2.jpg" alt="">
                        <div class="team-overlay position-absolute start-0
top-0 w-100 h-100">
                            <a class="btn btn-square mx-1" href=""><i
class="fa fa-plus-square"></i></a>
                            <a class="btn btn-square mx-1" href=""><i
class="fas fa-tools"></i></a>
                            <a class="btn btn-square mx-1" href=""><i
class="fa fa-plus-square"></i></a>
                        </div>
                    </div>
                    <a href="{% url 'service_two'
category_id=category_id   %}">
                    <div class="bg-light text-center p-4">
                        <h5 class="fw-bold mb-0">{{
denting_painting_category_name }}</h5>
                        <br>
                        <img class="img-fluid" src="{% static
'images/ser2.png' %}" alt="" style="width:50px;height:60px;">
                    </div>
                </div></a>
            </div>
            <div class="col-lg-3 col-md-6 wow fadeInUp" data-wow-delay="0.5s">
                <div class="team-item">
                    <div class="position-relative overflow-hidden">
                        <img class="img-fluid" src="img/team-3.jpg" alt="">
                        <div class="team-overlay position-absolute start-0
top-0 w-100 h-100">
                            <a class="btn btn-square mx-1" href=""><i
class="fa fa-plus-square"></i></a>
                            <a class="btn btn-square mx-1" href=""><i
class="fas fa-tools"></i></a>
                            <a class="btn btn-square mx-1" href=""><i
class="fa fa-plus-square"></i></a>
                        </div>
                    </div>
                    <a href="{% url 'service_three'   %}">
                    <div class="bg-light text-center p-4">
                        <h5 class="fw-bold mb-0">{{ car_spa_category_name
}}</h5>
                        <br>
```

```
                            <img class="img-fluid" src="{% static
'images/ser3.png' %}" alt="" style="width:50px;height:60px;">
                        </div>
                    </div></a>
                </div>
                <div class="col-lg-3 col-md-6 wow fadeInUp" data-wow-delay="0.7s">
                    <div class="team-item">
                        <div class="position-relative overflow-hidden">
                            <img class="img-fluid" src="img/team-4.jpg" alt="">
                            <div class="team-overlay position-absolute start-0
top-0 w-100 h-100">
                                <a class="btn btn-square mx-1" href=""><i
class="fa fa-plus-square"></i></a>
                                <a class="btn btn-square mx-1" href=""><i
class="fas fa-tools"></i></a>
                                <a class="btn btn-square mx-1" href=""><i
class="fa fa-plus-square"></i></a>
                            </div>
                        </div>
                        <a href="{% url 'service_four'   %}">
                        <div class="bg-light text-center p-4">
                            <h5 class="fw-bold mb-0">{{ detailing_category_name
}}</h5>
                            <br>
                            <img class="img-fluid" src="{% static
'images/ser4.png' %}" alt="" style="width:50px;height:60px;">
                        </div>
                    </div></a>
                </div>
            </div>
        </div>
    </div>
    <!-- Team End -->

</section>

    <!-- Footer Start -->
    <div class="container-fluid bg-dark text-light footer pt-5 mt-5 wow fadeIn"
data-wow-delay="0.1s">
        <div class="container py-5">
            <div class="row g-5">
                <div class="col-lg-3 col-md-6">
                    <h4 class="text-light mb-4">Address</h4>
                    <p class="mb-2"><i class="fa fa-map-marker-alt me-3"></i>123
Street, Kanjirappally, Kerala</p>
                    <p class="mb-2"><i class="fa fa-phone-alt me-3"></i>+912 345
67890</p>
                    <p class="mb-2"><i class="fa fa-envelope me-
3"></i>splashpaintzone@gmail.com</p>
```

```
                    <div class="d-flex pt-2">
                        <a class="btn btn-outline-light btn-social" href=""><i
class="fab fa-twitter"></i></a>
                        <a class="btn btn-outline-light btn-social" href=""><i
class="fab fa-facebook-f"></i></a>
                        <a class="btn btn-outline-light btn-social" href=""><i
class="fab fa-youtube"></i></a>
                        <a class="btn btn-outline-light btn-social" href=""><i
class="fab fa-linkedin-in"></i></a>
                    </div>
                </div>
                <div class="col-lg-3 col-md-6">
                    <h4 class="text-light mb-4">Opening Hours</h4>
                    <h6 class="text-light">Monday - Friday:</h6>
                    <p class="mb-4">09.00 AM - 05.00 PM</p>
                    <h6 class="text-light">Saturday - Sunday:</h6>
                    <p class="mb-0">09.00 AM - 12.00 PM</p>
                </div>
                <div class="col-lg-3 col-md-6">
                    <h4 class="text-light mb-4">Services</h4>
                    <a class="btn btn-link" href="">Diagnostic Test</a>
                    <a class="btn btn-link" href="">Denting & Painting</a>
                    <a class="btn btn-link" href="">Car spa & Cleaning</a>
                    <a class="btn btn-link" href="">Detailing services</a>
                    {% comment %} <a class="btn btn-link" href="">Vacuam
Cleaning</a> {% endcomment %}
                </div>
                <div class="col-lg-3 col-md-6">
                    <h4 class="text-light mb-4">Blogs</h4>
                    <p>The customer reviews .</p>
                    <div class="position-relative mx-auto" style="max-width:
400px;">
                        <input class="form-control border-0 w-100 py-3 ps-4 pe-5"
type="text" placeholder="Your email">
                        <button type="button" class="btn btn-primary py-2
position-absolute top-0 end-0 mt-2 me-2">SignUp</button>
                    </div>
                </div>
            </div>
        </div>
        <div class="container">
            <div class="copyright">
                <div class="row">
                    <div class="col-md-6 text-center text-md-start mb-3 mb-md-0">
                        &copy; <a class="border-bottom"
href="#">SplashPaintZone</a>, All Right Reserved.

                        <!--/*** This template is free as long as you keep the
footer author’s credit link/attribution link/backlink. If you'd like to use the
```

```
template without the footer author's credit link/attribution link/backlink, you
can purchase the Credit Removal License from "https://htmlcodex.com/credit-
removal". Thank you for your support. ***/-->

                    </div>
                    <div class="col-md-6 text-center text-md-end">
                        <div class="footer-menu">
                            <a href="">Home</a>
                            <a href="">Cookies</a>
                            <a href="">Help</a>
                            <a href="">FQAs</a>
                        </div>
                    </div>
                </div>
            </div>
        </div>
    </div>
    <!-- Footer End -->


    <!-- Back to Top -->
    <a href="#" class="btn btn-lg btn-primary btn-lg-square back-to-top"><i
class="bi bi-arrow-up"></i></a>


    <!-- JavaScript Libraries -->
    <script src="https://code.jquery.com/jquery-3.4.1.min.js"></script>
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.0/dist/js/bootstrap.bundle.min.js"
></script>
    <script src="/static/lib/wow/wow.min.js"></script>
    <script src="/static/lib/easing/easing.min.js"></script>
    <script src="/static/lib/waypoints/waypoints.min.js"></script>
    <script src="/static/lib/counterup/counterup.min.js"></script>
    <script src="/static/lib/owlcarousel/owl.carousel.min.js"></script>
    <script src="/static/lib/tempusdominus/js/moment.min.js"></script>
    <script src="/static/lib/tempusdominus/js/moment-timezone.min.js"></script>
    <script src="/static/lib/tempusdominus/js/tempusdominus-bootstrap-
4.min.js"></script>

    <!-- Template Javascript -->

    <script src="/static/js/main.js"></script>
    <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>

    <script>
        $(document).ready(function () {
            // Add smooth scrolling to all anchor links
            $("a").on('click', function (event) {
```

```
                if (this.hash !== "") {
                    event.preventDefault();

                    var hash = this.hash;
                    $('html, body').animate({
                        scrollTop: $(hash).offset().top
                    }, 800, function () {
                        window.location.hash = hash;
                    });
                }
            });
        });

        // Get the button element by its ID
        const button = document.getElementById('assessmentButton');

        // Add a click event listener to the button
        button.addEventListener('click', function() {
            // Redirect to the specified URL when the button is clicked
            window.location.href = 'https://1bc59dfc32045d7f61.gradio.live';
        });

    </script>
</body>

</html>
```

Service_one

```
<!DOCTYPE html>
<html lang="en">
    {% load static %}

<head>
        <meta charset="utf-8">
        <title></title>
        <meta name="viewport" content="width=device-width, initial-scale=1.0,
user-scalable=0">

        <!-- Favicons -->
        <link href="{%static 'assets/img/favicon.png'%}" rel="icon">

        <!-- Bootstrap CSS -->
        <link rel="stylesheet" href="{%static 'assets/css/bootstrap.min.css'%}">

        <!-- Fontawesome CSS -->
        <link rel="stylesheet" href="{%static
'assets/plugins/fontawesome/css/fontawesome.min.css'%}">
```

```
        <link rel="stylesheet" href="{%static
'assets/plugins/fontawesome/css/all.min.css'%}">

        <!-- Datetimepicker CSS -->
        <link rel="stylesheet" href="{%static 'assets/css/bootstrap-
datetimepicker.min.css '%}">

        <!-- Select2 CSS -->
        <link rel="stylesheet" href="{%static
'assets/plugins/select2/css/select2.min.css'%}">

        <!-- Fancybox CSS -->
        <link rel="stylesheet" href="{%static
'assets/plugins/fancybox/jquery.fancybox.min.css'%}">

        <!-- Main CSS -->
        <link rel="stylesheet" href="{%static 'assets/css/style.css'%}">




    </head>
    <body>

        <!-- Main Wrapper -->
        <div class="main-wrapper">

            <!-- Header --

            <!-- Page Content -->
            <div class="content">
                <div class="container-fluid">

                    <div class="row">
                        <div class="col-md-12 col-lg-4 col-xl-3
theiaStickySidebar">

                            <div class="breadcrumb-bar" style="background-
color:#D81324;width:1500px;">
                                <div class="container-fluid">
                                    <div class="row align-items-center">
                                        <div class="col-md-12 col-12">
                                            <nav aria-label="breadcrumb"
class="page-breadcrumb">
                                                <ol class="breadcrumb">
                                                    <li class="breadcrumb-item"><a
href="{%url 'users-home'%}">Home</a></li>
                                                    <li class="breadcrumb-item
active" aria-current="page">Diagnostic Test</li>
```

```
                                            </ol>
                                        </nav>
                                        <h2 class="breadcrumb-title">Scheduled
Package</h2>
                                    </div>
                                </div>
                            </div>
                        </div>
                    </div> </div>
                        <div class="col-md-12 col-lg-8 col-xl-9" style="margin-
top:60px;margin-left:50px;">
                            {% for subsubcategory in subsubcategories %}
                            <!-- Doctor Widget -->
                            {% if forloop.counter <= 2 %}
                            <div class="card">
                                <div class="card-body">
                                    <div class="doctor-widget">
                                        <div class="doc-info-left">
                                            <div class="doctor-img">
                                                <a href="doctor-profile.html">

                                                    <img src="{{
subsubcategory.image.url }}" class="img-fluid" alt="User Image"height="100%"
width="100%">
                                                </a>
                                            </div>
                                            <div class="doc-info-cont">

                                                <option value="{{
subsubcategory.id }}"><h4 class="doc-name">{{ subsubcategory.name }}</h4></option>
                                                <p class="doc-speciality">{{
subsubcategory.description }}</p>
                                                <div class="rating">
                                                    <i class="fas fa-star
filled"></i>

                                                    <i class="fas fa-star
filled"></i>

                                                    <i class="fas fa-star
filled"></i>

                                                    <i class="fas fa-star
filled"></i>

                                                    <i class="fas fa-star"></i>
                                                    <span class="d-inline-block
average-rating">(17)</span>
                                                </div>
                                                <div class="clinic-details">
                                                    <p class="doc-location"><i
class="#"></i>100Km or 1 month Warranty</p>
                                                </div>
```

```
                                                <div class="clinic-services">
                                                    <span>Coolant - Top up</span>
                                                    <span> Multi-Layer
Coating</span>
                                                </div>
                                            </div>
                                        </div>
                                        <div class="doc-info-right">
                                            <div class="clini-infos">
                                                <ul>

                                                    <li><i class="far fa-
hourglass"></i>{{ subsubcategory.hours_taken}} Hours</li>
                                                     <li> </li>
                                                    <li><i class="far fa-money-
bill-alt"></i> Rs- {{ subsubcategory.price}} </li>
                                                </ul>
                                            </div>
                                            <div class="clinic-booking">
                                             <a class="btn btn-block btn-outline-
primary select-button" style="background-color:#D81324; border: 2px solid
#D81324;"onclick="selectCarModel('{{ car_model.id }}')" href="{% url 'selectcar'
subsubcategory_id=subsubcategory.id %}">Select Car</a>

                                            </div>
                                        </div>
                                    </div>
                                </div>
                            </div> {% endif %}
                            {% endfor %}</select>


        </div>
        <!-- /Main Wrapper -->

        <!-- jQuery -->
        <script src="{%static 'assets/js/jquery.min.js'%}"></script>

        <!-- Bootstrap Core JS -->
        <script src="{%static 'assets/js/popper.min.js'%}"></script>
        <script src="{%static 'assets/js/bootstrap.min.js'%}"></script>

        <!-- Sticky Sidebar JS -->
        <script src="{%static 'assets/plugins/theia-sticky-
sidebar/ResizeSensor.js'%}"></script>
        <script src="{%static 'assets/plugins/theia-sticky-sidebar/theia-sticky-
sidebar.js'%}"></script>

        <!-- Select2 JS -->
```

```
        <script src="{%static
'assets/plugins/select2/js/select2.min.js'%}"></script>

        <!-- Datetimepicker JS -->
        <script src="{%static 'assets/js/moment.min.js'%}"></script>
        <script src="{%static 'assets/js/bootstrap-
datetimepicker.min.js'%}"></script>

        <!-- Fancybox JS -->
        <script src="{%static
'assets/plugins/fancybox/jquery.fancybox.min.js'%}"></script>

        <!-- Custom JS -->
        <script src="{%static 'assets/js/script.js'%}"></script>
        <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>

<!-- Bootstrap JS -->

    </body>

</html>
```

Booking

```
<!DOCTYPE html>
<html lang="en">
    {% load static %}
<!-- doccure/checkout.html  30 Nov 2019 04:12:16 GMT -->
<head>
        <meta charset="utf-8">
        <title>SplashPaintZone</title>
        <meta name="viewport" content="width=device-width, initial-scale=1.0,
user-scalable=0">

        <!-- Favicons -->
        <link href="{%static "assets/img/favicon.png"%}" rel="icon">

        <!-- Bootstrap CSS -->
        <link rel="stylesheet" href="{%static "assets/css/bootstrap.min.css"%}">

        <!-- Fontawesome CSS -->
        <link rel="stylesheet" href="{%static
"assets/plugins/fontawesome/css/fontawesome.min.css"%}">
        <link rel="stylesheet" href="{%static
"assets/plugins/fontawesome/css/all.min.css"%}">

        <!-- Main CSS -->
        <link rel="stylesheet" href="{%static "assets/css/style.css"%}">
```

```
        <!-- HTML5 shim and Respond.js IE8 support of HTML5 elements and media
queries -->
        <!--[if lt IE 9]>
            <script src="assets/js/html5shiv.min.js"></script>
            <script src="assets/js/respond.min.js"></script>
        <![endif]-->

    </head>
    <body>

        <!-- Main Wrapper -->
        <div class="main-wrapper">

            <!-- Header -->
            <header class="header">
                <nav class="navbar navbar-expand-lg header-nav">
                    <div class="navbar-header">
                        <a id="mobile_btn" href="javascript:void(0);">
                            <span class="bar-icon">
                                <span></span>
                                <span></span>
                                <span></span>
                            </span>
                        </a>
                        <a href="index-2.html" class="navbar-brand logo">
                            <h2 style="color:#D81324;" ><i class="fa fa-car me-
3"></i>SPLASH PaintZone</h2>
                    </div>
                    <div class="main-menu-wrapper">
                        <div class="menu-header">
                            <a href="index-2.html" class="menu-logo">
                                <img src="assets/img/logo.png" class="img-fluid"
alt="Logo">
                            </a>
                            <a id="menu_close" class="menu-close"
href="javascript:void(0);">
                                <i class="fas fa-times"></i>
                            </a>
                        </div>
                        <ul class="main-nav">
                            <li>
                                <a href="index-2.html">Home</a>
                            </li>
                            <li class="has-submenu ">
                                <a href="{% url 'about' %}">About </a>
                            </li>
                            <li class="has-submenu active">
                                <a href="#">Services</a>
```

```
                            </li>
                            <li class="has-submenu">
                                <a href="#">Appointments <i class="fas fa-chevron-
down"></i></a>
                                <ul class="submenu">
                                    <li><a href="{%url 'customer-view-
request'%}">View Request</a></li>
                                    <li><a href="{%url 'customer-view-approved-
request'%}">Approved Request</a></li>


                                </ul>
                            </li>

                        </ul>
                    </div>
                    <ul class="nav header-navbar-rht">


                        <!-- User Menu -->
                        <li class="nav-item dropdown has-arrow logged-item">
                            <a href="#" class="dropdown-toggle nav-link" data-
toggle="dropdown">
                                <span class="user-img">
                                    <h6>{{user.first_name.title}}</h6>
                                </span>
                            </a>
                            <div class="dropdown-menu dropdown-menu-right">

                                <a class="dropdown-item" href="/customer-profile">
                                    <i class="fas fa-user-tie"></i>

                                <span>Profile</span></a>
                                <a class="dropdown-item" href="/logout" >
                                    <i class="fas fa-sign-out-alt"></i>
                                <span>Logout</span></a>

                            </div>
                        </li>
                        <!-- /User Menu -->

                    </ul>
                </nav>
            </header>
            <!-- /Header -->
            <!-- Breadcrumb -->
            <div class="breadcrumb-bar"style="background-color:#D81324;">
                <div class="container-fluid">
                    <div class="row align-items-center">
```

```
                        <div class="col-md-12 col-12">
                            <nav aria-label="breadcrumb" class="page-breadcrumb">
                                <ol class="breadcrumb">
                                    <li class="breadcrumb-item"><a href="{%url
'users-home'%}">Home</a></li>
                                    <li class="breadcrumb-item active" aria-
current="page">Booking</li>
                                </ol>
                            </nav>
                            <h2 class="breadcrumb-title"><a href="#" style="text-
decoration:none; color:white;"onclick="goBack()">Booking</a></h2>
                        </div>
                    </div>
                </div>
            </div>
            <!-- /Breadcrumb -->

            <!-- Page Content -->
            <div class="content">
                <div class="container">

                    <div class="row">
                        <div class="col-md-7 col-lg-8">
                            <div class="card">
                                <div class="card-body">

                                    <form method="post"enctype="multipart/form-
data">
                                        {% csrf_token %}
                                        <div class="info-widget"style="margin-
left:100px;">

                                            <div id="error-message">
                                                {% if form.errors %}
                                                <ul class="errorlist">
                                                    {% for field, errors in
form.errors.items %}

                                                    <b>{{ errors.0 }}</b>
                                                    {% endfor %}
                                                </ul>
                                                {% endif %}
                                            </div>
                                            <h4 class="card-title">Please fill
Information</h4>

                                        <div class="col-md-6 col-sm-12">
                                            <div class="form-group card-label">
                                                <label for="{{
form.name.id_for_label }}">Name</label>
```

```
                                        {{ form.name }}
                                    </div>
                                </div>
                                <div class="col-md-6 col-sm-12">
                                    <div class="form-group card-label">
                                        <label for="{{
form.address.id_for_label }}">Address</label>
                                        {{ form.address }}
                                    </div>
                                </div>
                                <div class="col-md-6 col-sm-12">
                                    <div class="form-group card-label">
                                        <label for="{{
form.Alternative_mobile.id_for_label }}">Alternative Mobile</label>
                                        {{ form.Alternative_mobile }}
                                    </div>
                                </div>
                                <div class="col-md-6 col-sm-12">
                                    <div class="form-group card-label">
                                        <label for="{{
form.appointment_date.id_for_label }}">Appointment Date</label>
                                        {{ form.appointment_date }}
                                    </div>
                                </div>
                                <div class="col-md-6 col-sm-12">
                                    <div class="form-group card-label">
                                        <label for="{{
form.payment_method.id_for_label }}">Payment Method</label>
                                        {{ form.payment_method }}
                                    </div>
                                </div>
                                <!-- Add other form fields here -->


                                <div class="payment-widget"style="margin-
left:100px;">
                                    <div class="submit-section mt-4">
                                        <button type="submit" class="btn
btn-primary submit-btn"style="background-color:#D81324;color: white; padding: 14px
20px; margin: 8px 0; border: none; border-radius: 4px; cursor:
pointer;">BOOK</button>
                                    </div>
                                </div>
                                </div>
                            </form>
                            <!-- /Checkout Form -->


                        </div>
```

```
                            </div>

                        </div>

                        <div class="col-md-5 col-lg-4 theiaStickySidebar">

                            <!-- Booking Summary -->
                            <div class="card booking-card">
                                <div class="card-header">
                                    <h4 class="card-title">Booking Summary</h4>
                                </div>
                                <div class="card-body">

                                    <!-- Booking Doctor Info -->
                                    <div class="booking-doc-info">
                                        <a href="doctor-profile.html"
class="booking-doc-img">
                                            <img src="{{ subsubcategory.image.url
}}" alt="User Image">
                                        </a>
                                        <div class="booking-info">
                                            <h4><a href="doctor-profile.html">{{
subsubcategory.name }}</a></h4>
                                            <div class="rating">
                                                <i class="fas fa-star filled"></i>
                                                <i class="fas fa-star filled"></i>
                                                <i class="fas fa-star filled"></i>
                                                <i class="fas fa-star filled"></i>
                                                <i class="fas fa-star"></i>
                                                <span class="d-inline-block
average-rating">35</span>
                                            </div>
                                            <div class="clinic-details">
                                                <i class="far fa-hourglass"></i>{{
subsubcategory.hours_taken}} Hours</i>
                                            </div>
                                        </div>
                                    </div>
                                    <!-- Booking Doctor Info -->

                                    <div class="booking-summary">
                                        <div class="booking-item-wrap">
                                            <ul class="booking-date">
                                                <li> <span>{{
subsubcategory.description }}</span></li>
                                                <br><br>
                                            </ul>

                                            <div class="booking-total">
```

```
                                                <ul class="booking-total-list">
                                                    <li>
                                                        <span>Total</span>
                                                        <span class="total-cost">
{{ subsubcategory.price }}</span>
                                                    </li>
                                                </ul>
                                            </div>
                                        </div>
                                    </div>
                                </div>
                                <!-- /Booking Summary -->

                            </div>
                        </div>

                    </div>

                </div>
                <!-- /Page Content -->



        </div>
        <!-- /Main Wrapper -->

        <!-- jQuery -->
        <script src="{%static "assets/js/jquery.min.js"%}"></script>

        <!-- Bootstrap Core JS -->
        <script src="{%static "assets/js/popper.min.js"%}"></script>
        <script src="{%static "assets/js/bootstrap.min.js"%}"></script>

        <!-- Sticky Sidebar JS -->
        <script src="{%static "assets/plugins/theia-sticky-
sidebar/ResizeSensor.js"%}"></script>
        <script src="{%static "assets/plugins/theia-sticky-sidebar/theia-sticky-
sidebar.js"%}"></script>

        <!-- Custom JS -->
        <script src="{%static "assets/js/script.js"%}"></script>
        <script>
            function goBack() {
                window.history.back();
              }

        </script>
```

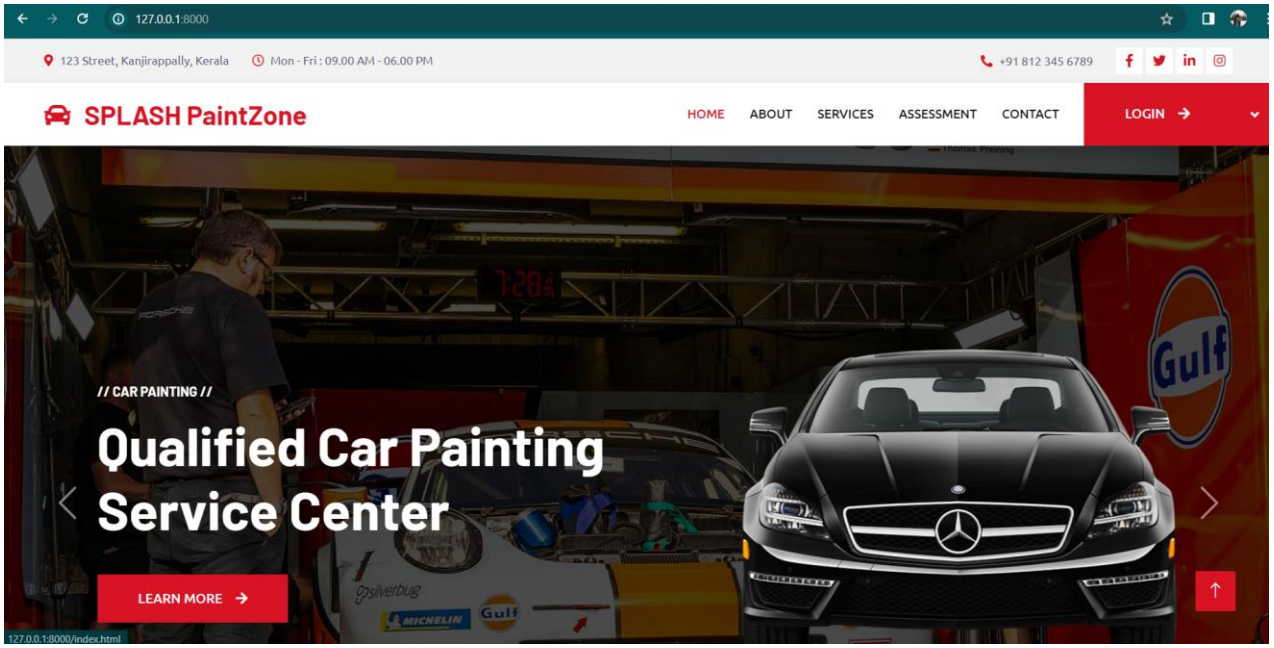
Payment_confirmation

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Payment Confirmation</title>
    <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">
    <style>
        body {
            background-color: #f5f5f5;
        }
        .payment-container {
            max-width: 600px;
            margin: 0 auto;
            padding: 20px;
            background-color: #fff;
            box-shadow: 0 2px 5px rgba(0, 0, 0, 0.1);
            border-radius: 5px;
            margin-top: 200px;

        }
        .payment-success {
            color: #D81324 ;
            font-size: 36px;
            text-align: center;
        }
        .confirmation-details {
            margin-top: 20px;
            padding: 20px;
            border: 1px solid #ccc;
            border-radius: 5px;
        }
        /* Add Bootstrap classes for styling */
        .btn-payment {
            background-color: #D81324;
            color: white;
            padding: 14px 20px;
            margin: 8px 0;
            border: none;
            border-radius: 4px;
            cursor: pointer;
        }

    </style>
</head>
<body>
    <div class="container">
```

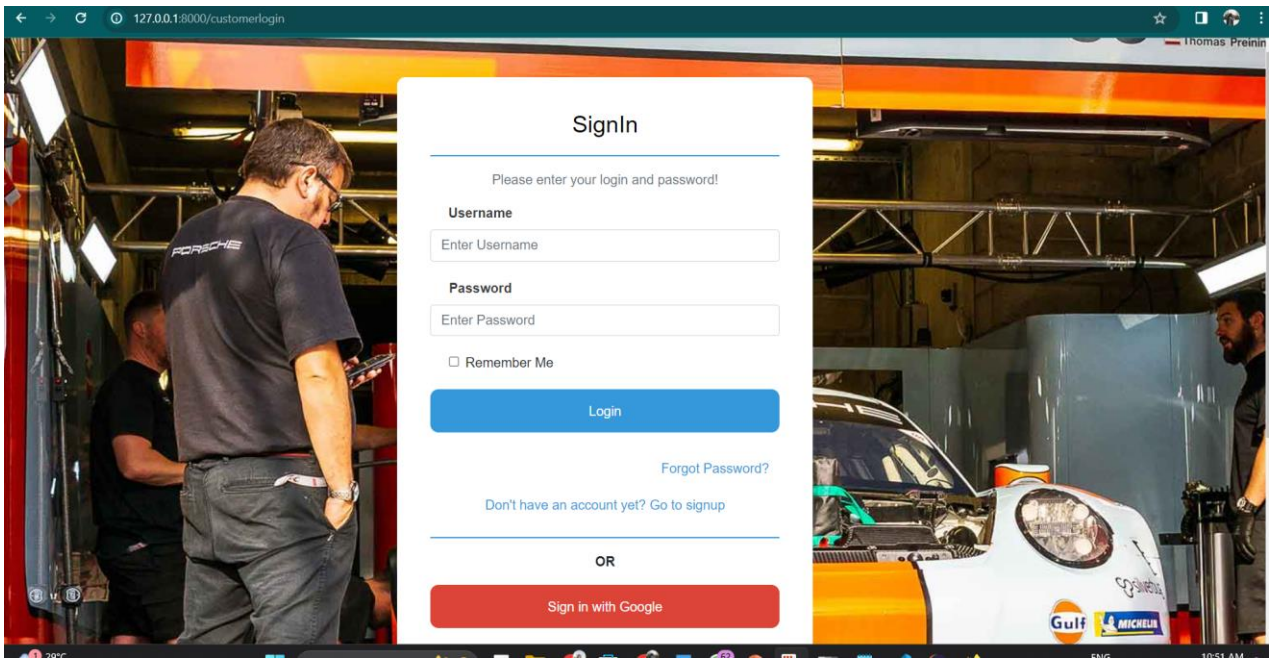
```
        <div class="payment-container">
            <h1 class="payment-success">Payment Confirmation</h1>
            <div class="confirmation-details">
                <h3 style="color:black;">.....................Your
Booking.....................</h3><br><br>

                <div class="row">
                    <div class="col">
                        <p><strong>Payment Amount:</strong> {{
booking.selected_subsubcategory.price }}</p>
                    </div>
                    <div class="col">
                        <p><strong>Date:</strong> {{ booking.appointment_date
}}</p>
                    </div>
                </div>
                <button class="btn btn-payment" id="pay-btn">Book
Appointment</button>
            </div>
        </div>
    </div>
</body>
<!-- Razorpay's Javascript code. -->
<script src="https://checkout.razorpay.com/v1/checkout.js"></script>
<script>
  var options = {
    // Enter the Key ID generated from the Dashboard
    key: "{{ razorpay_merchant_key }}",
    // Amount is in currency subunits.
    // Default currency is INR. Hence,
    // 50000 refers to 50000 paise
    amount: "{{ razorpay_amount }}",
    currency: "{{ currency }}",
    // Your/store name.
    name: "Dj Razorpay",
    // Pass the `id` obtained in the response of Step 1
    order_id: "{{ razorpay_order_id }}",
    callback_url: "{{ callback_url }}",
  };

  // initialise razorpay with the options.
  var rzp1 = new Razorpay(options);

  // add event listener to the payment button.
  document.getElementById("pay-btn").onclick = function (e) {
    rzp1.open();
    e.preventDefault();
  };
</script>
```

9.1 Screen Shots

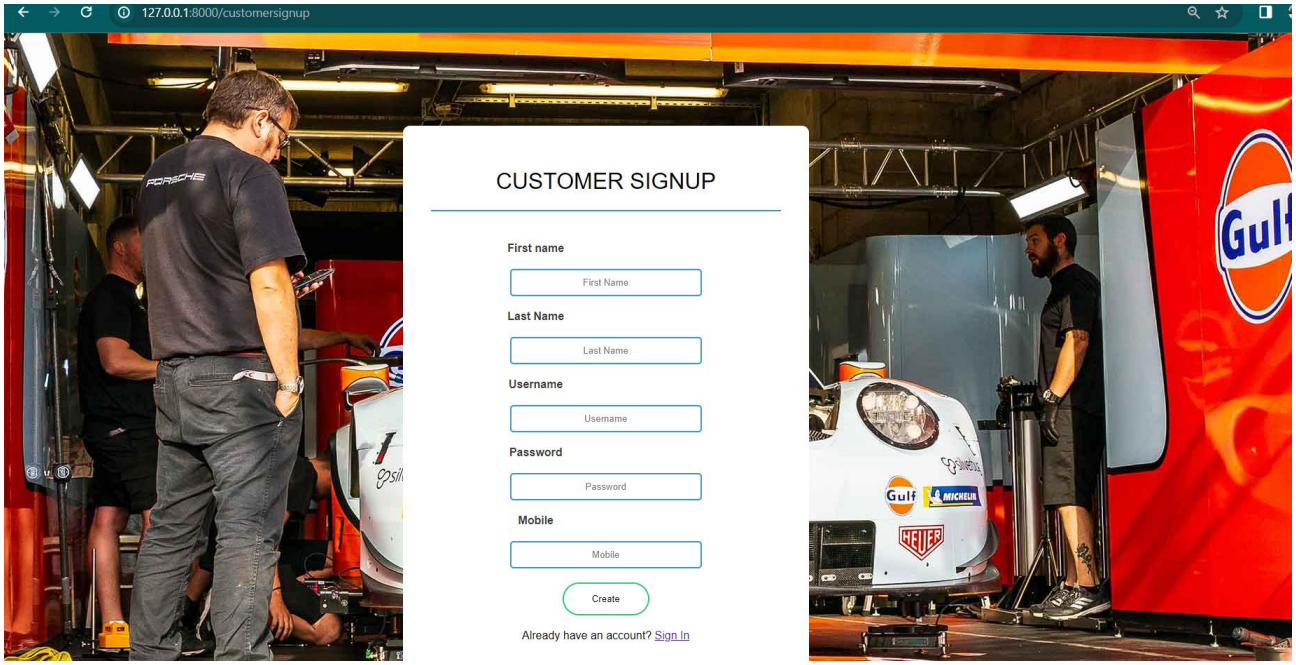
Index page



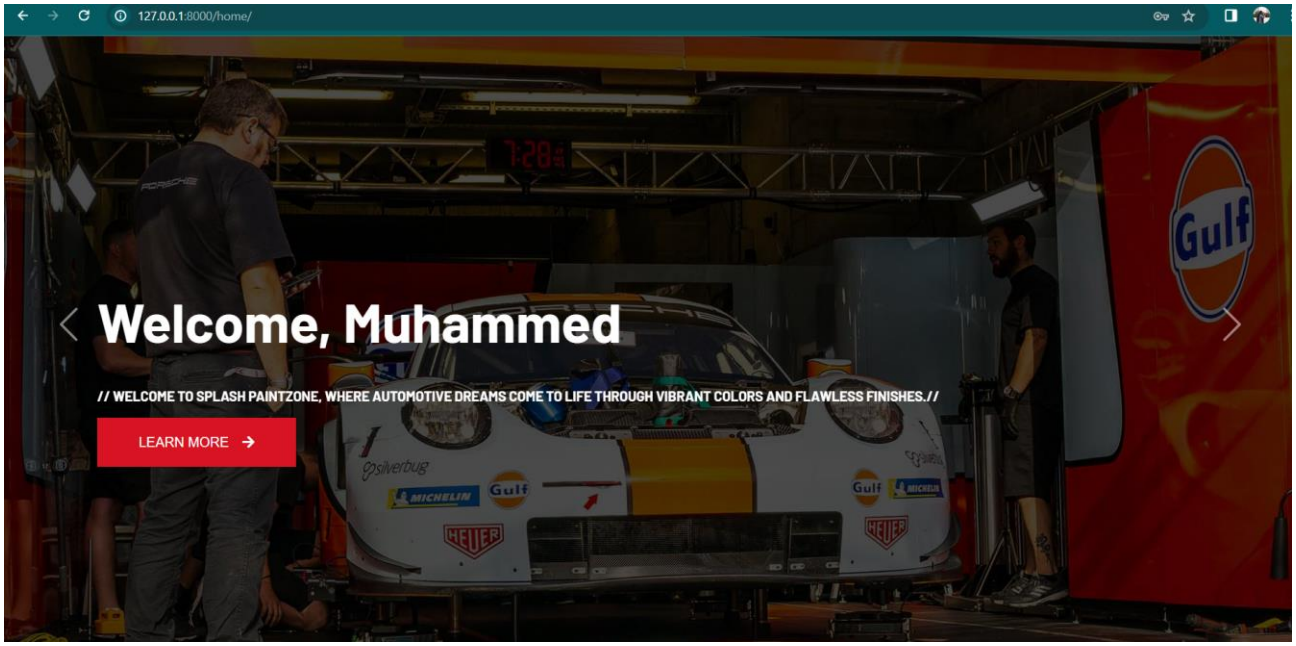
Customer login page



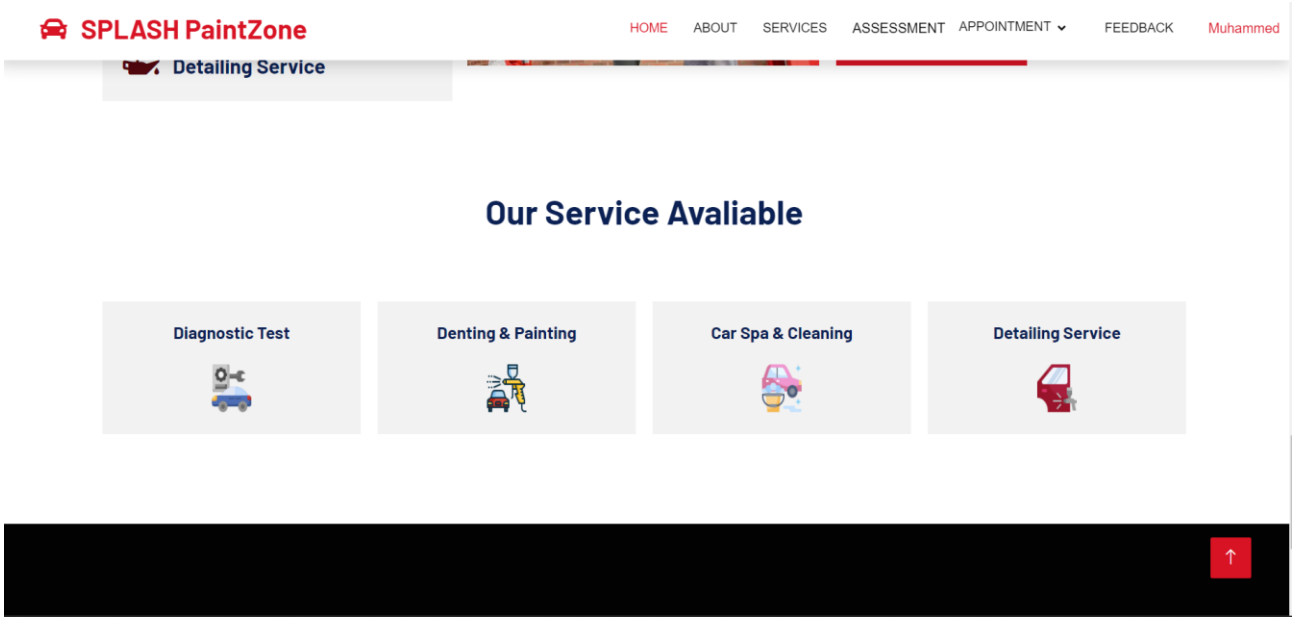
Customer Register page



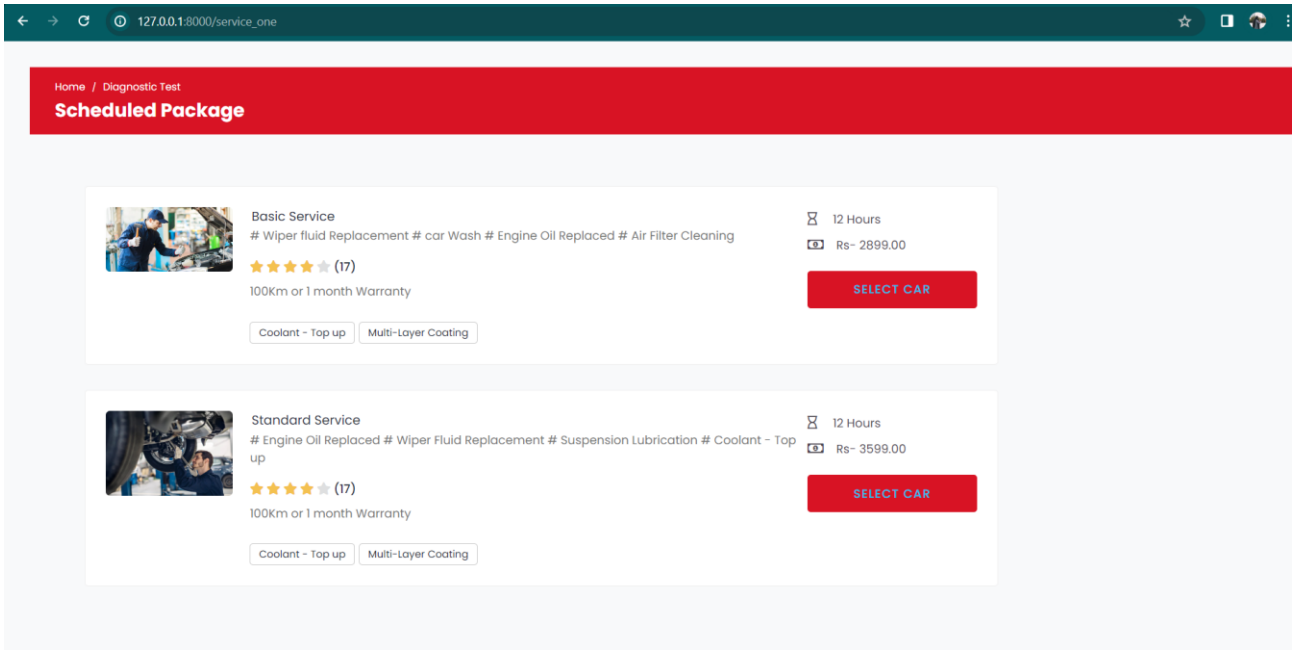
Customer page



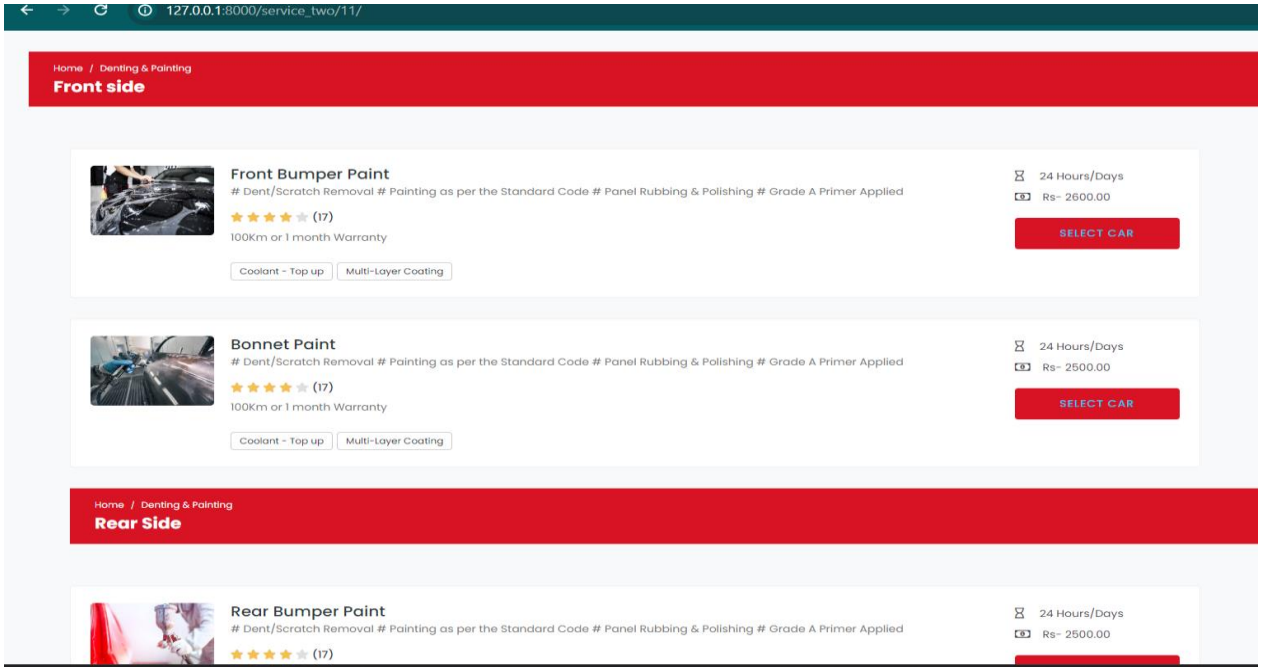
Customer service page



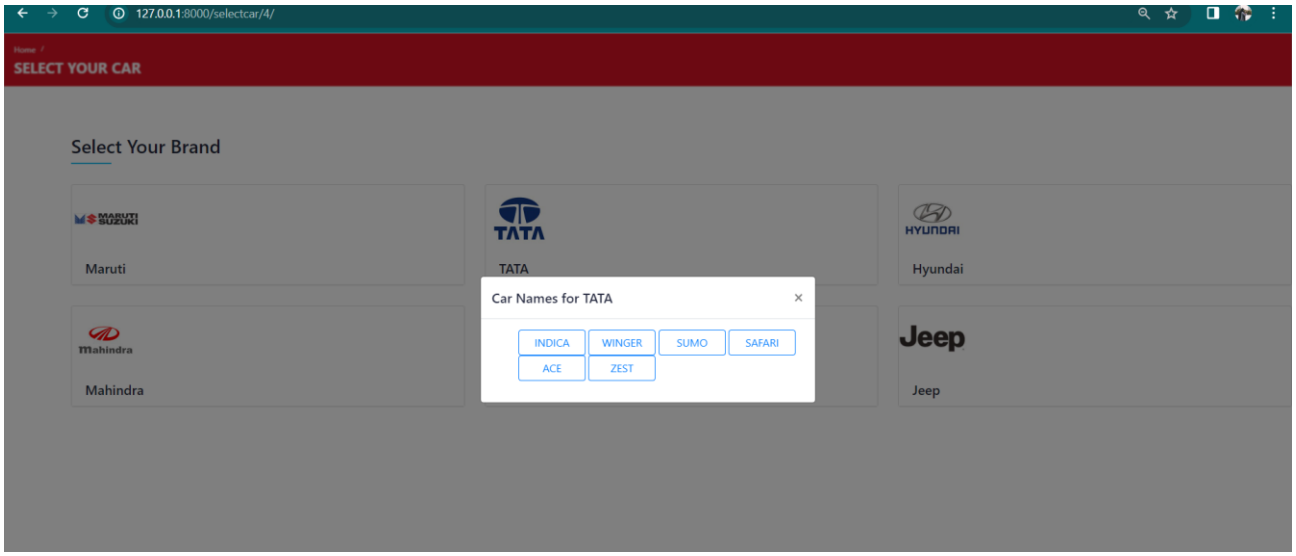
Service page 1



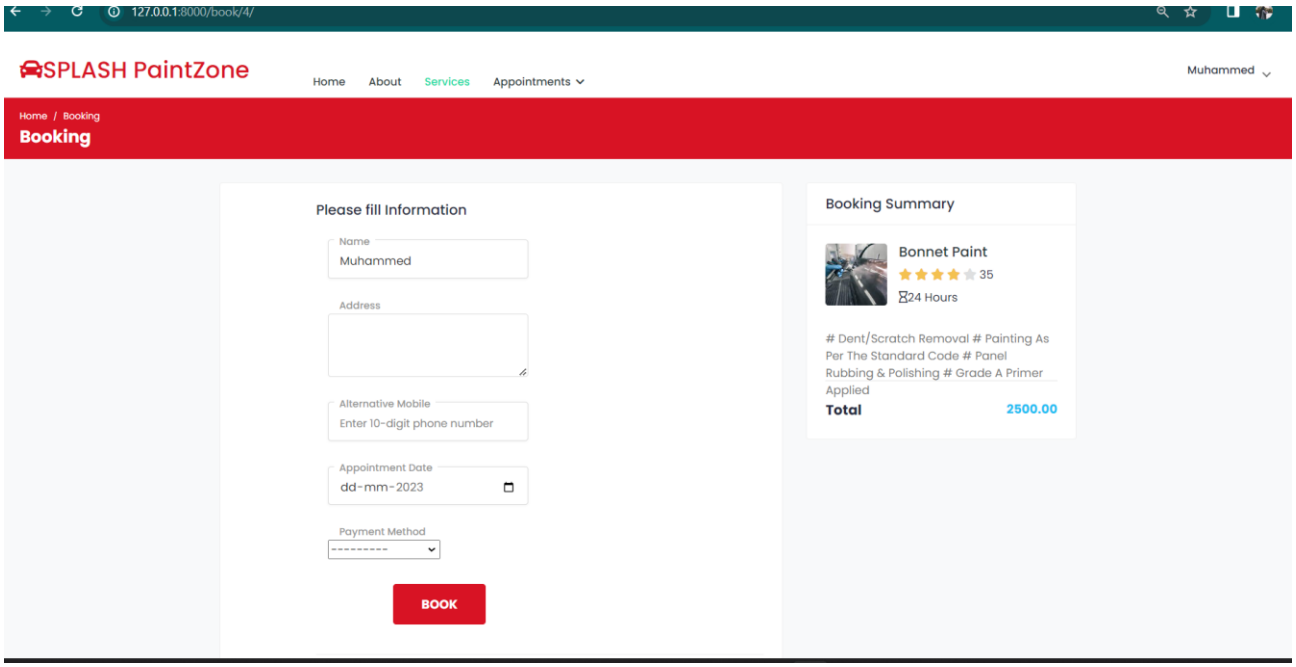
Service page 2



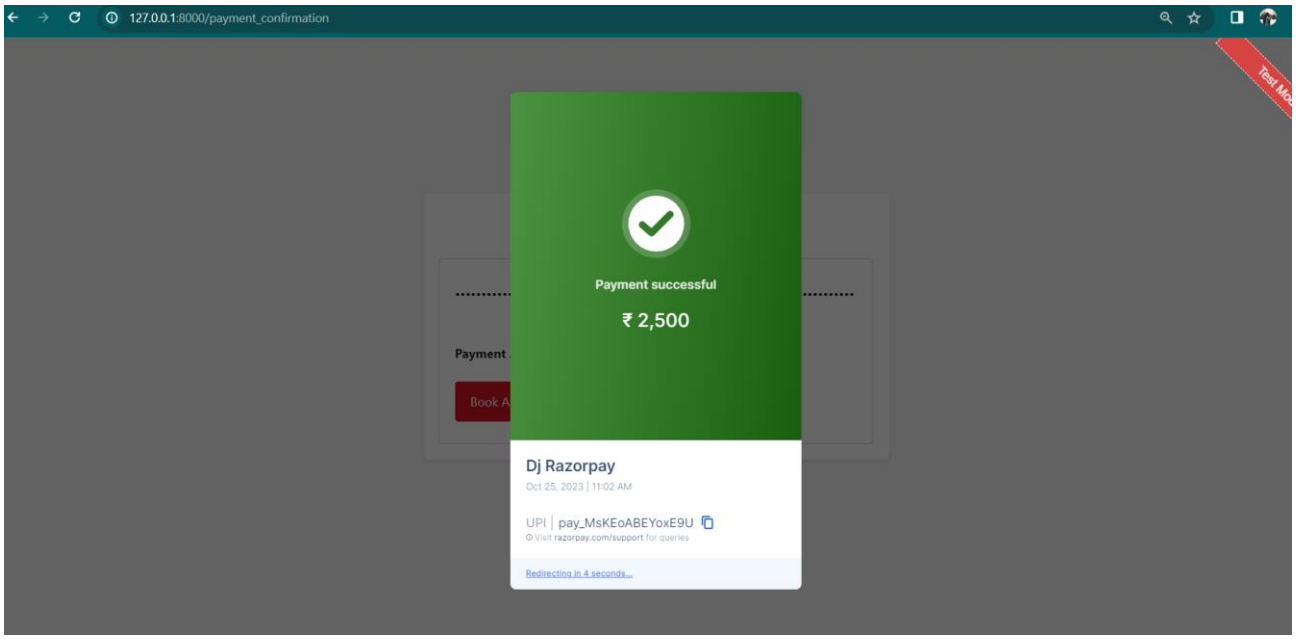
SelectCar



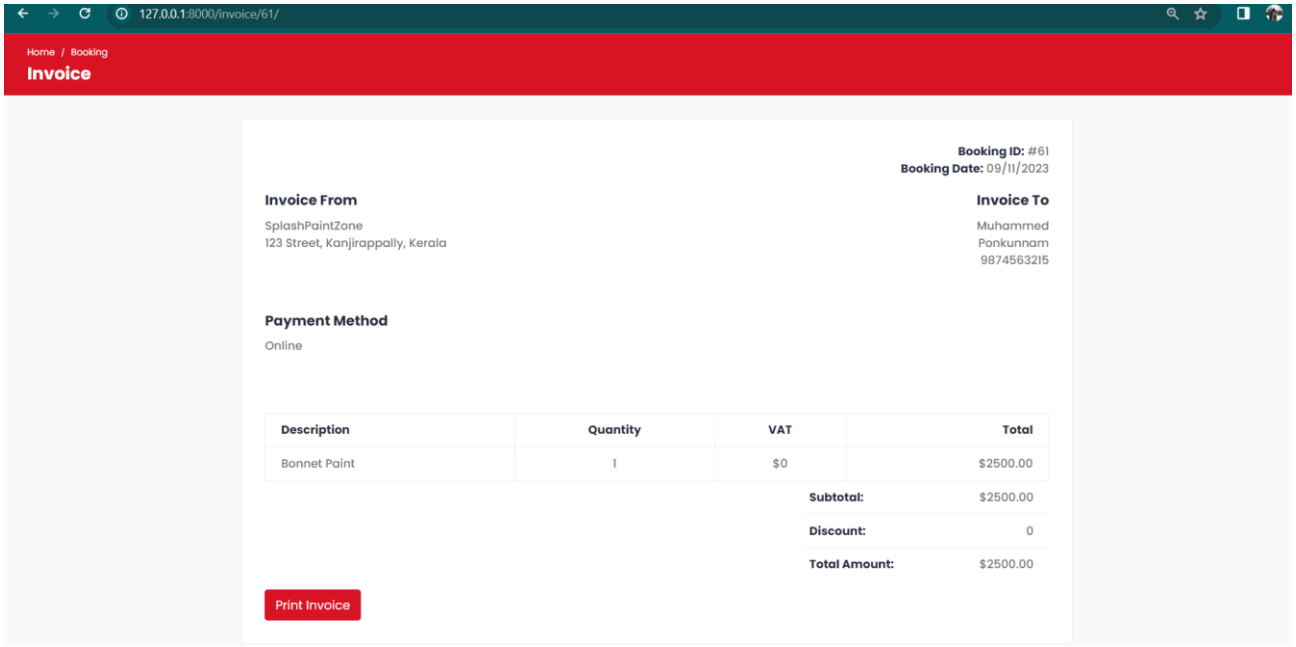
Booking



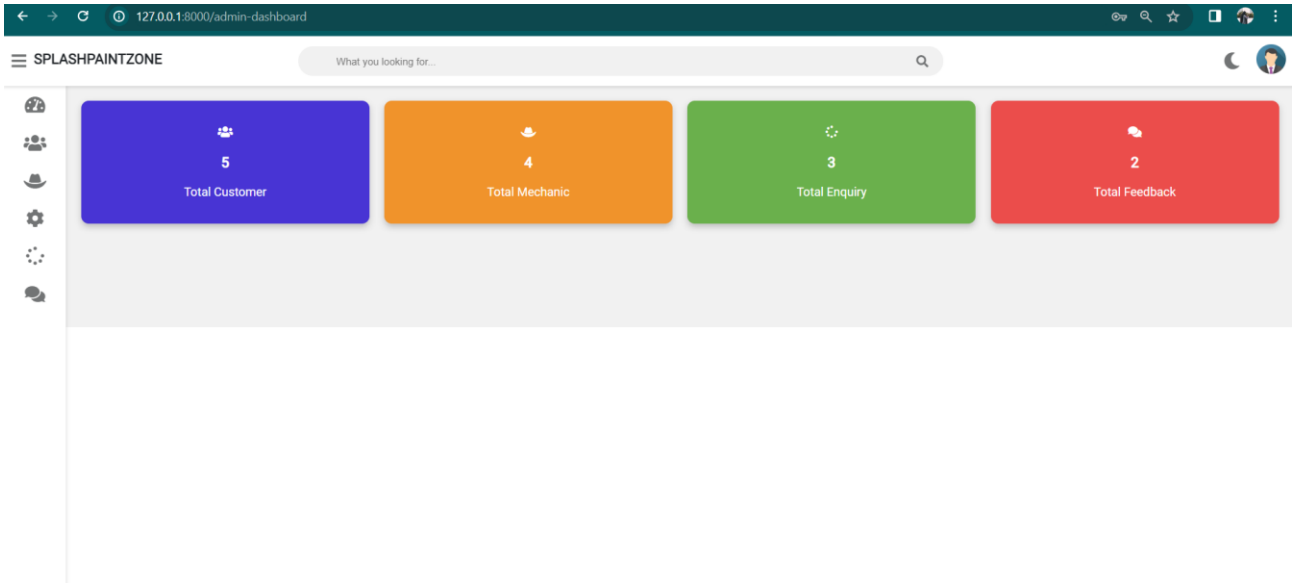
Payment



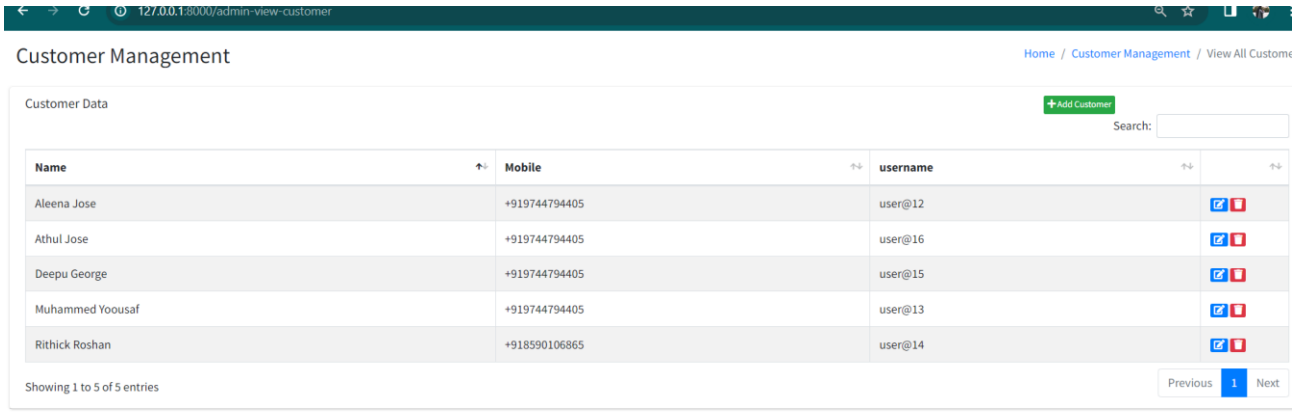
Invoice



Admindashboard



Customer



Subsubcategory