

GARAGE MANAGEMENT SYSTEM

A Mini Project Report

submitted by

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to the APJ Abdul Kalam Technological University
in partial fulfilment of the requirements for the award of the Degree
of
Master of Computer Applications



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Declaration

I undersigned hereby declare that the project report GARAGE MANAGEMENT SYSTEM submitted for partial fulfilment of the requirements for the award of degree of Master of Computer Applications of the APJ Abdul Kalam Technological University, Kerala, is a Bonafide work done by me under supervision of Mr. Hyderali K., HoD , Department of Computer Applications. This submission represents my ideas in my own words and where ideas or words of others have been included, I have adequately and accurately cited and referenced the original sources. I also declare that I have adhered to ethics of academic honesty and integrity and have not misrepresented or fabricated any data or idea or fact or source in my submission. I understand that any violation of the above will be a cause for disciplinary action by the institute and/or the University and can also evoke penal action from the sources which have thus not been properly cited or from whom proper permission has not been obtained. This report has not been previously formed the basis for the award of any degree, diploma or similar title of any other University.

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CERTIFICATE

This is to certify that the report entitled **GARAGE MANAGEMENT SYSTEM** is a bonafide record of the Mini Project work during the year 2025-26 carried out by **ADITHYA DAS M P (MES24MCA-2002)** submitted to the APJ Abdul Kalam Technological University, in partial fulfilment of the requirements for the award of the Master of Computer Applications, under my guidance and supervision. This report in any form has not been submitted to any other University or Institution for any purpose.

Internal Supervisor

Head of The Department

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Abstract

The project Garage Management System (GMS) is a modern web-based application developed to efficiently manage and streamline all operational activities within a garage. It addresses the limitations of traditional garage setups, such as poor data storage, inefficient workforce distribution, and lack of real-time tracking. The system includes multiple user roles—Admin, Manager, Supervisor, Mechanic, Security, and Customer—each granted specific access privileges based on their responsibilities.

The Supervisor can monitor spare parts inventory, track vehicles under service, and identify those requiring maintenance notifications. The system also records mechanic working hours, supports payment processing for completed services, and maintains a detailed record of spare parts sold. These features ensure improved transparency, accountability, and efficiency in day-to-day operations.

Developed using HTML, CSS, JavaScript, PHP, and MySQL Server, the Garage Management System offers a user-friendly interface and ensures secure, organized data handling. It minimizes manual errors, enhances coordination among employees, and provides real-time insights into garage performance.

By automating and centralizing garage operations, this project enhances service quality, reduces administrative workload, and improves overall customer satisfaction. The Garage Management System thus provides a reliable, scalable, and efficient digital solution for modernizing garage management.

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Chapter 1. Introduction

The rapid advancement of digital technologies and web-based applications has transformed service industries, including the automobile sector. Traditional garage operations often rely on manual processes, paper records, and verbal communication, which result in inefficiency, data loss, and poor coordination. To overcome these challenges, the Garage Management System (GMS) is developed as a centralized, web-based solution for managing all garage activities efficiently.

The system automates major functions such as vehicle service tracking, spare parts inventory management, mechanic work-hour monitoring, service notifications, and payment processing. It provides role-based access for Admin, Manager, Supervisor, Mechanic, Security, and Customer, ensuring each user can perform tasks relevant to their responsibilities. This structured approach improves workflow, transparency, and accountability across all levels of operation.

By integrating all essential modules into one platform, the GMS enhances operational accuracy and enables real-time access to information. Supervisors can monitor ongoing jobs and inventory, Managers can analyze performance, and Customers receive timely updates about their vehicles.

The project is developed using HTML, CSS, JavaScript, PHP, and MySQL, offering a secure, interactive, and user-friendly environment. While HTML and CSS ensure an intuitive interface, JavaScript improves interactivity, PHP manages backend logic, and MySQL handles data storage and retrieval.

In conclusion, the Garage Management System addresses the drawbacks of traditional methods by introducing automation, structured data management, and improved service coordination. It minimizes manual effort, reduces errors, optimizes resources, and enhances customer satisfaction — creating a modern, efficient, and transparent garage management experience.

1.1 Motivation

In many traditional garages, operations such as service tracking, inventory management, and mechanic scheduling are handled manually. This often leads to problems like misplaced records, miscommunication among staff, and delays in vehicle servicing. The absence of a centralized system results in inefficiency, customer dissatisfaction, and difficulty in monitoring overall performance. Managing multiple tasks manually also increases the chances of human error, making it challenging to maintain accuracy and consistency in daily activities.

The motivation behind developing the Garage Management System (GMS) is to overcome these issues by introducing a structured, digital platform that streamlines all garage operations. Through this system, users can efficiently manage vehicle services, monitor mechanic work hours, track spare parts inventory, and handle payments in a transparent manner. It enables supervisors and managers to have better control over operations, helping them make informed decisions while improving productivity and accountability within the garage.

By implementing GMS, garages can reduce dependency on paper-based records and move toward an automated environment that saves time and effort. The system aims to enhance customer satisfaction by ensuring faster, more reliable service and creating a well-organized workflow. Overall, the project is motivated by the need to bring modernization, accuracy, and efficiency to the garage management process through the use of web-based technology.

1.2 Objectives

The main problem this mini project focuses on is the lack of automation and organization in traditional garage operations, which results in poor data management, inefficient workforce allocation, and lack of real-time tracking. Manual methods make it difficult for garages to monitor vehicles under service, track mechanic working hours, maintain spare parts inventory, and ensure timely customer updates. These limitations reduce productivity, increase errors, and lead to customer dissatisfaction.

The hypothesis of this project is that by developing an independent Garage Management System (GMS) using web technologies such as HTML, CSS, JavaScript, PHP, and MySQL Server, garages can efficiently manage their operations through a centralized digital platform. This system will allow managers, supervisors, and mechanics to coordinate tasks effectively, maintain transparency in operations, and provide better service to customers through automation and real-time updates.

The objectives of the project can be summarized as follows:

1. To design and develop a web-based platform that automates and manages all activities in a garage, including vehicle service tracking, spare parts management, and employee monitoring.
2. To provide role-based access for Admin, Manager, Supervisor, Mechanic, Security, and Customer to ensure secure and efficient workflow management.
3. To maintain real-time records of vehicles under service, spare parts inventory, and service history for easy tracking and reporting.
4. To enable the Supervisor to monitor mechanic working hours and manage notifications for vehicles that require maintenance.
5. To implement an efficient payment module for processing repair and service transactions securely.
6. To reduce manual errors and improve coordination among different users within the garage.
7. To enhance customer satisfaction by providing timely updates and ensuring transparency in service operations.

1.3 Contributions

System Automation – Automates all major garage operations such as vehicle service tracking, mechanic work-hour recording, spare parts inventory management, and payment processing, thereby reducing manual effort and human errors.

Role-Based Access Control – Provides specific access privileges for Admin, Manager, Supervisor, Mechanic, Security, and Customer to ensure secure and efficient workflow management.

Spare Parts Inventory Management – Allows supervisors to monitor stock levels, track parts sold, and manage inventory efficiently, preventing shortages and ensuring timely availability.

Vehicle Service Tracking – Enables real-time tracking of vehicles under maintenance, along with details of services performed, estimated completion time, and mechanic assignments.

Mechanic Performance Monitoring – Records working hours and assigned tasks for each mechanic to improve accountability and workforce utilization.

Payment Processing System – Supports secure and reliable payment management for completed repair and maintenance services, ensuring transparent transactions.

Customer Satisfaction and Transparency – Enhances customer experience by providing real-time updates, service reminders, and clear billing details, leading to better service quality and trust.

1.4 Report Organization

The project report is organized into five chapters:

Chapter 1: Introduction – Provides the background, motivation, objectives, contributions, and organization of the report.

Chapter 2: System Study – Describes the existing garage system, its limitations, and the requirements of the proposed Garage Management System along with its functionalities.

Chapter 3: Methodology – Explains the methodology used for implementation, including system design, architecture, software tools, and detailed descriptions of each module.

Chapter 4: Results and Discussions – Presents the implementation results, screenshots of the developed system, and a discussion of the outcomes with respect to the project objectives.

Chapter 5: Conclusion and Future Work – Summarizes the overall contributions, highlights the benefits of the developed system, and suggests possible directions for future enhancements.

Chapter 2. System Study

The project under consideration, Garage Management System (GMS), focuses on creating a digital solution to manage and streamline the daily operations of a garage. The system is designed to simplify service management, spare parts tracking, employee coordination, and customer communication within a single platform. It provides an efficient way to record, monitor, and control all garage-related activities, thereby reducing manual work and improving overall productivity.

Developed using HTML, CSS, JavaScript, PHP, and MySQL Server, the system offers a secure and user-friendly environment for different roles such as Admin, Manager, Supervisor, Mechanic, Security, and Customer. Each role has specific access and responsibilities, ensuring organized workflow and data transparency. The project aims to enhance service efficiency, eliminate human errors, and ensure accurate record management, making garage operations faster, more reliable, and technology-driven.

2.1 Existing System

In the existing system, most garage operations are carried out manually, which leads to inefficiency and frequent errors. The details of vehicle services, spare parts used, mechanic assignments, and payments are usually recorded in registers or spreadsheets. This manual process often causes data duplication, misplacement of records, and difficulty in tracking the service history of vehicles. Communication between customers and garage staff is limited, resulting in delays in service updates and lack of transparency. Moreover, managing spare parts inventory becomes challenging, leading to either stock shortages or overstocking. The absence of a centralized system also makes it difficult for managers to monitor employee performance and

maintain accurate financial records. Overall, the traditional approach consumes more time, requires more manpower, and lacks reliability and real-time tracking.

2.2 Proposed System

The proposed Garage Management System (GMS) aims to automate and streamline all the major operations of a garage in a centralized digital platform. It provides a secure login system for different roles such as Admin, Manager, Supervisor, Mechanic, Security, and Customer, ensuring that each user has access only to relevant features. The system maintains detailed records of vehicle services, spare parts, customer details, and payments, thereby improving accuracy and reducing manual effort. It allows real-time service tracking, automatic billing, and digital report generation for better decision-making. The GMS also includes an efficient inventory management module that monitors spare parts stock levels and provides timely alerts for restocking..

2.3 Functionalities of Proposed System

1. **User Authentication** : Allows secure login and access based on user roles such as Admin, Manager, Supervisor, Mechanic, Security, and Customer.
2. **Admin Panel** : Enables the Admin to manage users, assign roles, and control access to different modules.
3. **Manager Dashboard** : Provides an overview of garage operations, employee activities, and financial summaries.
4. **Supervisor Module** : Allows supervisors to monitor ongoing vehicle services, manage spare parts inventory, and track mechanic performance.
5. **Mechanic Module** : Displays assigned service tasks, records working hours, and updates job completion status.
6. **Customer Module** : Enables customers to view vehicle service details, receive notifications, and make secure online payments.
7. **Inventory Management** – Tracks availability, purchase, and sale of spare parts with automatic stock updates.

Chapter 3. Methodology

Developing a web-based application like the Garage Management System (GMS) requires the use of an effective software development methodology to ensure timely completion, high quality, and fulfillment of project requirements. A well-defined methodology provides a structured approach to planning, designing, developing, and testing the system. Since the GMS involves multiple user roles, real-time service updates, and continuous management of garage operations, the Agile methodology was adopted for its development

3.1 Introduction

The Agile methodology is an iterative and incremental approach to software development. Unlike traditional models, Agile focuses on flexibility, adaptability, and continuous collaboration between developers and end-users. The development process is divided into short cycles called sprints, where each sprint results in a working and testable part of the system.

This approach is well-suited for the Garage Management System, as it involves multiple modules like user management, vehicle service tracking, inventory management, and payment processing, which may require frequent updates based on user feedback. Agile allows developers to make quick modifications, incorporate new requirements efficiently, and ensure that the system aligns with user expectations. Regular testing and review at each stage help improve software quality, minimize errors, and ensure faster delivery of usable features.

3.2 Software Tools

The following software tools and technologies were used to develop the Garage Management System (see Table 3.1), For example,

Table 0.1: List the software tools or languages used for the project development

Operating System	Windows /Linux
Front End	HTML, CSS,JAVASCRIPT
Back End	PHP
Database	MySQL Server
IDE	Visual Studio Code
Version Control	Git

Front End(HTML,CSS,JAVASCRIPT)

HTML, CSS, and JavaScript were chosen for the front end because they provide a foundational, standards-based framework for building web applications. HTML structures the content, CSS styles the interface, and JavaScript adds interactivity, enabling dynamic and responsive user experiences. Their combined use ensures flexibility, ease of maintenance, and compatibility across browsers.

Back End(PHP)

PHP is a server-side scripting language used to develop dynamic web applications. It processes data on the server, interacts with databases like MySQL, and generates HTML content sent to the browser. PHP is widely used for tasks such as user authentication, form handling, and content management, making web applications interactive and data-driven.

Database(MySQL)

MySQL is used as the database management system for storing and organizing all project data. It securely stores information such as user details, appointments, spare parts, and transaction records. MySQL was chosen for its reliability, scalability, and compatibility with PHP, ensuring smooth data retrieval and high system performance

IDE(Visual Studio Code)

Visual Studio Code was chosen as the development environment for its wide range of extensions, debugging features, and seamless integration with Git and JavaScript frameworks.

Version Control (Git & GitHub)

Git and GitHub were used for version control, enabling collaborative development, version tracking, and backup of the project source code.

3.2.1 HTML,CSS,JAVASCRIPT

- **HTML (HyperText Markup Language) :** was used to design the structural foundation of the Garage Management System. It defines the layout and content of each web page, including text, images, forms, and links. Since the system involves multiple modules such as login, dashboard, and service records, HTML provides a clear and organized structure that ensures smooth navigation and easy accessibility across all user roles.
- **CSS (Cascading Style Sheets) :** was used to enhance the appearance and presentation of the web pages created using HTML. It controls the layout, colors, fonts, and spacing to ensure a consistent and visually appealing user interface. In the Garage Management System, CSS helps maintain a professional design and responsive layout, making the platform accessible across different devices and screen sizes.
- **JavaScript :** In the Garage Management System, JavaScript is used to make the web application interactive, dynamic, and user-friendly. It enables real-time updates, allowing customers to track vehicle service status, supervisors to monitor inventory, and

mechanics to update job progress without reloading the page. JavaScript handles form validation, ensuring that user inputs such as registration details, service bookings, and payments are accurate before submission. It also supports interactive UI elements like dropdowns, modals, date pickers, and notifications, enhancing the overall user experience. Additionally, JavaScript works alongside PHP and MySQL to fetch, insert, and update data asynchronously, reducing server load and improving performance.

3.2.2 PHP

PHP was chosen as the backend programming language for developing the Garage Management System due to its strong compatibility with web technologies and databases. It efficiently handles server-side operations such as user authentication, session management, and dynamic content generation. PHP interacts seamlessly with the MySQL database to store and retrieve information related to users, services, and payments. Its ability to embed directly within HTML makes it easier to design interactive and data-driven web pages. The language's open-source nature, wide community support, and simple syntax make development faster and maintenance easier. Overall, PHP ensures secure, reliable, and efficient backend functionality for managing all garage operations smoothly.

3.2.3 MySQL

MySQL was selected as the database for the Garage Management System because it is a relational database management system (RDBMS) that stores data in structured tables with predefined schemas. This structure is ideal for managing organized datasets such as users, vehicles, appointments, spare parts, and payments. MySQL ensures data integrity through relationships, primary and foreign keys, and supports complex queries for tracking services, managing inventory, and generating reports. It also provides high reliability, secure transactions, and scalability, making it suitable for web-based applications where consistent and structured data storage is crucial.

3.3 Module Description

A software system is often divided into smaller manageable components called modules. Each module is designed to handle a specific part of the overall system functionality. This modular approach improves maintainability, scalability, and clarity of the system. By separating responsibilities, modules allow developers to work on different parts of the application independently. This also makes debugging, testing, and future enhancements more efficient and systematic.

The Garage Management System is designed for various user groups, each having specific roles and access levels. The users and their characteristics are as follows:

Manager: Monitors overall garage operations and generates reports. Requires familiarity with service workflows and basic digital skills.

Supervisor: Manages inventory, service scheduling, and staff assignments. Requires knowledge of garage operations and basic computer use.

Mechanic: Updates service status and logs work hours. Minimal training required in how to login and update service records.

Customer: Can book services, view service status, and make payments. Interface designed to be user-friendly; no training required for basic usage.

3.3.1 User Module

The User Module manages all customer-side interactions, providing a seamless garage service experience. Customers can securely register and log in with their credentials, ensuring safe access to the system. Once authenticated, customers can book vehicle services, view the status of their vehicles, and track service progress in real-time. The module also supports payment processing for completed services, providing a secure and reliable method for bill settlement. Additionally, customers can view service history, receive notifications for upcoming maintenance, and communicate with garage staff through a simple messaging interface. The module is designed to be user-friendly, allowing customers to easily navigate the system, schedule appointments, and

make payments without requiring any prior training. This module enhances transparency, improves customer satisfaction, and ensures timely service delivery

3.3.2 Supervisor Module

The Supervisor Module is designed to streamline garage operations and staff management. Supervisors can assign jobs to mechanics, monitor the progress of ongoing services, and view assigned jobs for each mechanic. The module allows supervisors to track inventory of spare parts, ensuring availability for repairs and notifying management when stock is low. Supervisors can also generate service schedules, manage staff assignments, and monitor mechanic work hours, ensuring efficient workflow and proper task distribution. With its organized dashboard, supervisors can make informed decisions, reduce delays, and maintain smooth operations across the garage. The interface is intuitive, requiring only basic knowledge of garage operations and computer usage.

3.3.3 Mechanic Module

The Mechanic Module enables mechanics to efficiently manage their assigned tasks and record work details. Mechanics can view assigned jobs, request spare parts when needed, and update the status of each job as it progresses. The module also allows mechanics to log their working hours, providing supervisors and managers with accurate performance data. Designed for ease of use, the interface requires minimal training, focusing on quick updates and task completion. By centralizing work tracking and job updates, this module ensures accountability, improves communication with supervisors, and helps maintain timely service delivery.

3.3.4 Manager Module

The Manager Module focuses on overall garage oversight and administrative operations. Managers can view and update customer information, track vehicle service status, and manage the inventory of spare parts, including adding new stock or updating existing quantities. The module also allows managers to generate reports on garage performance, such as completed services, revenue generated, and spare parts usage. Additionally, managers can create and

manage bills for services rendered, ensuring accurate financial tracking. The dashboard provides real-time updates and analytical insights, enabling managers to make data-driven decisions, optimize workflows, and enhance overall efficiency.

3.4 User Story

A user story represents a short, simple description of a feature told from the perspective of the end user. For example, in the Garage Management System, a typical user story could be: “As a customer, I want to book vehicle service appointments so that I can get my vehicle serviced conveniently,” or “As a manager, I want to generate reports and manage staff so that I can oversee garage operations efficiently.” These user stories help define the needs of both customers and administrators, guiding the development process in an Agile methodology by focusing on real-world user requirements and expected outcomes.

Table 3.2: User Story

User Story ID	As a type of User	I want to	So that i can
1	USER	Register	Create an account and access garage services.
		Book a service for my vehicle	Schedule my vehicle service online.
		Login	Securely access my account with correct credentials.

		Track my vehicle's service status.	Monitor the progress of repairs in real-time.
		Receive notifications for upcoming maintenance.	Stay informed about scheduled services and vehicle health.
		Make payments for services.	Settle bills securely and efficiently.
		View my service history.	Keep track of past maintenance and repairs for my vehicle.
2	MECHANIC	View assigned jobs	Understand my daily tasks and priorities
		Request spare parts for a job	Ensure I have the necessary components to complete repairs.

		Update the status of a job	Inform supervisors and customers about progress.
		Log my working hours	Accurately record my time spent on tasks.
3	SUPERVISOR	Track inventory of spare parts	Ensure parts are available and manage stock levels.
		Monitor the progress of ongoing services	Ensure timely completion and identify bottlenecks
		Generate service schedules	Plan and organize future maintenance and repair tasks.
		Assign jobs to mechanics	Distribute workload efficiently among the team.
		Monitor mechanic work hours	Track team performance and manage labor costs.
4	MANAGER	View and update customer information	Maintain accurate customer records and service history.

		Manage spare parts inventory	Add new stock, update quantities, and oversee parts sales.
		Create and manage bills for services	Ensure accurate financial tracking and customer invoicing.
		Generate reports on garage performance	Gain insights into service completion, revenue, and parts usage.

3.5 Product Backlog

The product backlog is a comprehensive and prioritized list of all the features, functionalities, enhancements, and technical requirements that need to be developed in the Garage Management System. It serves as the central reference point for the development team throughout the project lifecycle. Each item in the backlog represents a specific feature or task that contributes to the overall functionality of the system.

The product backlog helps in planning, managing, and tracking the progress of the project by breaking down the system into smaller, manageable components. It is continuously updated and refined based on feedback, changing requirements, and business priorities. The backlog ensures that the most valuable and high-priority features are developed first to deliver maximum benefit to users.

Table 3.3: Product Backlog

ID	NAME	PRIORITY	ESTIMATE (Hours)	STATUS
1	User Registration/Lo gin	High	8	COMPLETED
2	Service Booking & Scheduling	High	12	COMPLETED
3	Vehicle Status Tracking (Customer)	High	10	COMPLETED
4	Job Assignment (Supervisor to Mechanic)	High	8	COMPLETED
5	Inventory Management (Parts Tracking)	High	15	COMPLETED

6	Mechanic Work Hour Tracking	Medium	7	COMPLETED
7	Payment Processing Integration	High	10	COMPLETED
8	Report Generation (Manager)	Medium	9	COMPLETED
9	Service History & Notifications (Customer)	Medium	16	COMPLETED

3.6 Project Plan

The project plan outlines the roadmap for developing the Garage Management System by breaking down the work into phases and sprints using the Agile methodology. It defines the timeline, tasks, and deliverables such as user registration and login, role-based access control, job assignment, spare parts management, vehicle service tracking, bill generation, and report management features . Each sprint focuses on completing a set of prioritized functionalities from the product backlog, ensuring incremental progress, continuous testing, and efficient development of the system

Table 3.4:Project plan

User StoryID	Task Name	Start Date	End Date	Hours	Status
1	Sprint 1	06/08/2025	15/08/2025	20	Completed
1		11/08/2025	15/08/2025		Completed
1	Sprint 2	26/08/2025	01/09/2025	32	Completed
3		02/09/2025	06/09/2025		Completed
3		07/09/2025	10/09/2025		Completed
1		07/09/2025	10/09/2025		Completed
3	Sprint 3	15/09/2025	22/09/2025	34	Completed
1		23/09/2025	28/09/2025		Completed
4		29/09/2025	03/10/2025		Completed

3.7 Sprint Backlog

The sprint backlog is a subset of the product backlog that lists the specific tasks and features planned to be completed within each sprint cycle. For the Garage Management System, the sprint backlog includes deliverables such as user registration and login, role-based access control, job assignment to mechanics, spare parts management, vehicle service tracking, bill generation, report viewing, and customer service monitoring. It provides a clear, short-term development plan, ensuring that each sprint produces a working increment of the system while keeping progress measurable and focused .

Table 3.5: Sprint Backlog

Backlog tem	Completion Date	Original Estimation in Hours	Day 1 hrs	Day 2 hrs	Day 3 hrs	Day 4 hrs	Day 5 hrs	Day 6 hrs	Day 7 hrs	Day 8 hrs	Day 9 hrs	Day 10 hrs
SPRINT 1												
User Registration/Login (All Roles)	10/08/2025	8	2	2	2	2	0	0	0	0	0	0
Service Booking & Scheduling	15/08/2025	4	1	1	1	1	2	3	3	2	2	0

Report Generation (Manager)	03/10/2025	9	0	0	0	0	0	0	0	0	0	0
Payment Processing Integration	28/09/2025	10	0	0	0	0	0	0	0	0	2	2
Total		86	6	6	6	6	5	7	7	5	6	5

3.8 Database Design

The database design defines how data is structured, stored, and related within the Garage Management System. Using MySQL, the system is organized into tables such as users, vehicles, appointments, spare parts, payments, and work hours, each designed to manage specific operations. For example, the users table stores details of all user roles, appointments manage service records and job assignments, while spare parts track inventory and sales. The design ensures data consistency, security, and efficient retrieval, supporting core features like service scheduling, inventory management, payment processing, and performance tracking within the garage.

Table 0.6: Database Design

Collections	Attributes	Purpose
Roles	<ul style="list-style-type: none"> • id (PK) • name 	Stores user roles like customer, supervisor, mechanic, manager.
Users	<ul style="list-style-type: none"> • id (PK) • name • email • password • role_id(FK) • is_active • created_at • updated_at 	Stores login and user details.
Customers	<ul style="list-style-type: none"> • id(PK) • user_id(FK) • phone • address 	Stores customer profile details
Vehicles	<ul style="list-style-type: none"> • id (PK) • customer_id(FK) • vin • licensePlate • make • model • year • created_at 	Stores vehicle information of customers.
Service_type	<ul style="list-style-type: none"> • id(PK) • name • default_rate • est_duration 	Stores available garage services.

Collections	Attributes	Purpose
Appointments	<ul style="list-style-type: none"> • id(PK) • customer_id(FK) • vehicle_id(FK) • service_type_id(FK) • preferred_date • status • created_at 	Stores service booking appointments
Work_orders	<ul style="list-style-type: none"> • id(PK) • appointment_id(FK) • supervisor_id(FK) • mechanic_id(FK) • status • started_at • completed_at • notes 	Track job assigned to mechanics
Work_orders_status_history	<ul style="list-style-type: none"> • id(PK) • work_order_id(FK) • status • changed_by(FK) • changed_at 	Maintain history of status changes for work orders.
Parts	<ul style="list-style-type: none"> • id(PK) • sku • name • stock_qty • reorder_level • cost_price • sale_price 	Stores spare parts inventory

Collections	Attributes	Purpose
Spare_part_requests	<ul style="list-style-type: none"> • id(PK) • work_order_id(FK) • mechanic_id(FK) • part_id(FK) • qty • status • manager_id(FK) • approved_id created_at 	Request for spare parts by mechanics.
Stock_movements	<ul style="list-style-type: none"> • id(PK) • part_id(FK) • delta_qty • reason • reference_id • created_by created_at 	Track movements for parts inventory.
invoices	<ul style="list-style-type: none"> • id(PK) • work_order_id(FK) • number • subtotal • tax • discount • total • status issued_at 	Stores invoice records for billing
Invoice_items	<ul style="list-style-type: none"> • id(PK) • invoice_id(FK) • type • reference_id • description • qty unit_price 	Stores line items in invoices

Collections	Attributes	purpose
payments	<ul style="list-style-type: none"> • id(PK) • invoice_id(FK) • method • amount • paid_at • txn_ref 	Stores customer payments for invoices.
Notifications	<ul style="list-style-type: none"> • id(PK) • user_id(FK) • type • payload • read_at • created_at 	Stores system notifications for users
Audit_logs	<ul style="list-style-type: none"> • id(PK) • entity_type • entity_id • action • actor_id • before_json • after_json • created_at 	Track system actions for auditing

Chapter 4. Results And Discussion

This chapter presents the outcomes of implementing the Garage Management System (GMS) and discusses how the developed modules fulfill the objectives defined in the earlier chapters. The results include the successful implementation of all key modules—Admin, Manager, Supervisor, Mechanic, and Customer—covering functionalities such as user registration and login, service booking, job assignment, inventory management, mechanic work tracking, payment processing, and report generation. Screenshots of the working system are provided to illustrate the main operations, including service scheduling, spare parts management, and billing functionalities.

The discussion section highlights how these results address the limitations of traditional garage operations, which often suffer from poor data organization, inefficient communication, and lack of transparency. The developed system provides a centralized, digital platform that enables smooth coordination between staff, accurate record-keeping, and real-time updates on services. It also improves workflow efficiency, service quality, and customer satisfaction through automation and data-driven insights. Overall, this chapter demonstrates that the project objectives were successfully achieved and that the Garage Management System serves as a practical and efficient solution for modernizing garage operations.

4.1 Results

This section presents the core working interfaces of the Garage Management System, demonstrating how each implemented module functions in real-world scenarios. The results are illustrated through screenshots of major forms and dashboards such as login and registration pages, service booking forms, job assignment dashboards, inventory management panels,

payment pages, and report generation screens. Each figure is properly labeled and accompanied by a brief explanation describing its purpose and role within the system. These results confirm that the proposed system meets its intended goals by providing an organized, user-friendly, and efficient platform for managing all garage activities and improving overall operational performance.

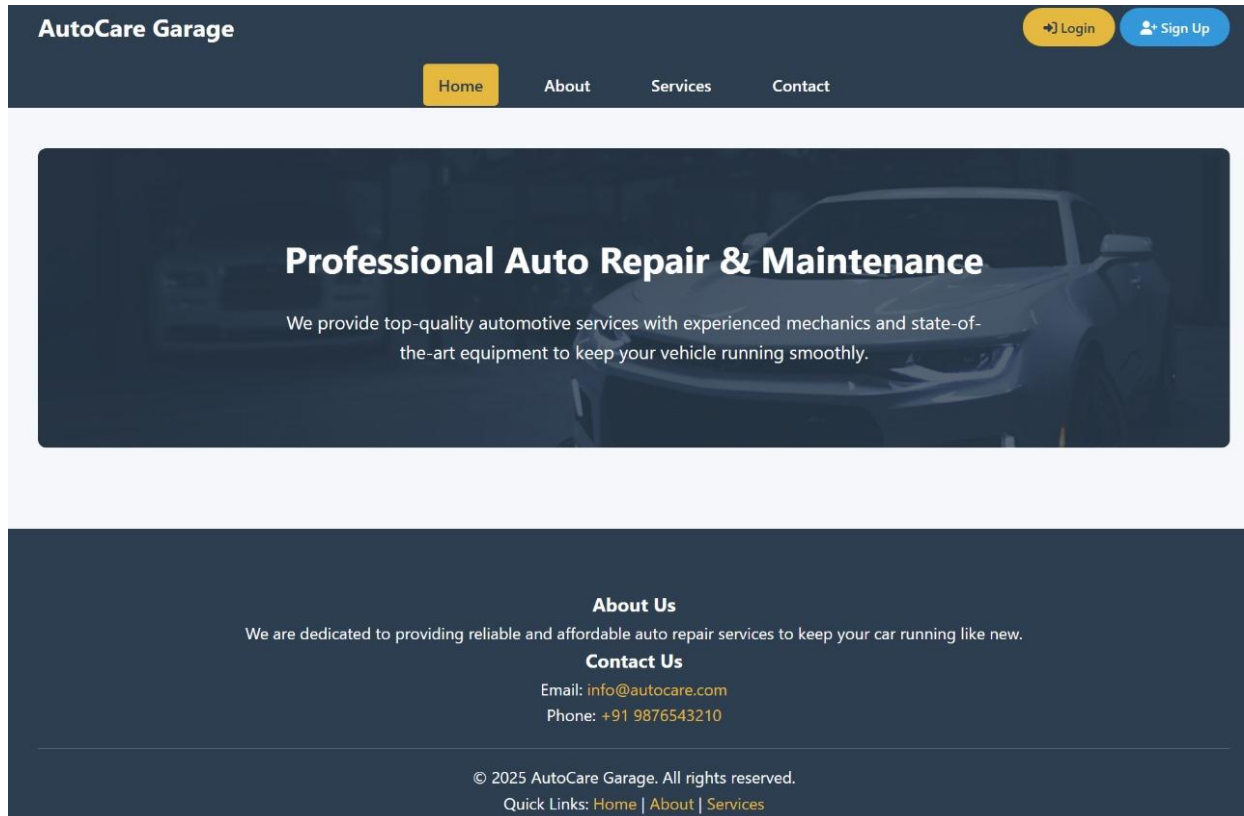
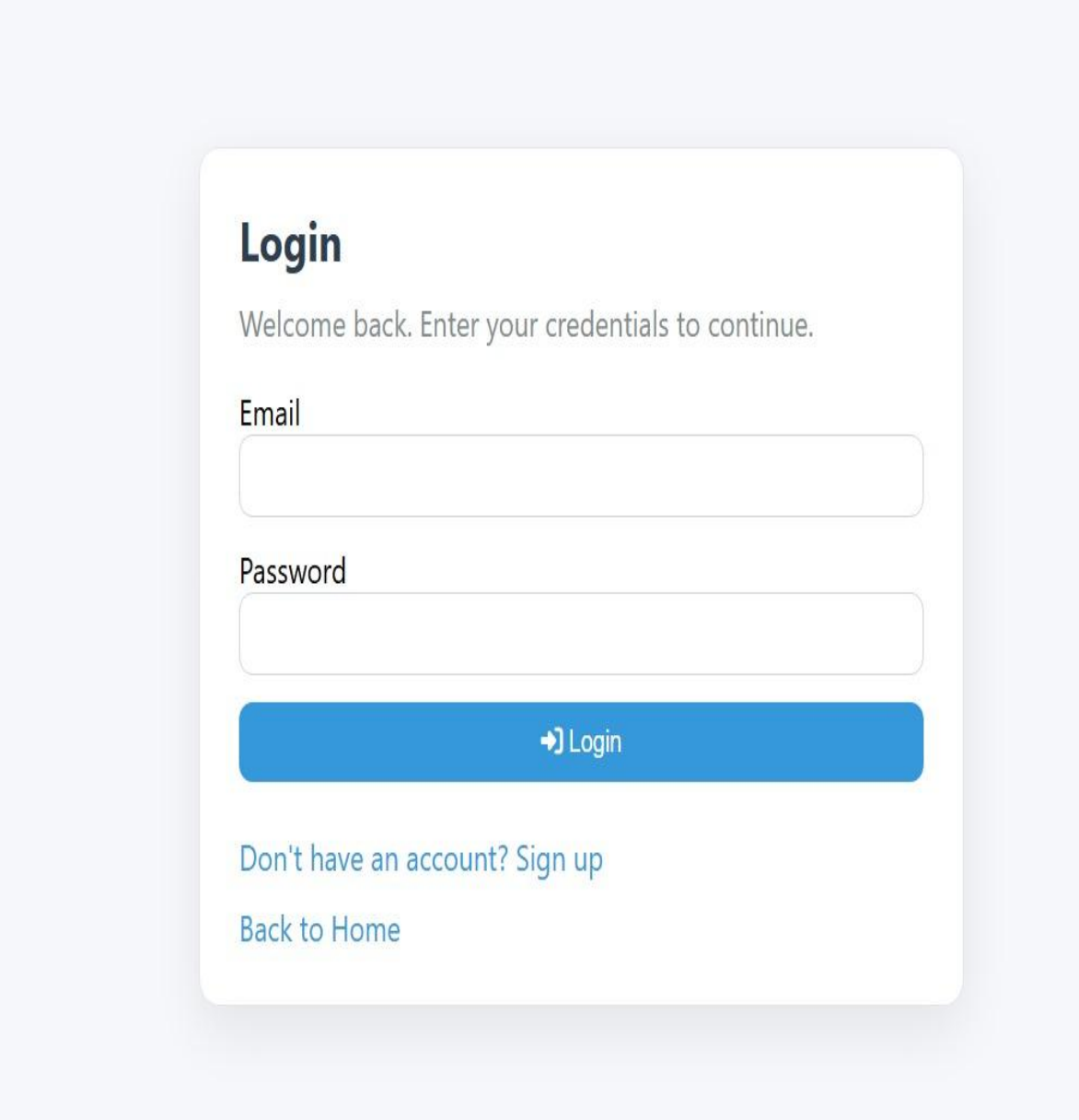


Figure 4.1: Index Page

Figure 4.1 displays the AutoCare Garage Management System's homepage ,showcasing professionals auto repair and maintenance services. if features navigation ,user authentication options, and contact information for an intuitive user experience.

A login form centered on a light blue background. The form is a white rounded rectangle. At the top, the word "Login" is in bold black font. Below it is a grey message: "Welcome back. Enter your credentials to continue." There are two input fields: "Email" and "Password", both with light grey borders. Below the password field is a blue button with a white right-pointing arrow and the text "Login". At the bottom of the form are two links in blue text: "Don't have an account? Sign up" and "Back to Home".

Login

Welcome back. Enter your credentials to continue.

Email

Password

➔ Login

[Don't have an account? Sign up](#)

[Back to Home](#)

Figure 4.2: Login Page

Figure 4.2 shows the Login Page, where users can enter their email and password credentials to access the system. It includes fields for email and password input, a “Login” button, and navigation links for signing up for a new account or returning back to the home page.

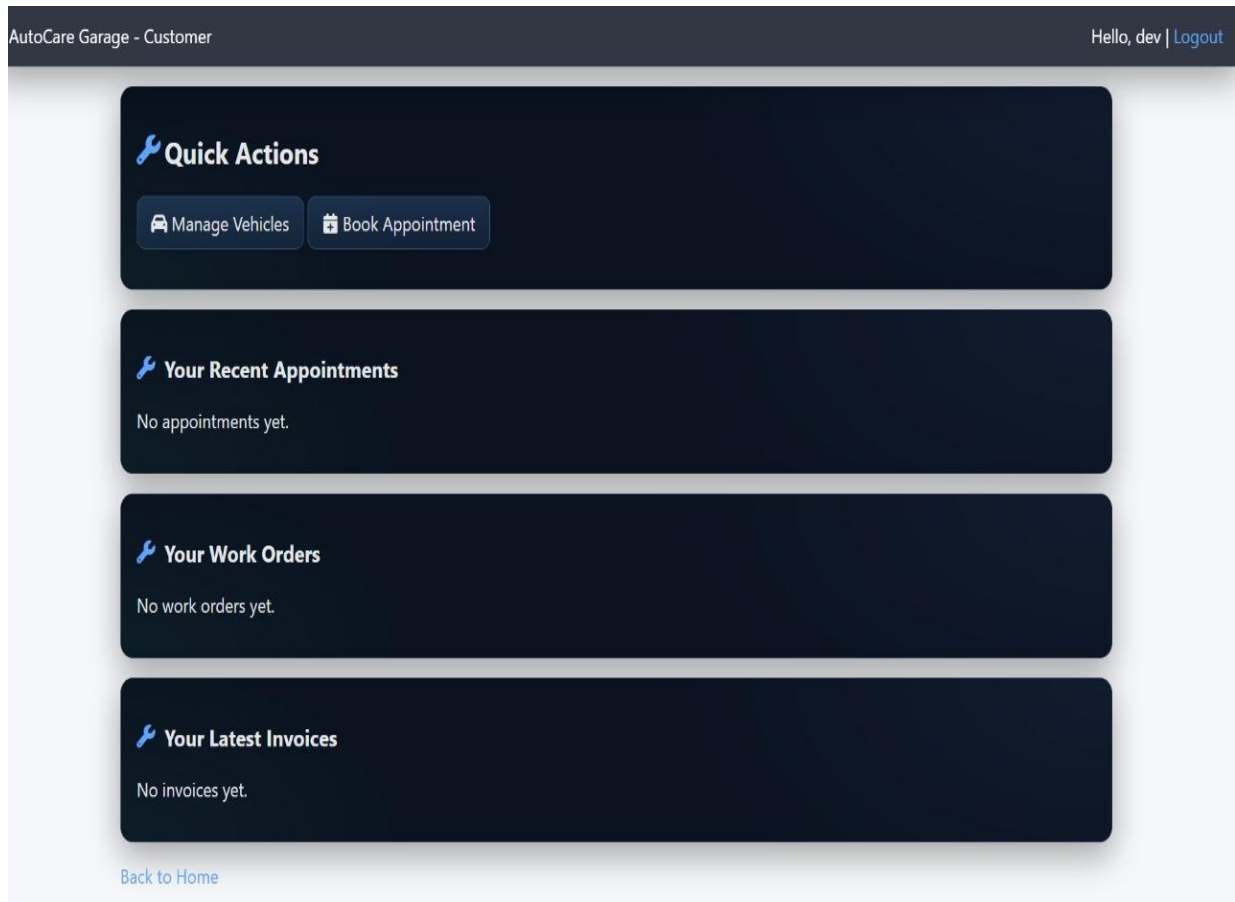


Figure 4.3: Customer Dashboard

Figure 4.3 displays a customer dashboard for an "AutoCare Garage" system, providing quick access to actions and summaries of recent activities. It organizes information into sections like "Quick Actions," "Recent Appointments," "Work Orders," and "Latest Invoices" for easy navigation and overview.

Chapter 5. Conclusion

The Garage Management System (GMS) was developed to automate and simplify the daily operations of a garage by providing a centralized, digital platform for managing services, staff, inventory, and customer interactions. It replaces traditional manual methods with an organized, user-friendly, and efficient system that enhances coordination and productivity.

The results demonstrate that the Garage Management System meets its intended objectives by improving operational efficiency, data organization, and communication across all roles. It ensures faster service delivery, accurate record-keeping, and enhanced customer satisfaction. By centralizing data and automating workflows, the system helps garage owners make informed decisions and maintain a transparent service environment.

However, the system also has certain limitations. Currently, it functions primarily as a web-based platform and lacks a mobile application for on-the-go access. Integrating SMS or push notifications for service updates and expanding payment options could further enhance usability. Future enhancements may also include real-time GPS-based vehicle tracking, automated service reminders, and analytics dashboards to monitor performance trends.

Overall, the Garage Management System serves as a practical, scalable, and reliable solution for modernizing garage operations. It bridges the gap between customers and service providers by ensuring organized management, real-time updates, and smooth workflow, ultimately contributing to a more efficient and customer-focused automotive service environment.

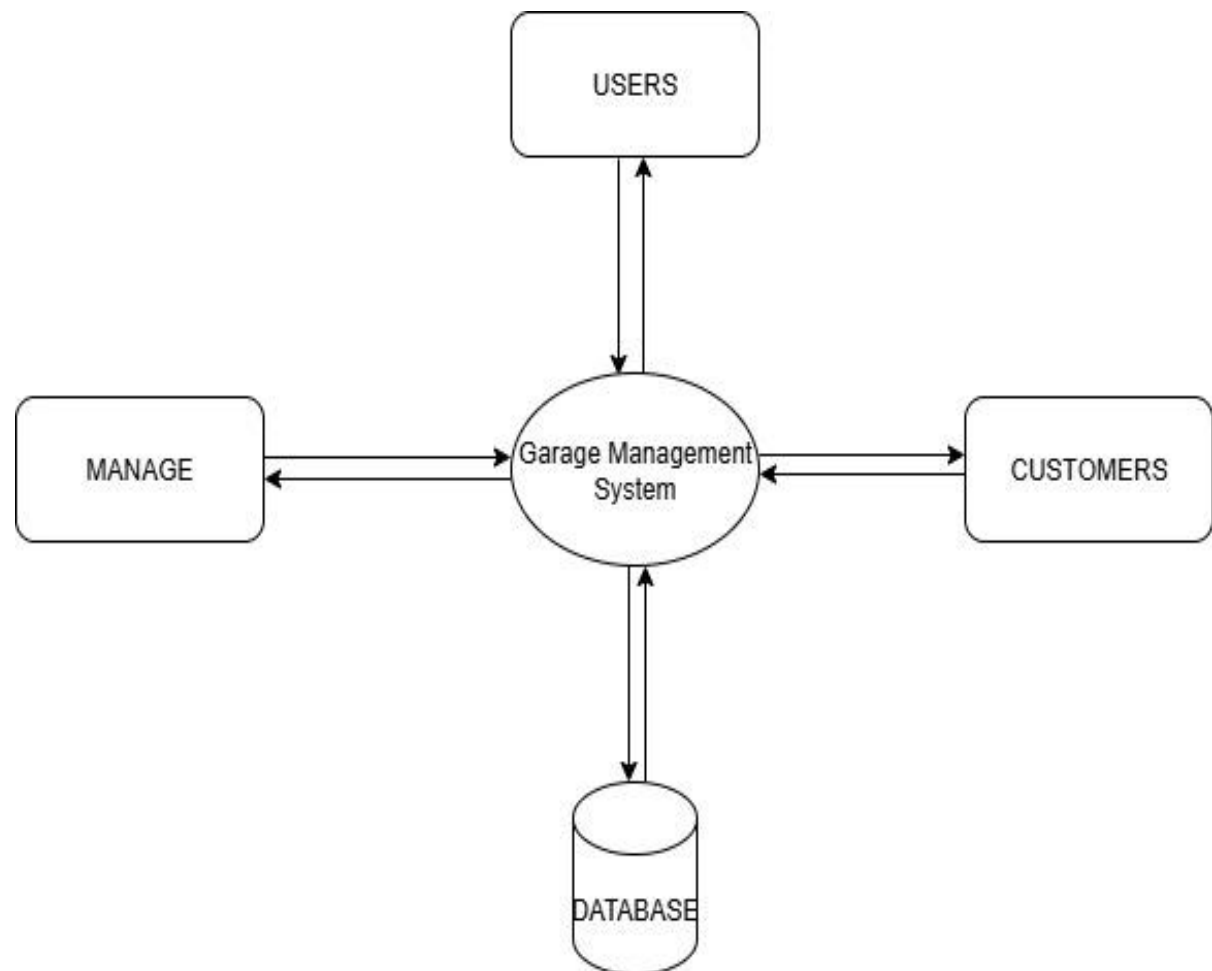
References

- [1] S. Sharma and R. Gupta, "Garage Management System - Software Engineering Project Report," Lovely Professional University, [Online]. Available: <https://www.lpu.in/>
. [Accessed 20 October 2024].
- [2] M. Qassem, Thesis, Dissertation and Article Writing, 2014.
- [3] S. Vinz., "Figure and Table Lists | Word Instructions, Template & Examples," Scribbr, 13 October 2015. [Online]. Available: <https://www.scribbr.com/dissertation/figure-and-table-lists-in-your-dissertation/>
. [Accessed 19 October 2024].
- [4] TechVidvan, "Garage Management System Project using PHP and MySQL," [Online]. Available: <https://techvidvan.com/tutorials/garage-management-system-project/>
. [Accessed 21 October 2024].

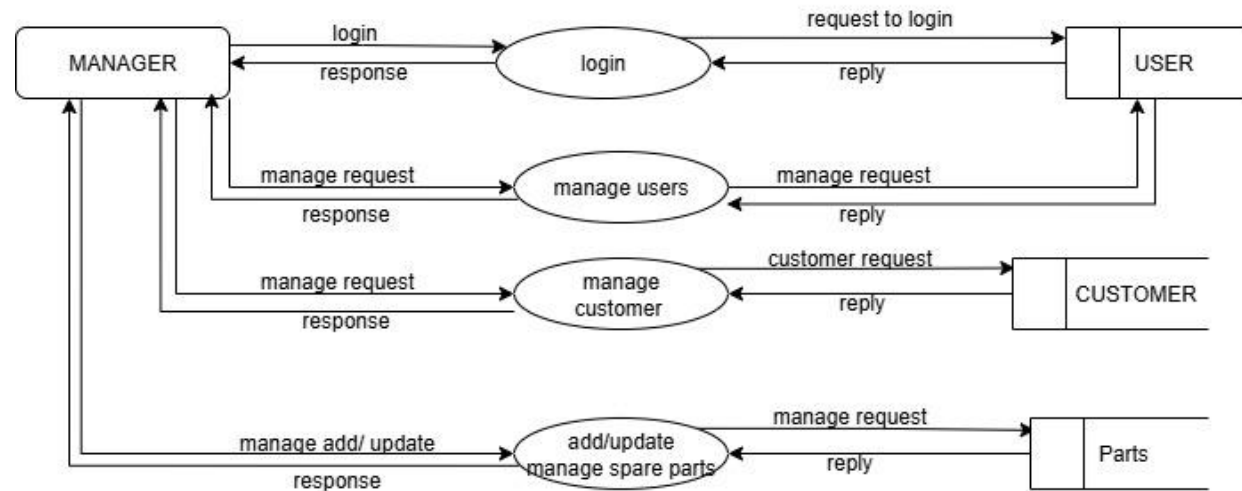
Appendix

Appendix A Data Flow Diagram

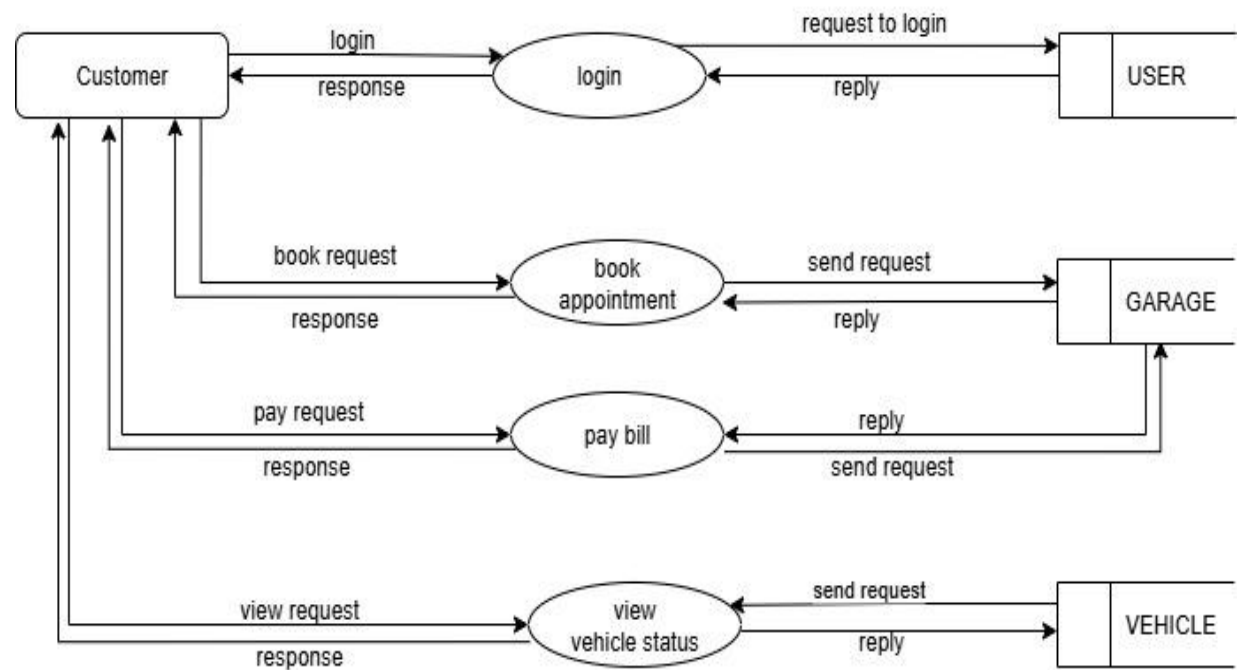
DFD level 0

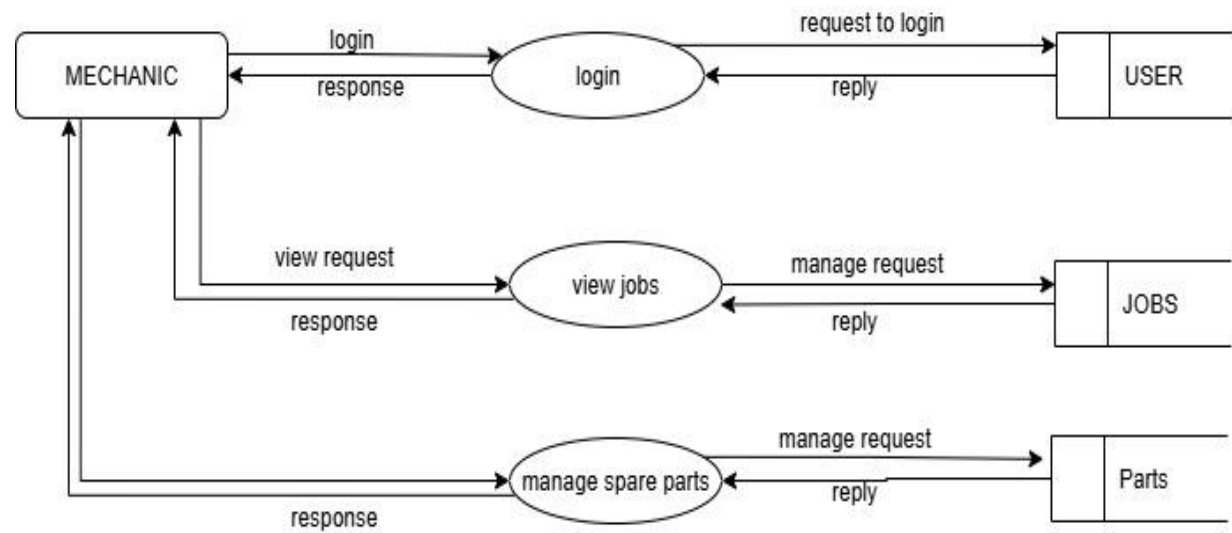
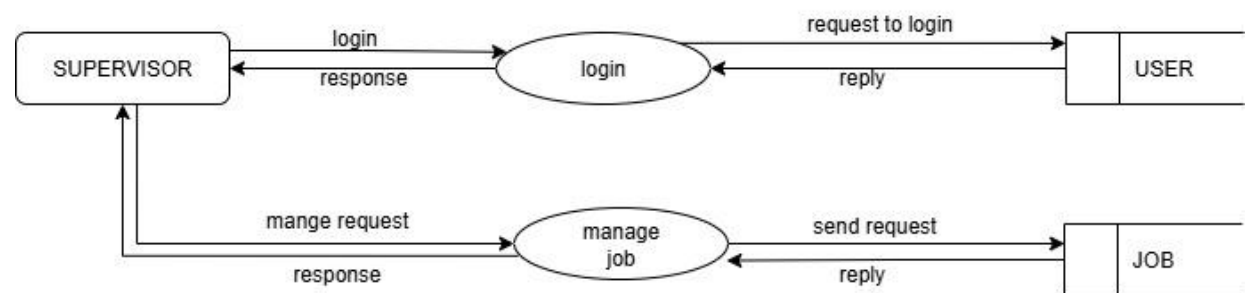


DFD level 1

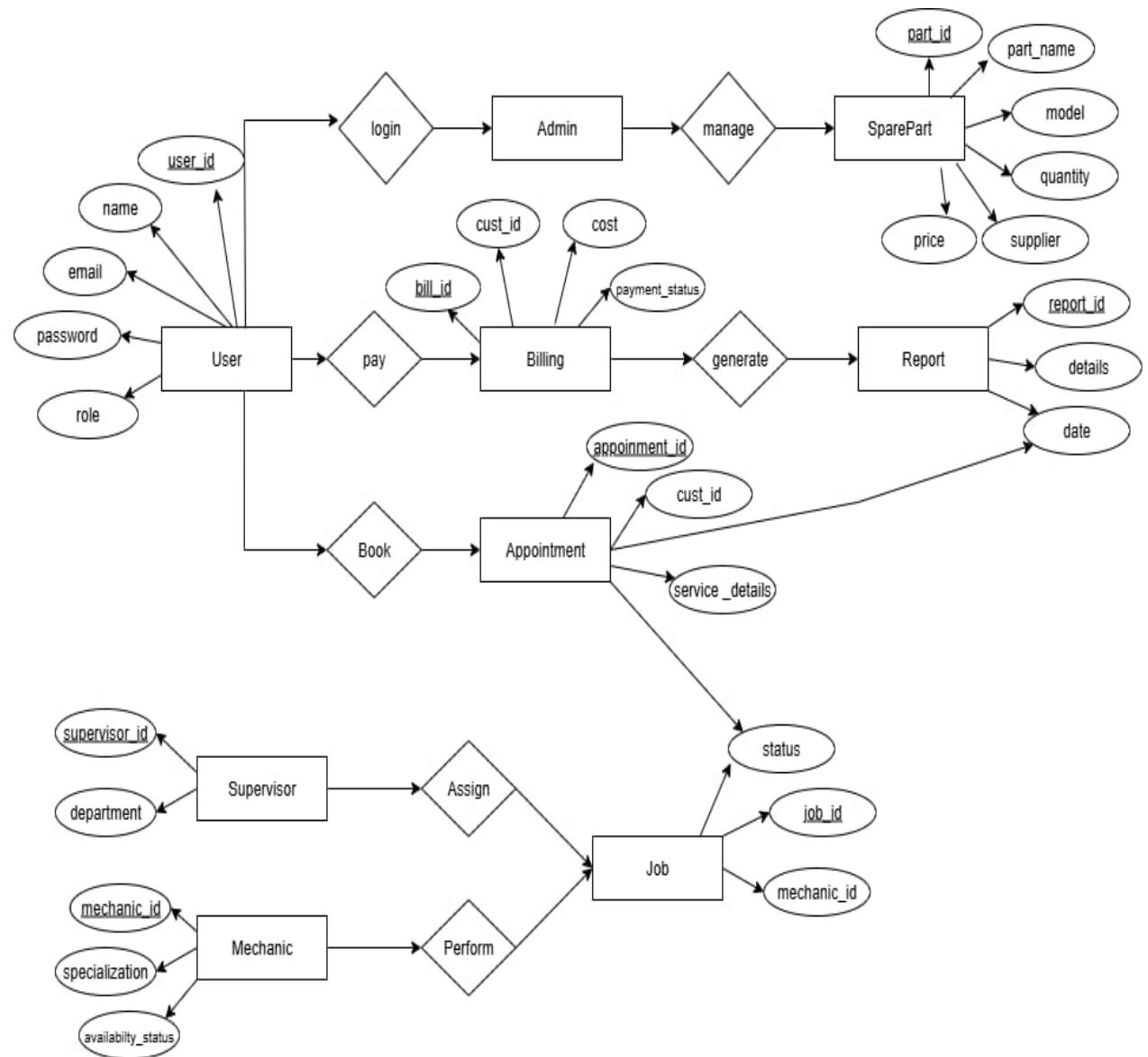


DFD level 2



DFD level 3**DFD level 4**

Appendix B ER Diagram



Appendix C Source Code

Index.php

```
<?php

session_start();

require_once __DIR__ . '/db_connect.php'; // Database connection

?>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>AutoCare Garage</title>

<link                rel="stylesheet"                href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/6.4.0/css/all.min.css">

<style>

* { margin: 0; padding: 0; box-sizing: border-box; font-family: 'Segoe UI', Tahoma, Geneva,
Verdana, sans-serif; }
```

```
:root { --primary: #2c3e50; --secondary: #e5b840; --accent: #3498db; --dark: #2c3e50; --gray: #7f8c8d; }

body { background-color: #f5f7fa; color: #333; line-height: 1.6; display: flex; flex-direction: column; min-height: 100vh; }

.container { width: 100%; max-width: 1200px; margin: 0 auto; padding: 0 15px; }

/* Header */

header { background-color: var(--primary); color: white; padding: 15px 0; box-shadow: 0 2px 10px rgba(0,0,0,0.1); }

.header-content { display: flex; justify-content: space-between; align-items: center; gap: 10px; }

.header-title { font-size: 24px; font-weight: 700; }

.btn { padding: 10px 20px; border-radius: 30px; border: none; cursor: pointer; font-weight: 600; transition: all 0.3s ease; }

.btn-login { background-color: var(--secondary); color: var(--dark); }

.btn-signup { background-color: var(--accent); color: white; }

.btn:hover { opacity: 0.9; transform: translateY(-2px); }

/* Navigation */

nav { background-color: var(--dark); padding: 10px 0; }

.nav-menu { display: flex; list-style: none; justify-content: center; }

.nav-menu li { margin: 0 15px; }

.nav-menu a { color: white; text-decoration: none; font-weight: 500; padding: 10px 15px; border-radius: 4px; transition: all 0.3s ease; }
```



```

.nav-menu a:hover, .nav-menu a.active { background-color: var(--secondary); color: var(--dark);
}

/* Pages */

main { flex: 1; padding: 40px 0; }

.page { display: none; }

.page.active { display: block; }

/* Hero */

.hero {

    background: linear-gradient(rgba(44,62,80,0.8), rgba(44,62,80,0.8)),

                                url('https://images.unsplash.com/photo-1492144534655-
ae79c964c9d7?auto=format&fit=crop&w=1200&q=80');

    background-size: cover; background-position: center; color: white; text-align: center;

    padding: 80px 20px; margin-bottom: 40px; border-radius: 8px;

}

.hero h2 { font-size: 36px; margin-bottom: 20px; }

.hero p { font-size: 18px; max-width: 700px; margin: 0 auto; }

/* Services */

.services { padding: 60px 0; }

.section-title { text-align: center; margin-bottom: 40px; color: var(--dark); position: relative; }

.section-title:after { content: ""; display: block; width: 80px; height: 4px; background: var(--
secondary); margin: 15px auto; }

```

```

.services-grid { display: grid; grid-template-columns: repeat(auto-fit, minmax(300px, 1fr)); gap:
30px; }

.service-card { background: white; border-radius: 8px; overflow: hidden; box-shadow: 0 5px
15px rgba(0,0,0,0.1); transition: transform 0.3s ease; display: flex; flex-direction: column; }

.service-card:hover { transform: translateY(-10px); }

.service-img { height: 200px; overflow: hidden; }

.service-img img { width: 100%; height: 100%; object-fit: cover; transition: transform 0.5s ease;
}

.service-card:hover .service-img img { transform: scale(1.1); }

.service-content { padding: 20px; flex-grow: 1; display: flex; flex-direction: column; justify-
content: space-between; }

.service-content h3 { color: var(--dark); margin-bottom: 15px; font-size: 20px; }

.service-content p { color: var(--gray); margin-bottom: 15px; }

/* About */

.about-section { padding: 40px 0; text-align: center; }

.about-section h2 { font-size: 32px; margin-bottom: 20px; }

.about-section p { font-size: 18px; max-width: 800px; margin: 0 auto; color: var(--dark); }

/* Footer */

footer { background-color: var(--dark); color: white; padding: 60px 0 20px; margin-top: auto; }

footer a { color: var(--secondary); text-decoration: none; }

footer a:hover { text-decoration: underline; }

footer .footer-stack { text-align:center; margin-bottom:20px; }

```

```

footer .copyright { text-align:center; border-top:1px solid rgba(255,255,255,0.2); padding-
top:15px; }

```

```

/* Responsive */

```

```

@media (max-width:768px) {

```

```

    .nav-menu { flex-direction: column; align-items: center; }

```

```

    .nav-menu li { margin: 5px 0; }

```

```

    .hero h2 { font-size: 28px; }

```

```

    .hero p { font-size: 16px; }

```

```

}

```

```

</style>

```

```

</head>

```

```

<body>

```

```

<!-- Header -->

```

```

<header>

```

```

    <div class="container">

```

```

        <div class="header-content">

```

```

            <div class="header-title">AutoCare Garage</div>

```

```

            <div>

```

```

                <?php if (!empty($_SESSION['user'])): ?>

```

```

                    <span style="color:#fff;margin-right:10px;">Welcome, <?=
htmlspecialchars($_SESSION['user']['name']) ?></span>

```

```

<?php if (($_SESSION['user']['role'] ?? "") === 'customer'): ?>

<button class="btn btn-login" onclick="window.location.href='customer/dashboard.php'">

    <i class="fas fa-gauge"></i> Dashboard

</button>

<?php elseif (($_SESSION['user']['role'] ?? "") === 'supervisor'): ?>

<button class="btn btn-login" onclick="window.location.href='supervisor/dashboard.php'">

    <i class="fas fa-gauge"></i> Supervisor

</button>

<?php elseif (($_SESSION['user']['role'] ?? "") === 'mechanic'): ?>

<button class="btn btn-login" onclick="window.location.href='mechanic/dashboard.php'">

    <i class="fas fa-gauge"></i> Mechanic

</button>

<?php elseif (($_SESSION['user']['role'] ?? "") === 'manager'): ?>

<button class="btn btn-login" onclick="window.location.href='manager/dashboard.php'">

    <i class="fas fa-gauge"></i> Manager

</button>

<?php endif; ?>

<button class="btn btn-signup" onclick="window.location.href='logout.php'">

    <i class="fas fa-sign-out-alt"></i> Logout

</button>

```

```

<?php else: ?>

    <!-- Login button links to login.php -->

    <button class="btn btn-login" onclick="window.location.href='login.php'">

        <i class="fas fa-sign-in-alt"></i> Login

    </button>

    <!-- Sign Up button links to signup.php -->

    <button class="btn btn-signup" onclick="window.location.href='signup.php'">

        <i class="fas fa-user-plus"></i> Sign Up

    </button>

<?php endif; ?>

</div>

</div>

</div>

</header>

<!-- Navigation -->

<nav>

    <div class="container">

        <ul class="nav-menu">

            <li><a href="#" class="active" onclick="showPage('home-page')">Home</a></li>

            <li><a href="#" onclick="showPage('about-page')">About</a></li>

```

```

        <li><a href="#" onclick="showPage('services-page')">Services</a></li>

        <li><a href="#" onclick="showPage('contact-page')">Contact</a></li>

    </ul>

</div>

</nav>

<!-- Main Content -->

<main>

    <div class="container">

        <!-- Home Page -->

        <div id="home-page" class="page active">

            <section class="hero">

                <h2>Professional Auto Repair & Maintenance</h2>

                <p>We provide top-quality automotive services with experienced mechanics and state-
of-the-art equipment to keep your vehicle running smoothly.</p>

            </section>

        </div>

        <!-- About Page -->

        <div id="about-page" class="page">

            <section class="about-section">

                <h2>About Us</h2>

```

<p>We are dedicated to providing reliable and affordable auto repair services to keep your car running like new.</p>

</section>

</div>

<!-- Services Page -->

<div id="services-page" class="page">

<section class="services">

<h2 class="section-title">Our Services</h2>

<div class="services-grid">

<div class="service-card">

<div class="service-img"></div>

<div class="service-content"><h3>Wheel Alignment</h3><p>Ensure your vehicle drives straight and true with our precision wheel alignment service.</p></div>

</div>

<div class="service-card">

<div class="service-img"></div>

<div class="service-content"><h3>Engine Tune Up</h3><p>Regular engine tune-ups bring power and efficiency back to your car.</p></div>

</div>

<div class="service-card">

```
<div class="service-img"></div>
```

```
<div class="service-content"><h3>Brake Repair</h3><p>Your safety is our
priority. We provide comprehensive brake inspections and repairs.</p></div>
```

```
</div>
```

```
<div class="service-card">
```

```
<div class="service-img"></div>
```

```
<div class="service-content"><h3>Oil Change</h3><p>Keep your engine running
smoothly with our quick and efficient oil change service.</p></div>
```

```
</div>
```

```
<div class="service-card">
```

```
<div class="service-img"></div>
```

```
<div class="service-content"><h3>Tire Replacement</h3><p>High-quality tire
replacement to ensure your safety and comfort on the road.</p></div>
```

```
</div>
```

```
<div class="service-card">
```

```
<div class="service-img"></div>
```

```
<div class="service-content"><h3>Battery Service</h3><p>Reliable battery
inspection, replacement, and maintenance for your vehicle.</p></div>
```

```
</div>
```

```
</div>
```



```
</section>

</div>

<!-- Contact Page -->

<div id="contact-page" class="page">

  <section class="about-section">

    <h2>Contact Us</h2>

    <p>Email: <a href="mailto:info@autocare.com">info@autocare.com</a></p>

    <p>Phone: <a href="tel:+919876543210">+91 9876543210</a></p>

  </section>

</div>

</div>

</main>

<!-- Footer -->

<footer>

  <div class="container">

    <div class="footer-stack">

      <h3>About Us</h3>

      <p>We are dedicated to providing reliable and affordable auto repair services to keep
your car running like new.</p>

      <h3>Contact Us</h3>

      <p>Email: <a href="mailto:info@autocare.com">info@autocare.com</a></p>
```

```

    <p>Phone: <a href="tel:+919876543210">+91 9876543210</a></p>

</div>

<div class="copyright">

    <p>&copy; <?php echo date("Y"); ?> AutoCare Garage. All rights reserved.</p>

    <p>

        Quick Links:

        <a href="#" onclick="showPage('home-page')">Home</a> |

        <a href="#" onclick="showPage('about-page')">About</a> |

        <a href="#" onclick="showPage('services-page')">Services</a>

    </p>

</div>

</div>

</footer>

<script>

function showPage(pageId) {

    document.querySelectorAll('.page').forEach(page => page.classList.remove('active'));

    const page = document.getElementById(pageId);

    if(page) page.classList.add('active');

    // Highlight active nav link

    document.querySelectorAll('.nav-menu a').forEach(link => link.classList.remove('active'));

```

```

        document.querySelector(`.nav-menu a[onclick*="${pageId}"]`).classList.add('active');
    }
</script>
</body>
</html>

```

Manger/reports.php

```

<div class="card">

    <h3>Outstanding Invoices</h3>

    <div class="form-row">

        <a class="btn primary" href="?<?= $baseQuery ?>&export=outstanding">Export
CSV</a>

    </div>

    <table class="table">

        <thead><tr><th>#</th><th>Number</th><th>Status</th><th>Total</th><th>Paid</th>
<th>Due</th></tr></thead>

        <tbody>

            <?php if ($outstanding): foreach ($outstanding as $inv): ?>

                <?php $due = max(0, (float)$inv['total'] - (float)$inv['paid']); ?>

                <tr>

                    <td>#<?= (int)$inv['id'] ?></td>

                    <td><?= htmlspecialchars($inv['number']) ?></td>

```

```

        <td><span class="badge <?= htmlspecialchars($inv['status']) ?>"><?=
htmlspecialchars(ucfirst($inv['status'])) ?></span></td>

```

```

        <td><?= number_format((float)$inv['total'],2) ?></td>

```

```

        <td><?= number_format((float)$inv['paid'],2) ?></td>

```

```

        <td><?= number_format($due,2) ?></td>

```

```

    </tr>

```

```

<?php endforeach; else: ?>

```

```

    <tr><td colspan="6">No outstanding invoices.</td></tr>

```

```

<?php endif; ?>

```

```

</tbody>

```

```

</table>

```

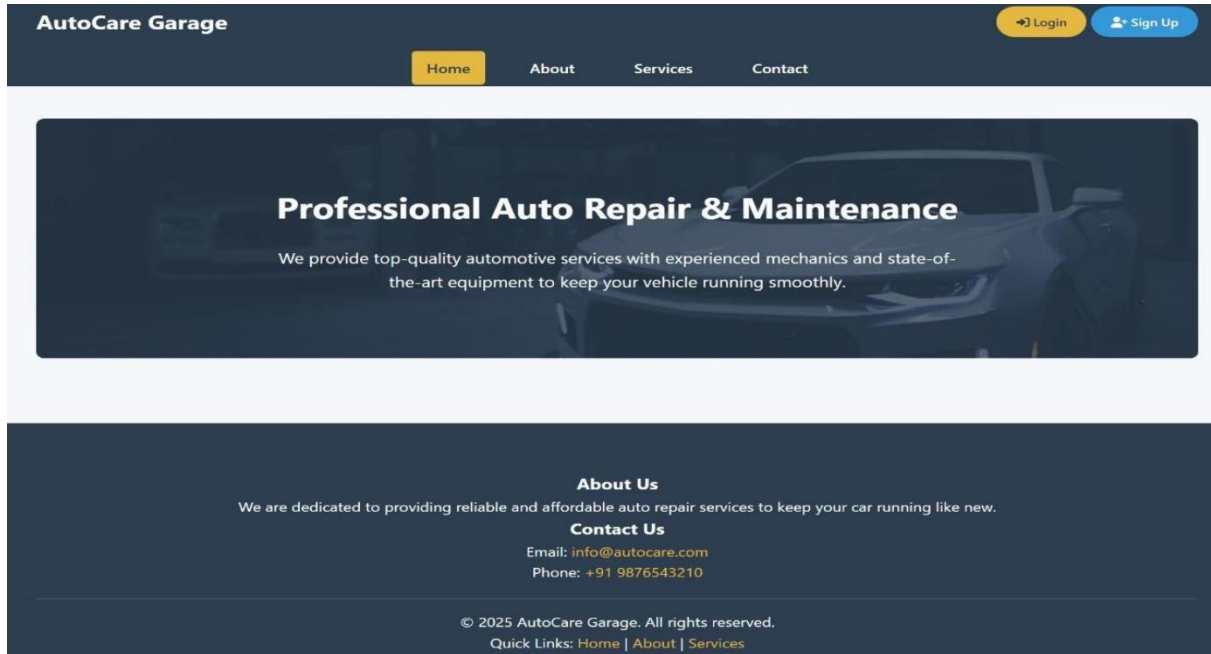
```

</div>

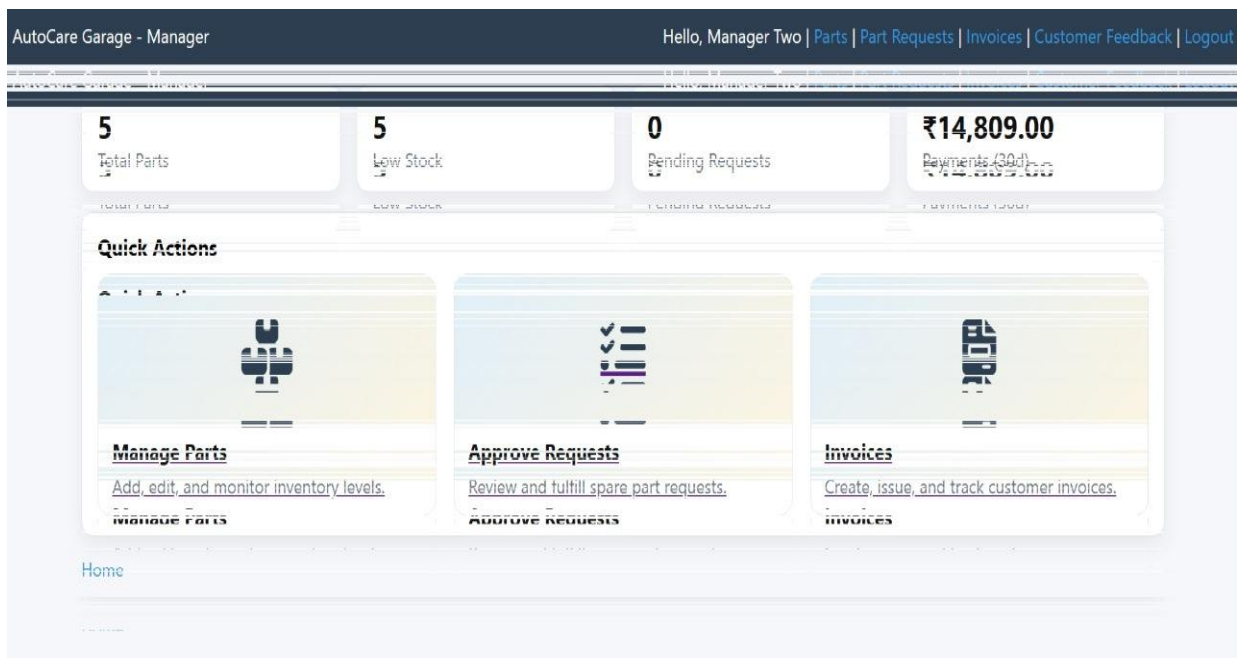
```

Appendix D Screenshots

Home page




Manager Dashboard Page



Manager/Create Part Page

AutoCare Garage - Manager

Hello, Manager Two | [Dashboard](#) | [Part Requests](#) | [Invoices](#) | [Logout](#)

 **Create Part**

Add a new spare part to your inventory.

Name

SKU (optional)

Reorder Level

Cost Price

Sale Price

e.g., Brake Pad


e.g., BRK-001

0

0

0

+ Create

 **Parts Inventory**

Review and manage your parts. Use Actions to edit details or adjust stock.


Name	SKU	Stock	Reorder Level	Cost	Price	Actions
Brake pad	BRK003	2 Low	9	800.00	1,200.00	<div><div>Edit</div><div>Adjust</div></div>
Oil Filter	OIL004	3 Low	25	200.00	350.00	<div><div>Edit</div><div>Adjust</div></div>
Radial Tire 185/65 R15	TR-5001	18 Low	20	3,200.00	4,500.00	<div><div>Edit</div><div>Adjust</div></div>
Spark Plug	ET-2001	4 Low	15	800.00	1,500.00	<div><div>Edit</div><div>Adjust</div></div>
Steel Wheel	WHL002	2 Low	10	4,000.00	6,000.00	<div><div>Edit</div><div>Adjust</div></div>

[Back to Dashboard](#) | [Home](#)

Manager/Spare Part Request Page

AutoCare Garage - Manager

Hello, Manager Two | [Dashboard](#) | [Parts](#) | [Invoices](#) | [Logout](#)

 **Spare Part Requests**

Approve or reject pending requests from mechanics. Use the status filter to view history.

Status:

Pending

#	WO	Mechanic	Part	Qty	Requested At	Actions
No requests.						

[Back to Dashboard](#) | [Home](#)

Manager/Reports Page

AutoCare Garage - Reports

Hello, Manager Two | [Dashboard](#) | [Logout](#)

Filters

Start

01-10-2025

End

10-10-2025

Group

Daily

Apply

Revenue (Payments) — Daily — Total ₹0.00

Export CSV

Print

Daily Revenue

Date

Amount

No payments in range.

Parts Usage

Export CSV

Part

SKU

Qty Used

No fulfilled requests in range.

Outstanding Invoices

Export CSV

#

Number

Status

Total

Paid

Due

#4

INV-20250926-113652-6

Issued

1,593.00

0.00

1,593.00

[Back to Dashboard](#) | [Home](#)

Manager/Customer Feedback Page

AutoCare Garage - Customer Feedback

Hello, Manager Two | [Dashboard](#) | [Reports](#) | [Logout](#)

Filters

Start End Min Rating [Apply](#) [Export CSV](#)

Average rating: **N/A** from 0 responses.

Feedback

Created	WO #	Customer	Email	Service	Rating	Comments
No feedback in range.						

[Back to Dashboard](#)

Supervisor Dashboard Page

AutoCare Garage - Supervisor

Hello, Demo Supervisor | [Appointments](#) | [Manage Mechanics](#) | [Logout](#)

9
Total Appointments

1
Pending/Approved

6
Work Orders

3
Active Mechanics

Quick Actions


[View Appointments](#) [Manage Mechanics](#)


[Home](#)










Supervisor/Appointments Page

AutoCare Garage - Supervisor

Hello, Demo Supervisor | [Dashboard](#) | [Manage Mechanics](#) | [Logout](#)

Appointments

Status: All 

#	Customer	Vehicle	Service	Preferred Date	Status	Actions
1	viji	Honda City 2016 (kl658990)	Engine Tune Up	2025-06-22 10:30:00	Assigned	<div>Assign Mechanic... </div> <div>Assign</div>
2	Adhithya	Honda City 2016 (KL-11-IO-9917)	Wheel Alignment	2006-06-12 10:00:00	New	<div>Approve</div> <div>Assign Mechanic... </div> <div>Assign</div>
3	Neha	Honda City 2015 (KL-11-IO-9999)	Oil Change	2025-09-27 12:00:00	Assigned	<div>Assign Mechanic... </div> <div>Assign</div>
4	Rosmy	BMW 3 Series 2013 (KL-77-UY-3333)	Tire Replacement	2025-09-26 22:00:00	Assigned	<div>Assign Mechanic... </div> <div>Assign</div>
5	Rosmy	BMW 3 Series 2013 (KL-77-UY-3333)	Oil Change	2025-09-27 22:00:00	Assigned	<div>Assign Mechanic... </div> <div>Assign</div>
6	Fathima	BMW 3 Series 2013 (AP 04 AD 4444)	Wheel Alignment	2025-09-26 21:00:00	Assigned	<div>Assign Mechanic... </div> <div>Assign</div>
7	viji	Chevrolet Cruze 2017 (TN 45 BN343)	Brake Repair	2025-09-26 21:00:00	Assigned	<div>Assign Mechanic... </div> <div>Assign</div>
8	sandhra	Honda Civic 2021 (MH-12-XY-5678)	Oil Change	2024-09-26 10:00:00	Assigned	<div>Assign Mechanic... </div> <div>Assign</div>
9	viji	toyota Corolla 2025 (KL-55-AB-1234)	Brake Repair	2025-09-27 10:00:00	Assigned	<div>Assign Mechanic... </div> <div>Assign</div>

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Supervisor/Create Mechanic Page

AutoCare Garage - Supervisor

Hello, Demo Supervisor | [Dashboard](#) | [Appointments](#) | [Logout](#)

Create Mechanic

☒ Active

 Create

Mechanics

Name	Email	Status	Actions
Abhishek	abhi@gmail.com	Active	<div>Deactivate</div>
Mechanic Two	mechanic2@example.com	Active	<div>Deactivate</div>
sarath	sarath@gmail.com	Active	<div>Deactivate</div>
Suresh	suresh@gmail.com	Inactive	<div>Activate</div>

Mechanic Dashboard Page

AutoCare Garage - Mechanic

Hello, sarath | [My Jobs](#) | [Logout](#)

0


New


0

In Progress

1

Completed

 Quick Actions

 View Assigned Jobs

[Home](#)

Mechanic/jobs Page

AutoCare Garage - Mechanic

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My Assigned Jobs


#	Customer	Vehicle	Service	Preferred Date	Status	Actions
1	viji	Chevrolet Cruze 2017 (TN 45 BN343)	Brake Repair	2025-09-26 21:00:00	Completed	<div><div>Set Status...<div></div></div><div>Update</div></div> <div><div>Request Part...<div></div></div><div>1</div></div> <div>Request</div>


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
Customer Dashboard


AutoCare Garage - Customer

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 **Quick Actions**

 Manage Vehicles


 Book Appointment

 **Your Recent Appointments**

No appointments yet.

 **Your Work Orders**

No work orders yet.

 **Your Latest Invoices**


No invoices yet.

[Back to Home](#)

Customer/Add Vehicle Page

AutoCare Garage - My Vehicles

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 **Add Vehicle**

VIN (optional)


License Plate (optional)

Make


Model

Year

+ Add Vehicle

 **Your Vehicles**

Make	Model	Year	VIN	Plate
toyota	s22	2015	124fssfgf	kl432145a09


 [Book an appointment](#)

[Home](#)


Customer/Book Appointment Page

AutoCare Garage - Book Appointment


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 **New Appointment**


Select Vehicle


toyota s22 2015 (kl432145a09) 

Service Type

Wheel Alignment 

Preferred Date & Time

11 - 12 - 2025 11:00 AM 

 Book Appointment

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