

A Project Report On

Car Showroom

SUBMITTED IN THE PARTIAL FULFILMENT OF THE REQUIREMENT FOR THE AWARD
OF THE DEGREE OF

**BACHELOR OF TECHNOLOGY
IN
COMPUTER SCIENCE & ENGINEERING**

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**GLOBAL GROUP OF INSTITUTES, AMRITSAR
JAN-JUNE, 2025**

Student Declaration

I hereby certify that the work presented in this major project report, titled “**Car Showroom**”, has been carried out by me as a part of the **training sessions** in fulfillment of the requirements for the **Bachelor of Technology degree in the Department of Computer Science and Engineering** at **Global Group of Institutes, Sohian Khurd**. This report is a record of my original work conducted during the **training sessions of the 2nd semester**.

April 02, 2024

Deepak Kumar Yadav
Manish Kumar

The major project viva-voce examination of Deepak Kumar Yadav & Manish Kumar, Roll No. 2231501, Roll No. 2231525 of B.TECH (CSE) has been held on 02-April-2025.

Acknowledgement

I hereby certify that this project is original and solely my work. Its successful completion would not have been possible without the guidance and support of several individuals, to whom I am deeply grateful.

First and foremost, I extend my sincere appreciation to my Head of the Department, Er. Tejinder Deep Singh, and my mentor, Er. Gurmeet Singh. Their expertise, valuable insights, and constructive feedback played a pivotal role in shaping this project.

I am also immensely grateful to the college administration for providing me with this opportunity. This experience has been highly enriching, and I look forward to participating in similar endeavours in the future.

Furthermore, I would like to express my heartfelt gratitude to my parents and friends for their unwavering support and encouragement throughout this journey. Their thoughtful feedback and motivation were instrumental in bringing this project to completion.

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Deepak Kumar Yadav

Manish Kumar

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CHAPTER - 1

INTRODUCTION TO PROJECT

The Car Showroom Website Project is designed to create an advanced, user-friendly platform that transforms how customers interact with a car dealership online. This project focuses on delivering a seamless car-buying and servicing experience, combining cutting-edge features with a smooth interface to meet the needs of both new and returning customers.

Dynamic Vehicle Listings: Easy filtering and detailed vehicle descriptions for new and used cars.

- **Financing & Leasing Options:** Integrated calculators and application tools to simplify payment planning.
- **Service Requests:** Online scheduling for repairs and maintenance.
- **Test Drive Booking:** Streamlined test drive scheduling for in-person or home-based appointments.
- **Special Offers:** Highlight limited-time promotions and exclusive deals

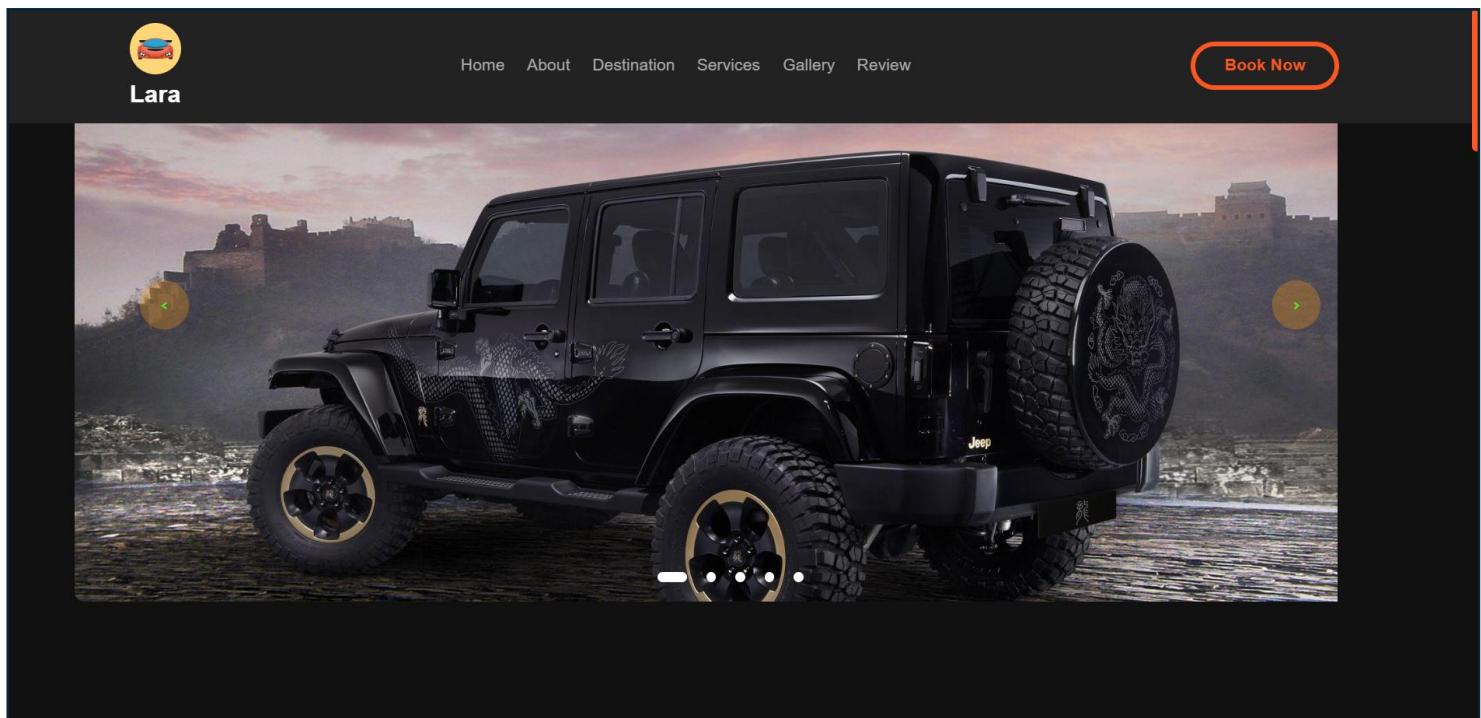


Figure 1.1 (Home Page)

1.1 Project Aim & objectives

The primary objective of the Car Showroom Website is to deliver a seamless and engaging online experience for customers throughout their vehicle buying journey. The website aims to

- **Simplify Online Purchases:** Provide a secure platform for users to complete their car purchases, including online payment and digital documentation.
- **Facilitate Financing and Leasing:** Offer convenient online tools for applying for financing, calculating monthly payments, and exploring leasing options.
- **Streamline Trade-In Valuation:** Enable users to quickly obtain and apply trade-in values for their current vehicles through an online estimator.
- **Enable Test Drive Scheduling:** Allow users to book test drives effortlessly, including options for in-person and home-based test drives.
- **Manage Service Appointments:** Provide an easy-to-use system for scheduling and managing vehicle maintenance and repair services.
- **Promote Offers and Discounts:** Highlight special promotions, discounts, and seasonal deals to attract and retain customers.
- **Offer Extended Warranties:** Present various extended warranty and protection plan options, with the ability to purchase directly online.

1.2 SCOPE OF PROJECT

- I. Homepage:
 - Showcase latest models, popular cars, and featured offers.
 - Include a dynamic banner with upcoming car launches or discounts.
 - Display contact information and showroom location with a map.
- II. Car Listings and Details:
 - Categorized listings (SUVs, Sedans, Hatchbacks, etc.).
 - Detailed car pages with images, specifications, and pricing.
 - 360-degree view and 3D car design feature for an immersive experience.
 - Comparison tool to compare different car models.
- III. Booking and Registration:
 - User-friendly booking process for test drives or car bookings.
 - Multi-step registration form with progress indicator.
 - Secure user account creation and login options.
- IV. Payment Options
 - Multiple payment gateways (UPI, PhonePe, Paytm, credit/debit card).
 - Payment confirmation pop-up.
 - Option for PDF invoice download post-payment.
- V. Virtual and Interactive Features:
 - Virtual tour of the showroom.
 - Interactive car customization (choose colors, wheels, interiors, etc.).
 - Augmented Reality (AR) feature to visualize cars in real-world settings.
- VI. Customer Support:
 - Live chat feature for instant assistance.
 - Contact form for inquiries.
 - FAQ section addressing common questions about cars and services.
- VII. User Reviews:
 - Section for customer reviews on car models and showroom experience.
 - Rating system for models and services.

1.3 Key Feature of Project

1. User Features (Frontend)

- ◆ Home Page – Displays featured cars, promotions, and showroom details
- ◆ Car Listings – View available cars with specifications, images, and prices
- ◆ Advanced Search & Filter – Search by model, price range, fuel type, and brand
- ◆ Car Comparison – Compare multiple cars based on specifications and features
- ◆ Virtual Tour – 360-degree car views and virtual showroom experience
- ◆ Test Drive Booking – Schedule a test drive online
- ◆ Online Booking & Payments – Secure booking and payment options (Credit/Debit, UPI, Net Banking)
- ◆ Customer Reviews & Ratings – Users can leave feedback and ratings
- ◆ Contact & Support – Inquiry form, live chat, and showroom contact details

2. Admin Features (Backend)

- ◆ Admin Dashboard – Manage car listings, orders, and customer inquiries
- ◆ User Management – Add, remove, and update customer profiles
- ◆ Inventory Management – Add/update/remove car details (price, images, stock availability)
- ◆ Offer & Discount Management – Admin can set seasonal discounts or promotional offers
- ◆ Order & Payment Tracking – View booking details and payment status
- ◆ Test Drive Management – Approve, reschedule, or cancel test drive requests
- ◆ Data Analytics & Reports – Track sales, customer preferences, and website performance

CHAPTER - 2

SOFTWARE AND HARDWARE USED

2.1 Hardware Requirements

- Visual Studio Code.
- Chrome or another browser.
- Windows 7/8/8.1/10 or higher

2.2 Hardware Requirements

- Processor: Minimum 1 GHz; Recommended 2GHz or more
- Ethernet connection (LAN) OR a wireless adapter (Wi-Fi)
- Hard Drive: Minimum 32 GB; Recommended 64 GB or more
- Memory (RAM): Minimum 1 GB; Recommended 4 GB or above
- Sound card w/speakers
- Some classes require a camera and microphone

CHAPTER - 3

RESULTS AND DISCUSSION

3.1 Screenshots and its Description

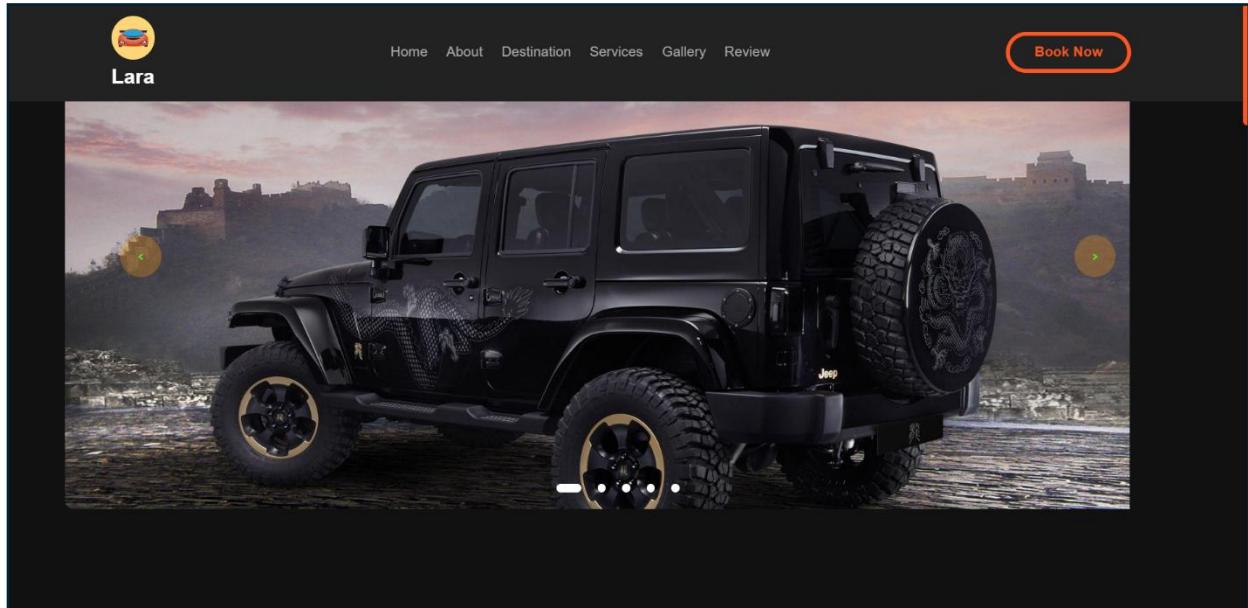


Figure 1 (Home Page)

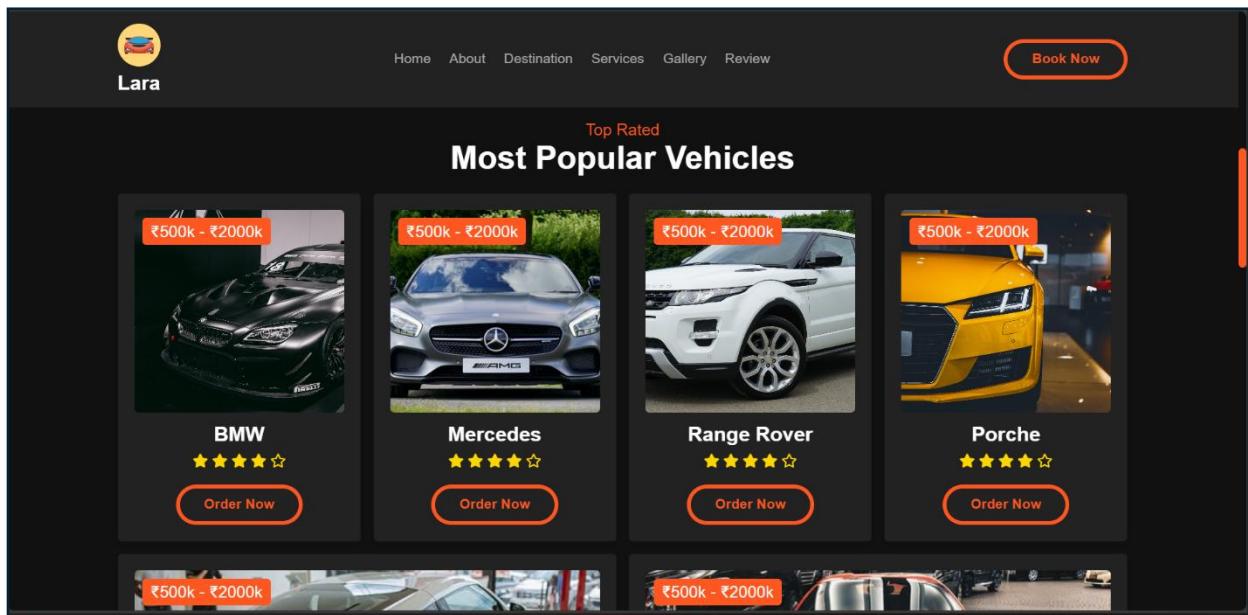


Figure 2 (Top rated)

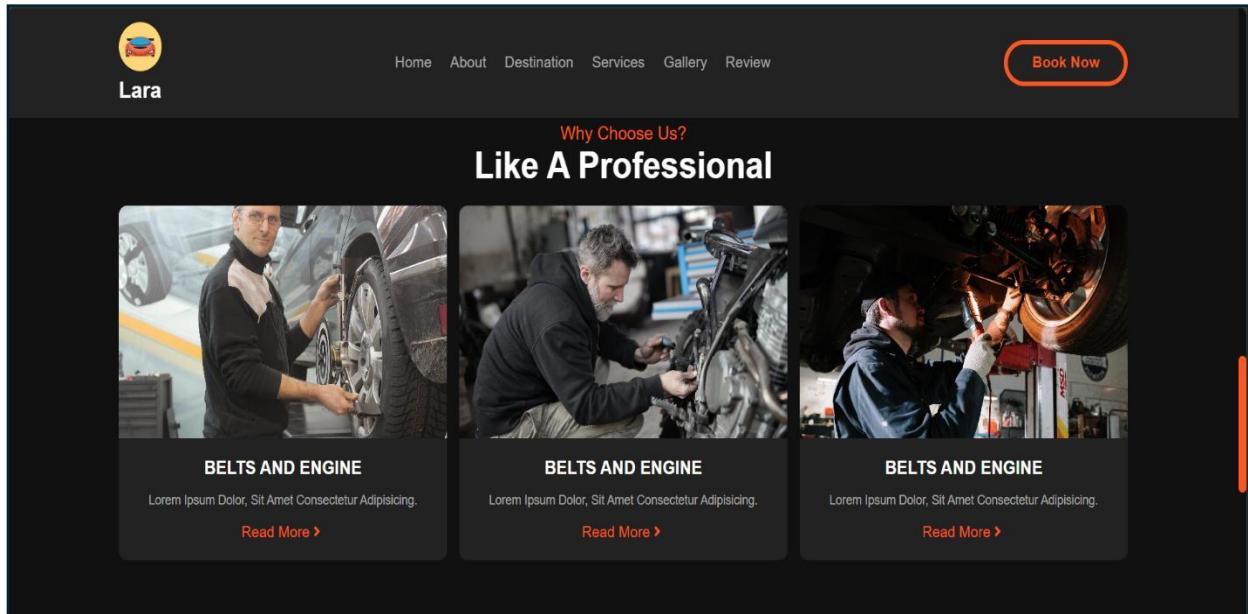


Figure 3 (Why Choose us)

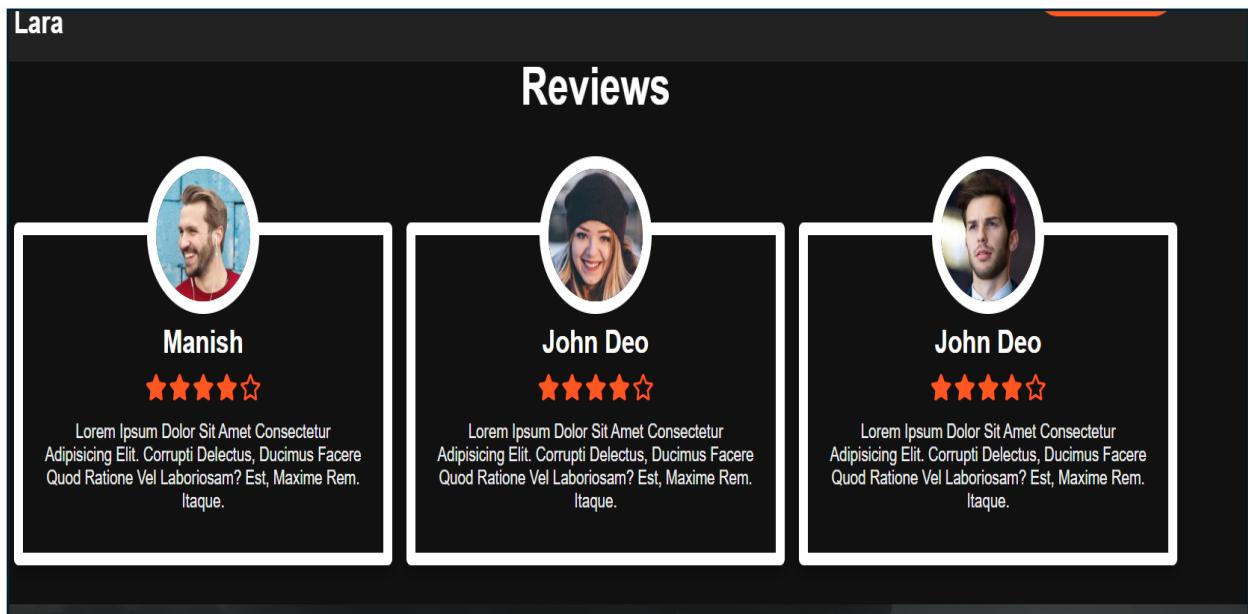


Figure 4 (Review)

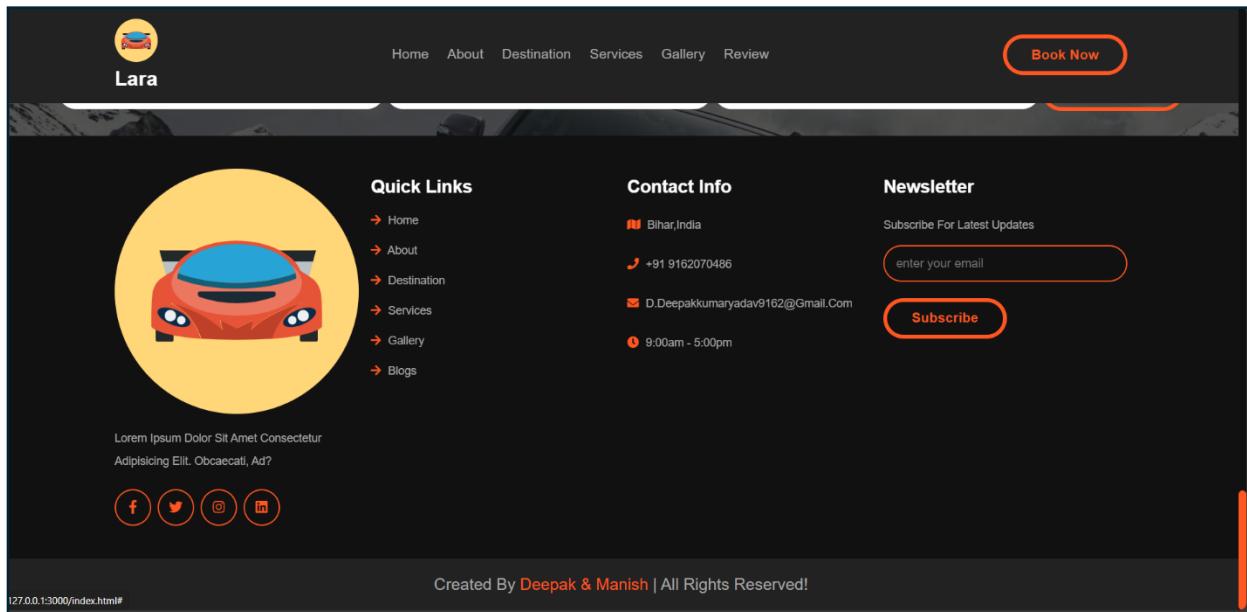


Figure 5 (Footer)

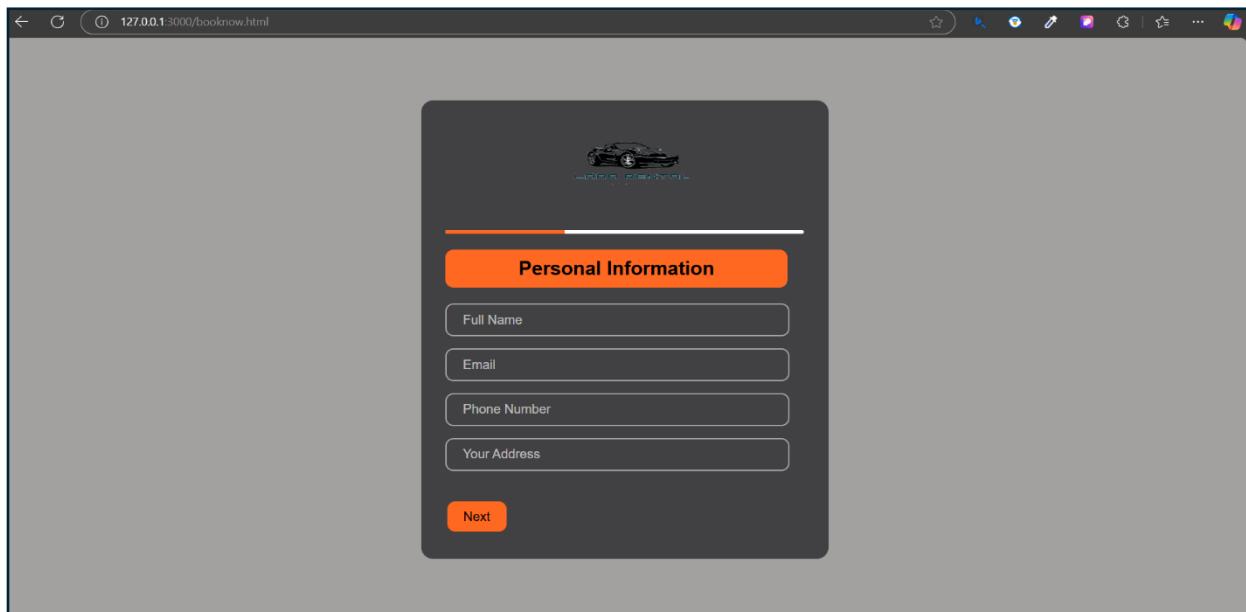


Figure 6 (Booking Section)

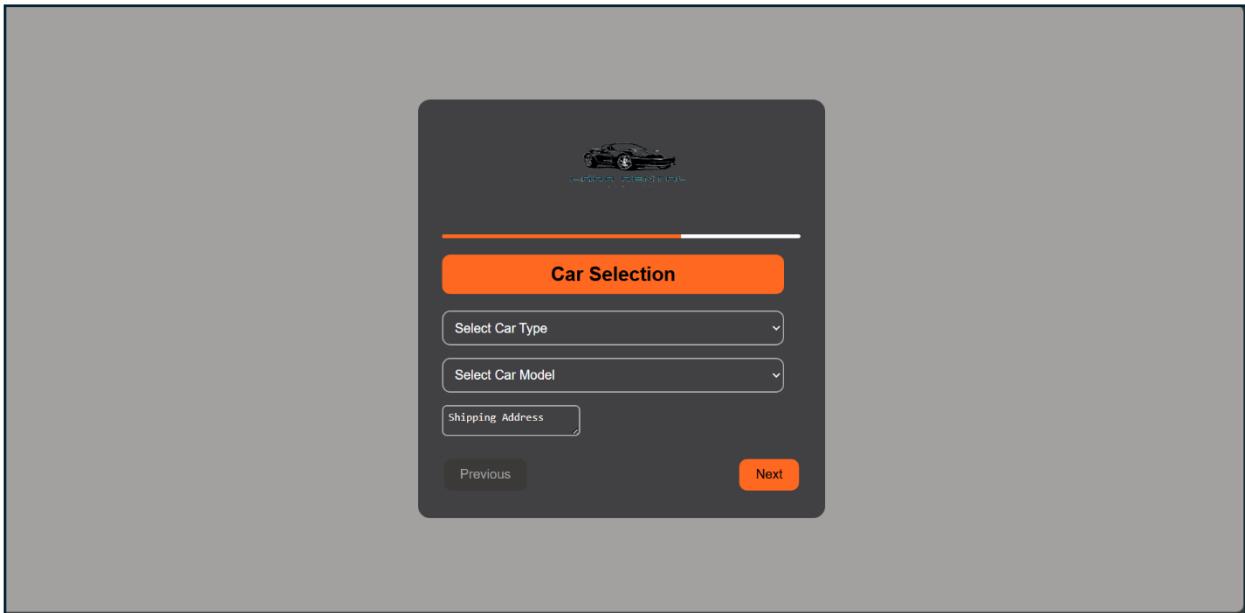


Figure 7 (Booking Section 'Car Selection')

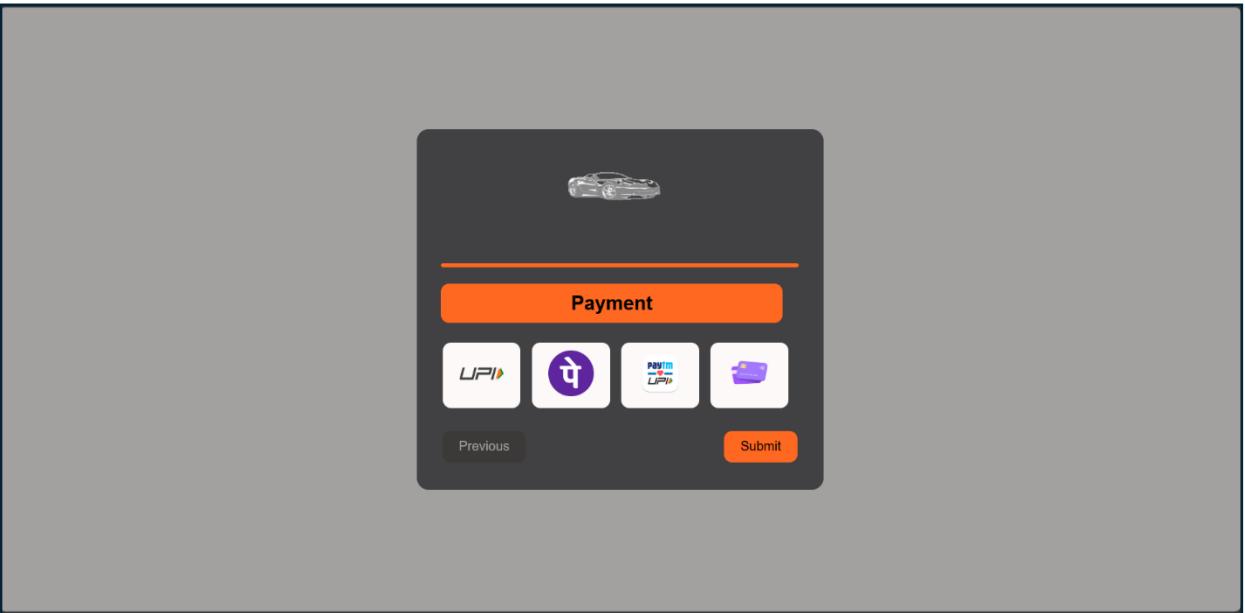


Figure 8 (Booking Section 'Payment')

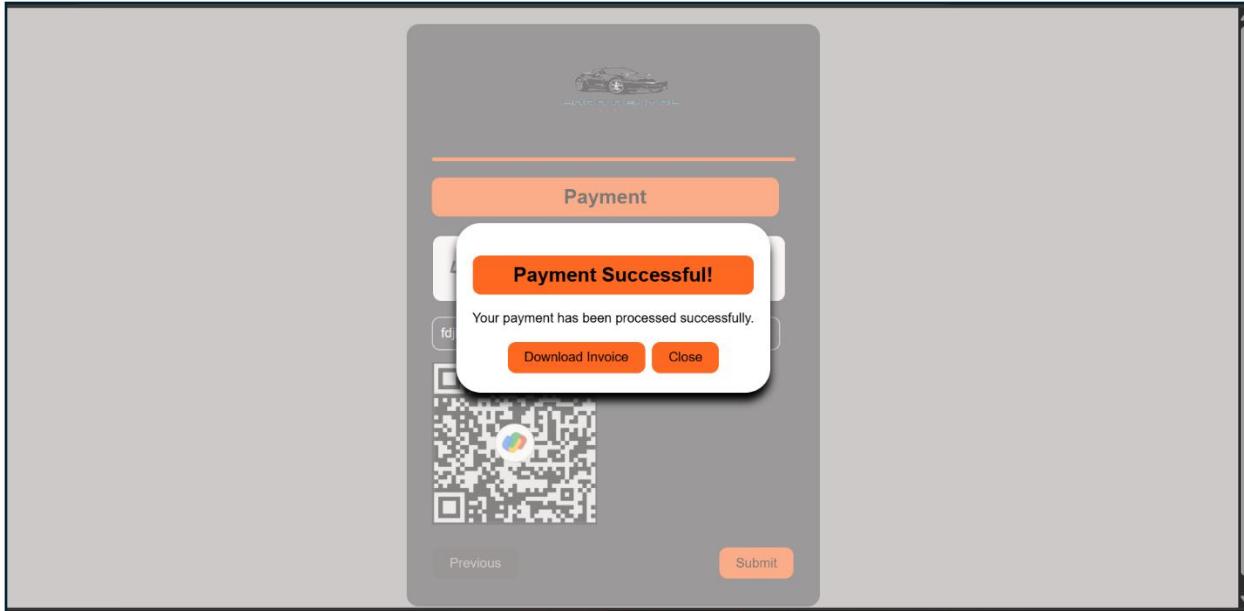


Figure 9 (Booking Section 'Download Invoice')

CHAPTER - 4

CONCLUSION AND FUTURE SCOPE

4.1 Conclusion

In conclusion, our Car Repair Service is dedicated to providing top-notch, professional, and reliable automotive solutions. With our team of skilled technicians, state-of-the-art equipment, and a customer-centric approach, we ensure that every vehicle receives the best care possible. From routine maintenance to complex repairs, we prioritize quality, efficiency, and transparency in every service we offer.

By choosing us, you are not only ensuring the longevity and performance of your vehicle but also experiencing a hassle-free and professional service. Our commitment to excellence, affordability, and customer satisfaction sets us apart as a trusted name in car repairs.

4.2 Future scope

The future of our Car Repair Service is focused on innovation, customer convenience, and sustainability. As the automotive industry evolves, we plan to incorporate advanced technology and modern techniques to enhance service quality and efficiency.

Key Future Developments:

1. Integration of AI & IoT: Implementing smart diagnostics and predictive maintenance using AI-powered tools for accurate and real-time vehicle analysis.
2. Expansion of Services: Adding specialized services like hybrid and electric vehicle maintenance to meet the growing demand for eco-friendly transportation.
3. Mobile Service Units: Introducing on-the-go repair services where customers can book mobile mechanics for minor repairs and maintenance at their doorstep.
4. Online Booking & Tracking: Enhancing our digital platform with advanced booking options, live service tracking, and instant repair estimates.
5. Sustainability Initiatives: Adopting eco-friendly repair techniques, using recyclable materials, and promoting green solutions in automotive repair.
6. Customer Loyalty Programs: Developing membership plans, discounts, and exclusive offers to enhance customer engagement and satisfaction.