
CAR MARKET WEBSITE

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ABSTRACT

This project provides a dynamic Car Market Website developed using PHP and MySQL, with the goal of simplifying the process of buying and selling vehicles online. The platform offers a user-friendly interface where users can browse, search, and filter a wide range of cars based on various criteria such as make, model, price, and year. Built with PHP for server-side scripting and MySQL for efficient data management, the website ensures secure, reliable, and responsive interactions between users. The system supports user authentication, data validation, and CRUD operations, providing a solid backend for handling listings and user accounts. The main goal is to offer a rich and accessible platform for car enthusiasts, dealers, and individual sellers, thereby enhancing transparency, convenience, and trust in the online vehicle marketplace.

Keywords: Car Market Website, PHP, MySQL.

I. INTRODUCTION

With the rapid growth of internet usage and digital marketplaces, the need for dedicated online platforms to facilitate vehicle buying and selling has significantly increased. Traditional methods of car trading often involve time-consuming processes, limited exposure, and a lack of real-time updates, making it harder for buyers and sellers to connect efficiently. To address these challenges, this project introduces a Car Market Website, developed using PHP and MySQL, which provides a centralized, user-friendly platform where individuals and car dealers can list, browse, and purchase vehicles with ease.

The platform supports features such as user registration, secure login, detailed car listings with images, and search and filtering capabilities based on make, model, price range, and year. Buyers have access to in-depth information on vehicles and their spare parts. The system also offers proper data handling and interaction through a solid backend powered by MySQL. The project, developed with simplicity and functionality in mind, this project aims to create a reliable and accessible digital solution that bridges the gap between car buyers and sellers, especially for users with minimal technical knowledge. Ultimately, it aims to provide more transparent, efficient, and user-friendly.

II. METHODOLOGY

The website development of the Car Market follows a structured, database-based approach with a focus on usability, security, and scalability. The system is built using PHP as server-side scripting and MySQL as the back-end database, thus enabling dynamic user interaction with the site through efficient data handling and storage.

The site has been divided into several functional modules such as user authentication. Login and registration are a prerequisite so users can create, modify, or administer listings on their vehicles. The authentication module uses secure PHP sessions to authenticate users, log active sessions, and restrict use to logged-on users alone. All listing data is stored in MySQL, with relational tables linking users to their respective listings for easy retrieval and updates.

The frontend interface is developed using standard HTML, CSS, and JavaScript to ensure a clean and responsive design. Throughout the development process, the project followed a modular design structure to ensure maintainability and future scalability. Reusability and separation of concerns were the primary goals while designing all code components. Based on PHP and MySQL, the Car Market Website provides an effective platform for trading automobiles and Viewing Detailed information, with the highest priority for providing a smooth and secure user experience to buyers and Visitors.

III. DATA FLOW DIAGRAM

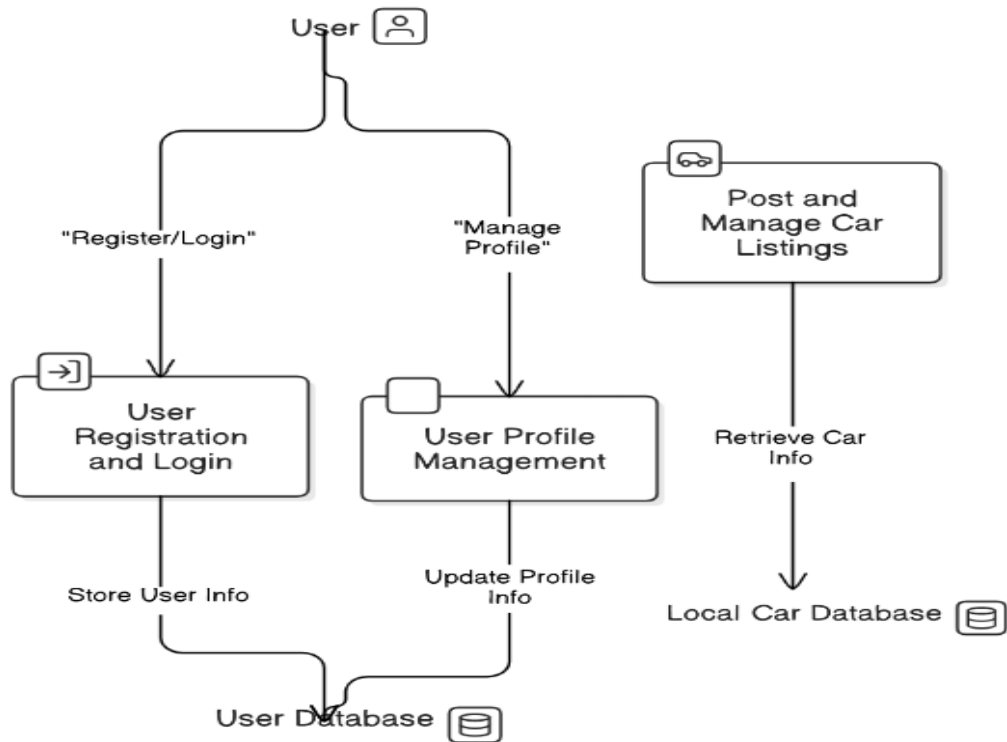


Figure 1: Data flow diagram of Car market website

Use Case Diagram

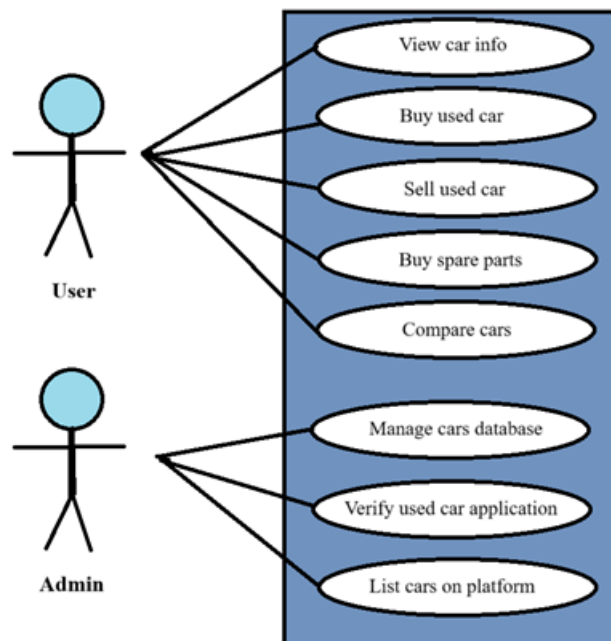


Figure 2: Use case diagram of Car market website

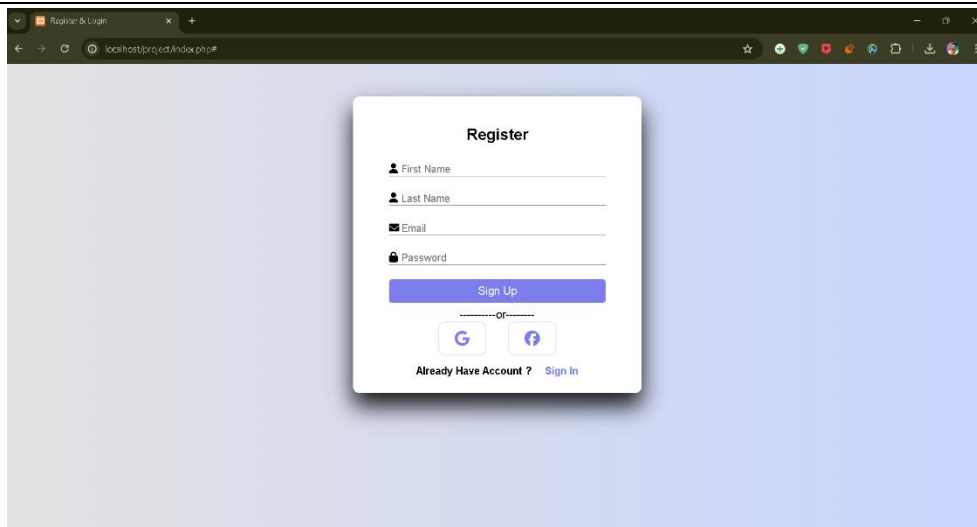


Figure 3: User and login by entering username and password

IV. RESULTS AND DISCUSSION

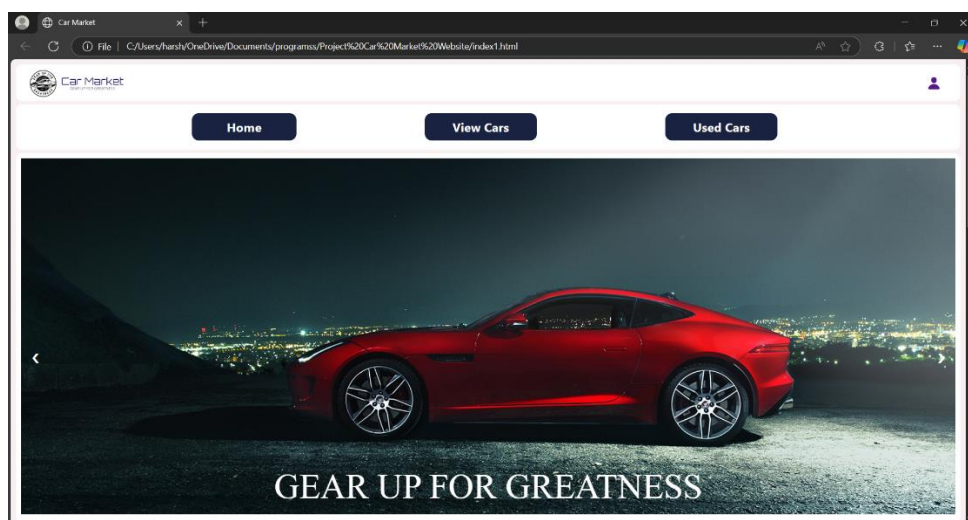


Figure 4: Home page of website

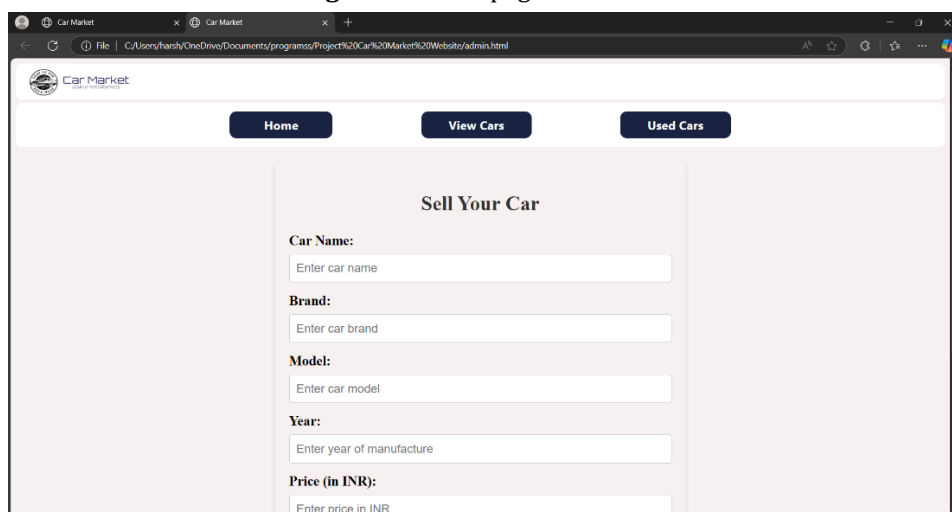


Figure 5: Car selling form

V. CONCLUSION

The Car Market Website effectively automates the process of selling and purchasing cars in a straightforward, accessible, and effective online platform. Developed in PHP and MySQL, it offers essential features such as secure user registration, dynamic management of car listings, all in a user-friendly interface. By placing vehicle trading on an online platform, the system does away with the traditional hindrances, thereby saving time and raising visibility for buyers and sellers. This project is an excellent solution for both users and car dealers who want a trustable online platform. Its database-based and modularity design enable it to be easily maintained and extended. Ultimately, the Car Market Website contributes to the digital transformation of the automobile trading industry by offering a secure, user-friendly, and effective way to connect buyers and sellers in a modern, web-based environment.

VI. REFERENCES

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