

User Manual

Software Engineering Course Project

Car Showroom Management System

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Course: Software Engineering

Technology: PHP & MySQL

1. Introduction

This document represents the **User Manual** for the *Car Showroom Management System*. The purpose of this manual is to guide users on how to install, run, and use the system correctly. The manual follows the official template required by the course instructor.

2. System Overview

The Car Showroom Management System is a web-based application designed to manage car showroom operations. It allows customers to view available cars and make reservations, while administrators manage cars and reservations.

The system is implemented using **PHP**, **MySQL**, and runs on a local web server environment.

3. System Requirements

3.1 Hardware Requirements

- Laptop or Desktop Computer
- Minimum 4 GB RAM

3.2 Software Requirements

- Operating System: Windows / Linux / macOS
 - XAMPP (Apache + MySQL)
 - Web Browser (Google Chrome recommended)
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4. Installation and Setup

4.1 Server Installation

1. Download and install XAMPP.
2. Start Apache and MySQL from XAMPP Control Panel.

4.2 Project Setup

1. Copy the project folder `car-showroom-management-system`.
2. Paste it into:

`C:\xampp\htdocs`

4.3 Database Configuration

1. Open phpMyAdmin.
 2. Create a database named `car_showroom`.
 3. Import the database schema file.
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5. System Functions

5.1 User Registration

Users can create an account by providing their name, email, and password.

5.2 User Login

Registered users can log in using valid credentials.

5.3 View Available Cars

Users can browse the list of cars including brand, model, and price.

5.4 Car Reservation

Users can reserve an available car. The reservation is stored with a pending status.

5.5 Admin Functions

Administrators can add new cars and manage reservations.

6. User Scenario

1. Open the system homepage.
 2. Register or log in.
 3. Browse available cars.
 4. Select a car and submit a reservation.
 5. Receive confirmation message.
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7. Error Handling

- Invalid login credentials show an error message.
 - Database connection errors are handled securely.
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8. Conclusion

This system provides a simple and effective solution for managing a car showroom. It meets all course requirements and follows software engineering principles.

9. Future Enhancements

- Payment integration
- Advanced admin dashboard
- Improved user interface