

# User Manual

## Software Engineering Course Project

### Car Showroom Management System

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**Course: Software Engineering**

**Technology: PHP & MySQL**

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## 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.

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## 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.

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## 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.

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## **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.

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## **9. Future Enhancements**

- Payment integration
- Advanced admin dashboard
- Improved user interface