Proposal

Car Showroom Rental Management Website

Ayesha Nasir 22k-4387

Saad Arshad 22k-4141

Team Leader: Ayesha Nasir

Advisor: Miss Mahrukh Khan

22nd February, 2025

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# **Overview**

**Motivation:**

Managing a car showroom manually is inefficient and prone to errors. Our project aims to digitalize showroom operations, streamlining inventory management, customer interaction, and sales tracking.

**Customer:**

Car showroom owners looking to automate inventory, manage sales, and enhance customer experience.

**Project Deliverables:**

* A web-based car showroom management system.
* Inventory management with stock tracking and updates.
* Customer module for inquiries, bookings, and test drives.
* Sales and report generation to track business performance.

**Project Duration**:

The project will be completed by Week 15, following the course timeline.

**Dependencies:**

* JIRA for project workflow tracking.
* Database integration.

# **Project Detail**

## **Project Goals**

**Functional Goals:**

* **Inventory Management:** Add, update, and remove cars from stock.
* **Customer Interaction:** Handle inquiries, test drives, and purchases.
* **Sales Management:** Generate reports on showroom performance.
* **Authentication System:** Secure login for admins and customers.

**Technological Goals:**

* Develop a **responsive web interface**.
* Implement **secure authentication**.
* Use **a scalable backend**.

**Quality Goals:**

* Ensure **fast load times** for smooth navigation.
* Implement **data security measures** (SSL, encryption).

**Organizational Goals:**

* Gain JIRA experience for project tracking.
* Applying best practices in software engineering.

## **Project Scope**

* Web-based car showroom management system.
* Admin dashboard for managing inventory and sales.
* Customer portal for browsing, booking, and inquiries.
* Reports and analytics for business insights.
* line flower store with order management.
* Customer authentication and profiles.
* Payment gateway integration.
* Admin dashboard for inventory and sales tracking.

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## **Project Team**

|  |  |  |
| --- | --- | --- |
| **Name** | **Availability (Hours/Week)** | **Comment** |
| Ayesha Nasir (22k-4387) | 8-10 | Manages project workflow, backend development & authentication, uses JIRA to analyze workflow |
| Saad Arshad (22k-4141) | 8-10 | Designs UI, implements website responsiveness and manage database, uses JIRA to analyze workflow |

## **Existing Work**

Our project addresses these gaps by providing:

* User Authentication & Profiles
* Product Catalog with Categories & Search
* Cart, Checkout & Secure Payments
* Order Tracking & Admin Management
* Responsive Design for Multiple Screen Sizes