MINI PROJECT

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ABSTRACT

The proposed Car Dealership Management System (CDMS) is a feature-rich platform designed to streamline and enhance the operations of a car dealership. The system ensures a seamless experience for all stakeholders. The CDMS not only facilitates vehicle sales and services but also provides users with a unique vehicle customization feature along with a optimized searching method where user get search results based on certain specification of the car prompted by user , while also suggesting vehicles tailored to their preferences. The goal is to enhance user satisfaction, optimize operational efficiency, and introduce innovative ownership options.

The proposed system has four modules admin, customers or users, sales employee and service employee. The admin can manage employees, customers and vehicles. An employee can facilitate the sales, assist the customer, manage testdrives, manage service appointments and take feedback from customers. The vehicle uploaded by the admin can be viewed by the customer they can book the vehicle, customize it. Out of this overall proposed system expect customization and service the remaining functionalities will be completed in the mini project

MODULES

Admin Module

- Secure login and role-based access for administrators.
- Dashboard offering insights into sales, inventory, and service activities.
- Inventory management to add, update, and categorize vehicles.
- User management to oversee staff and user roles.

User Module

- User registration and login capabilities.
- User profiles with personal details and preferences.
- customize vehicle features.
- Vehicle suggestion based on user preferences.

Sales Module

- Sales personnel login with access to customer details.
- Manage and monitor sale process.
- Provide necessary assistance to customers.

Service Module

- Service team login with access to customer service requests.
- Service request management to schedule appointments and track progress.
- Maintenance history tracking for each vehicle.
- Warranty information management and reminders.
- Integration with parts inventory for efficient servicing.

Sofware Specifications

- Frontend: React.js for building dynamic and interactive interfaces.
- Backend: Node.js with Express.js for server-side logic and API handling.
- Database: MongoDB for storing user profiles, vehicle data.