AMAL JYOTHI
COLLEGE OF ENGINEERING
(A U T O N O M O U S)

ADAM AUTOMOTIVE

20INMCA509 - Mini Project 2

Scrum Master

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DEPARTMENT OF
COMPUTER APPLICATIONS

ABSTRCT

Project Overview

Adam Automotive is a used car web app that allows users to purchase Luxury pre-owned vehicles. The platform also provides vehicle servicing options for customers. With a user-friendly interface, customers can easily browse through a wide selection of available cars, filter their search by make, model, and year, and access detailed information about each vehicle, including its history, service records, and condition. Additionally, the app offers secure online payment options and the ability to schedule a test drive or service appointment. Through The Web App Seller Can Sell Vehicle To Adam Automotive.

Features

- Allow Customers to Explore The Interior And Exterior of Vehicle Through Images.
  Financing Options.
- Filter search by make, model, year, and other criteria
- View detailed information about each vehicle, including its history, service records, and condition
- In history insurance details, road tax details, total kilometres run, pollution details are included
- User-friendly interface and easy navigation

Existing System

- Harman Motors is an Existing online marketplace for buying and selling used cars.
- Harman Motors has no option for buying a car by online.
- They have no option available for servicing the car.
- They Has No Car Servicing Option.
- They have no call back option If customer requested
- They Have No Luxury Car Rental Options.
- Website Address: WWW.HarmanMotors.com

Proposed System

- The main attraction of Adam Automotive is If user got interested in a car it can be bought through online. All kind of payment can do through online. after it Car will be Delivered To The user Preferred Location in 3-6 days.
- User has also an option for booking their periodic service of car through online. Our Staff Will Contact The user and take vehicle for service And Return It as soon As Possible.
- If a user is interested in a car a call back option is included for their needs. User can request a call back and our customer executive will contact user and arrange the facilities needed to the user.
- Service Packages Are Available.

User Description

A user of Adam Automotive would typically be someone in the market for a used car. They may be looking for a specific make and model, or just starting to explore their options. They may be interested in a vehicle for personal use, or for a family member or friend. The user would likely be looking for a convenient and stress-free way to find and purchase a used car from Adam Automotive. Once the user finds a car they are interested in, they would likely be looking for a secure and easy way to make a purchase, such as through an online payment platform It Possible Through Adam Automotive.

Modules

- Admin Module
- User Module
- Seller Module

Admin Module

- Login: Allows authorized administrator to log in to the platform with their unique credentials.

- Add New Car Details: Allows administrator to add new listings of used cars to the platform, including details such as make, model, year, price, and photos.
- Remove Car Details: Allows administrator to remove car listings that are no longer available for sale.
- Status of Car: Allows administrator to mark a car as "sold" ,"available", "booked" and update the status accordingly.
- Communicate With Seller: If a seller tries to sell a car admin Get a Notification. After its Verification it get Accepted or Rejected.

User Module

- Register: Allows users to create an account on the platform.
- Login: Allows users to log in to the platform with their unique credentials.
- Search Details of Car: Allows users to search for cars on the platform using filters such as make, model, year, and price.
- Book a Test Drive: Allows users to schedule a test drive for a car they are interested in.
- Book a Car: Allows users to purchase a car through the platform.
- Profile Updation: Allows users to update their personal information
- Payment Option: Allows users to make payments for cars   or service.

Seller Module

- Login: Allows seller to log in to the platform with their unique credentials.
- Register: Allows seller to register as a seller on the platform.
- Details of Car to be Sold: Allows seller to list their used cars Details that to be sold to Adam Automotive.

Software Requirements

- Frontend: React, HTML, CSS/Bootstrap, JavaScript
- Backend: Node.js, Express
- Database: PostgreSQL or MongoDB
- Machine Learning: scikit-learn, TensorFlow, Keras, NLTK, spaCy
- Operating System: Windows 10 or later
- Web Server: Apache or Nginx

- IDE: Visual Studio Code

Hardware Requirements

- Processor: core i5
- Ram: 4GB
- Processor Speed: 2.20GHz

Adam Automotive Main -Project

Project Overview

Adam Automotive is a comprehensive web application dedicated to offering luxury pre-owned vehicles for purchase, rent, and servicing. The platform enhances the car-buying experience with advanced features that cater to user convenience and personalized service. Below is an overview of the key features of the main project.

Key Features:

• Luxury Car Rental Options

Users can rent luxury cars for short or long-term periods, providing flexibility for those who need a vehicle for a special occasion, business trip, or extended test drive.

The rental process is streamlined with clear pricing, rental terms, and easy online booking.

• Machine Learning for Personalized Car Recommendations

The app uses advanced machine learning algorithms to analyze users' economic backgrounds and personal needs, predicting the best-suited vehicles for each user.

This personalized recommendation system helps users make informed decisions based on their financial situation and preferences.

- ## **Integrated Chatbot for 24/7 Communication**

A built-in chatbot enables users to communicate with sales representatives at any time, providing instant answers to queries regarding vehicle details, purchase processes, rental terms, and service appointments.

The chatbot can schedule test drives, service appointments, and assist with any issues or concerns, enhancing customer support and satisfaction.

Benefits

- Convenience: A one-stop solution for purchasing, renting, and servicing luxury pre-owned vehicles.
- Personalization: Tailored car recommendations based on individual user profiles and preferences.
- Support: 24/7 customer support through an integrated chatbot.
- Transparency: Detailed vehicle information and secure transactions ensure a trustworthy experience.

Adam Automotive aims to revolutionize the way users interact with luxury pre-owned vehicles, providing a seamless, personalized, and comprehensive service.

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