CAPSTONE PROJECT PROPOSAL SHEET

Project Title
RentNGo: An AI-Powered Multi-Vehicle Rental Platform with Dynamic Transactions and Real-Time Tracking

Proponents
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Brief Description of the Project
The project aims to develop an AI-powered rental platform that is suited specifically for multi-vehicle rentals—either cars, motorcycles, or trucks. Core features include the integration of AI technologies that are used in the system to help enhance user experien such as an intelligent chatbot for real-time assistance, dynamic search functionality, and flexible transaction options like time-based pricing and rental negotiations also has real-time vehicle tracking and a digital payment integration model tailored for the various types of tenancy agreements. Borrowing the idea from marketplace platforms enables users to choose and compare which vehicle is best for them from available candidates while assisting multi-vehicle owners through its own dedicated multi-owner dashboard. The platform provides both a website administrative interface and a mobile app for customers to offer rentals with up-to-the-minute information.

Proposed Features of the Project
- **AI-Powered Features:** AI Feature offers 24-hour guidance on the platform. In real-time, it answers customer questions and provides guidance around vehicle selection, as well as helping users make purchases and more.
- **Dynamic Search & Filter Mode:** Offers dynamic filtering experience which enables users to choose from a range of vehicle options according to different criteria such as the vehicle type (car, truck, motorcycle), location, price, availability, and vehicle information ensures that renters can get the best for their needs in a seamless browsing experience.
- **Flexible Billing Arrangements:** Offers several pricing models, different kinds of transactions, and negotiations. AI is used to analyze user preferences and recommend the appropriate payment plan for each rental. This enables users to rent vehicles to fit any need.
- **Real-Time Vehicle Tracking:** Integrating GPS tracking into the system, both vehicle owners and the platform website are able to monitor the location and status of their vehicles in real-time.
- **Identity Verification & Safe Transactions:** Offers safety to its customers, this platform requires users to provide real documents as verification. This confirmation process will help to ensure that both clients and vehicle owners are genuine, which in turn guarantees the transaction environment is safe and secure.
- **Dynamic Payment Integration:** Handle payments in a variety of formats, with mobile wallets and credit cards being just two examples. Users and vehicle owners can also agree to other payment methods or negotiation, such as cash or face-to-face payment in order to avoid any dispute over the final amount paid during the rental process.
- **Rent on the Go:** Customer Rent-a-Car on the move. They can use their mobile phone to go from checking for available vehicles, taking into account vehicle type and all the other details, to finally confirming a rental transaction.
- **Vehicle Listings in a Marketplace Style:** Offers users browse, compare vehicle listings that

are presented in a marketplace-style interface. Every vehicle listing provides detailed information -- vehicle type, rental terms, prices, and more.

- **User-Friendly Interface with Visual Customization:** Offers features a modern, responsive design with customizable appearance options such as dark mode, to enhance comfort, accessibility, and overall user satisfaction across all devices.
- **Notification and Real-Time Updates:** Offers real-time status updates and notifications to users on their own rental status. Included are verification of booking, vehicle availability reminders for pick-ups, and any changes or delays. Users are also reminded that they must complete the return process, meaning both sides are informed throughout a rental period/r, keeping it consistent over which party is responsible for each different aspect of a deal.
- **Receipt generation and Instant Validation:** Provides users with physical as well as digital receipts sent to them by email or within the platform upon a real transaction. These receipts contain the detailed rental terms, transaction information, and confirmation of payment.
- **Multi-Owner Dashboard:** Owners can access a multi-owner dashboard where they are able to monitor and manage the availability of their vehicle. The system provides real-time information on rental activity, status of payments, owner reviews vehicle status. Owners can continually update vehicle details for other users as renters, communicate with customers, and keep their rental goods competitive.
- **Admin Web Interface & Customer Support:** Offers a comprehensive overview of the platform, including reporting for the platform owner (admin) to manage the platform, tracking rentals seamlessly, reviewing audiences, and detailed analytics on platform usage. Additionally, the admin interface provides real-time customer support.

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