

Car Rental proposal

Members:

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Project Vision:

This project aims to develop a modern and user-friendly car rental application that allows customer to easily browse, book, and manage car rentals online. The system will provide real-time car availability, online payment, and efficient management tools for rental companies. The goal is to simplify the car rental process for both users and administrators, ensuring convenience, transparency, and reliability.

Target audience:

The application is designed for individuals who need temporary access to vehicles for travel, business, or personal use, as well as rental agencies that want to manage their fleet, reservations, and customer data efficiently.

Core feature:

Customer:

As a customer, I want to be able to view the available cars with their details (model, price, fuel type, transmission, capacity, etc.) so that I can choose the most suitable car.

As a customer, I want to be able to reserve my desired car for a specific date so that I can ensure it is available at that time.

As a customer, I want to see the rental cost before finalizing my reservation so that I can make an informed decision.

As a customer, I want to be able to create an account so that my reservations are saved and recorded in my history.

As a customer, I want to be able to cancel or modify my reservation so that I can make changes if my plans change.

Manager:

As a manager, I want to be able to add new cars to the system so that the inventory remains up to date.

As a manager, I want to be able to edit car information (price, status, images, and specifications).

As a manager, I want to be able to view and change the status of each car (available, reserved, under maintenance).

As a manager, I want to be able to manage reservations and users so that I can prevent misuse of the system.

As a manager, I want to be able to view financial reports (income, number of rentals, most rented cars, etc.) so that I can evaluate the system's performance

As a manager, I want to be able to remove and add admins so that I can manage my staff.

As a manager, I want to be able to log in to my account so that I can have access to manager features.

Admin:

As an admin, I want to be able to log in so that I can have access to administrator features.

As an admin, I want to be able to add new cars to the system so that the inventory remains up to date.

As an admin, I want to be able to edit car information (price, status, images, and specifications).

As an admin, I want to be able to view and change the status of each car (available, reserved, under maintenance).

As an admin, I want to be able to manage reservations and users so that I can prevent misuse of the system.

As an admin, I want to be able to view financial reports (income, number of rentals, most rented cars, etc.) so that I can evaluate the system's performance.

As an admin, I want to be able to view customer contact information so that I can contact them in case of any issues.

As an admin, I want to be able to approve or reject pending reservations.

Links:

Github repository: <https://github.com/shamimmeschian/SE-Lab-Carrent.git>

Trello Board:

<https://trello.com/invite/b/68fc8a8c8522d4095ee45276/ATTI5212df540d15f92aaef8174f099d6b3b3B31767E/my-trello-board>