RentaCar System

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Road Map

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Product Overview

Product Description: The RentaCar system application is designed to improve the efficiency of renting a car for both customers and employees.

Target Users: The RentaCar application is designed to accommodate the needs of travelling customers intending to rent a car at an airport.

System Requirements

All users must use a valid username and password to log in, or access the RentaCar system application.

- **Customers should be able to**:
  - Search for vehicle
  - Search for a branch
  - Reserve a car
  - Update a car reservation
  - View car rental history
- **Employee should be able to**:
  - Search for vehicle
  - Search for customer
  - View customer reservation history

Use Cases

- **Customer Search** - Employees will be able to search/look-up customers in the RentaCar database.
- **Vehicle Search** - Users will be able to search for vehicles at various RentaCar branch locations.
- **Branch Search** - Customers will be able to search for car rental companies in a particular location.
- **Reserve a Car** - Users will be able to reserve a car online for rental.
- **Update Reservation** - Users will be able to modify the pick-up/drop-off time of rental cars.
- **Cancel Reservation** - Users will be able to cancel car rental reservations.
- **Access Rental History Log** - Users will be able to view records of previous car rentals.

Plan of Work

Iteration Period Length: 1-2 weeks

- Get a window to appear in the GUI
- Add a Customer tab to the GUI
    - Get a list of customers to appear in the tab
- Add a Car tab to the GUI
    - Get a list of cars to appear in the window
    - Upon selecting a car, a pop up window will appear prompting the user to enter pick-up and drop-off times to complete the registration process
- Add a Branch tab to the GUI
    - Get a list of branch locations to appear in the tab
- Add a Reservation tab to the GUI
    - Get a list of reservations to appear in the tab

*Once the GUI has been constructed, the code for the Cars, Customers, Branch, and Reservation classes will be fully implemented to complete the project.

THE END