DOCUMENTATION ASSIGNMENT1 OOP2 JAVA RURU CAR RENTAL SYSTEM

. CarRentalSystem Class:

This class includes the main method and acts as the entry point for the application. It facilitates user interaction, showcases available cars, processes rental requests, and confirms bookings.

Car Class:

This class represents a car within the rental agency's inventory. Each car has the following attributes:

- License Plate: A unique identifier for the vehicle

- Make: The manufacturer of the car

- Model: The specific model of the car

- Availability Status: Indicates if the car is available for rent

- Daily Rate: The cost to rent the car per day

. Customer Class:

This class represents a customer eligible to rent cars. Each customer has:

- ID: A unique identifier for the customer

- Name: The name of the customer

- Contact Information: Email address or phone number

. RentalAgency Class:

This class manages the entire rental system. It keeps track of:

- A list of all cars in the inventory

- A list of all customers

- A record of current rentals (which customer has rented which car)

functionalities include:

- Adding cars to the inventory

- Adding customers to the system

- Renting cars to customers

- Retrieving lists of available cars and customers