User Guide: Car Rental System

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**Customer Use**

P1 - Login Screen:

**Text

Description automatically generated**

When the app starts, you will be greeted by a login screen. To login, you will have to enter a default password (pass). If successful, you will be greeted with the message “Access Granted” and can press any key to continue. If the wrong password is entered, you can decide if you want to try again, just press any key to continue. “Y” will start the process over, and any other response will stop the app.

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P2 – Select Car to Rent:

A screenshot of a computer

Description automatically generated

The next screen you will see once you successfully log into the rental system will be asking you to enter your name and select your car of choice. Simply enter your name, press enter and select between numbers 1-3 on your keyboard to choose your preferred car. Once more, press enter, and you will enter the next screen. If the model number is invalid, you will be asked to try again. Must be 1, 2, or 3.

P3 – Specifications/Information:

A screenshot of a computer

Description automatically generated with medium confidence

The following screen will showcase the specifications of the car you rented and will ask you to provide the following information: the number of days you wish to rent it for, and the distance to your destination (km). The system asks for this information to calculate the amount you will owe for renting the car. Once your information is entered, just press continue to enter the final screen.

P4 – Car Rental- Customer Invoice Screen:

A screenshot of a computer

Description automatically generated with medium confidence

The system will take a few seconds to calculate you how much you will owe for renting the car. This rent fee is calculated based off the car model (car rate), number of days the car will be rented for (car rate \* # of days rented), and distance to the destination (distance \* fee per KM traveled). In this case, the car rate is 60, and we rent it for 5 days. So, 60 \* 5 = 300. Next, we travel 50 KM, and we are charged $0.5 per km. So, 50 n\*0.5 = 25. Altogether, 300 + 25 =325.

All our information and calculations are determined in this final screen, in which all you have to do is press any key to continue and the process is complete. Great job, you have rented a car.

**Admin Use**

From the login screen, inputting the password “admin” allows access to the admin commands, from which the price rates involved in each type of car as well as the general cost per kilometer traveled while rented can be set.

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A1 – Admin Menu:

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From this simple screen you can select from two options to modify cost variables for the car rental service or to log out from admin controls back to the login screen of the application.

A2 – Adjust Cost per Day of a Car Model:

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In this example, we change the per day rental fee for the Tesla to $95.

A screenshot of a computer

Description automatically generated with medium confidence

After backing out and logging in as a customer and selecting that model of car, we can prove in the cost breakdown that the rate has successfully been changed to $95 per day.

A3 – Adjust Cost per Kilometer Traveled:

Text

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With the other option we adjust the cost variable for the fee based on how far the customer intends to travel with the rental car. We change the rate to $2.50/km in this example here.

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Description automatically generated

And highlighted in this screenshot we can see in the cost breakdown to the customer that the fee per km is indeed now $2.50.