

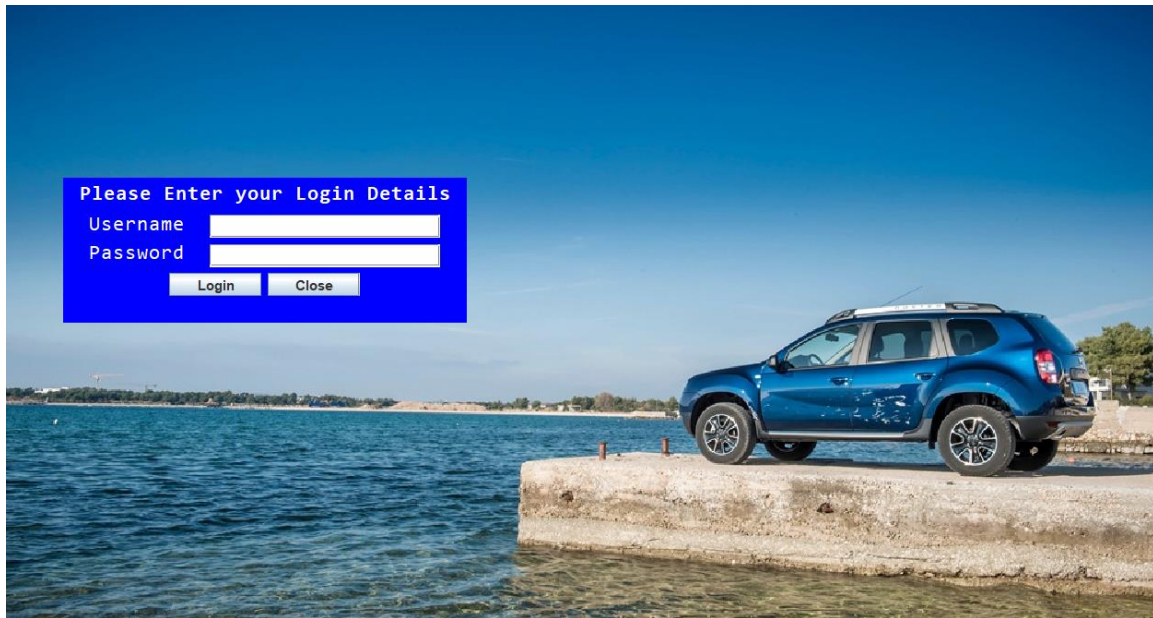
The Documentation of Rent-a-Car-Management-System

Created by
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Log In Menu



The Username is: admin

The Password is: 123

And then, please click the button “Login” to log in this system.

If you want to exit this system, please click the button “Close”.

Main Menu



1.1 Access to Panels

Click the button “Booking Details” to access to the panel for booking and unbooking a car.

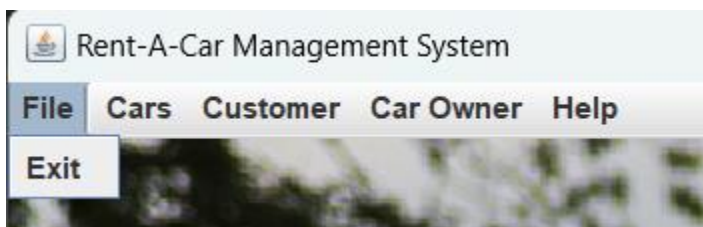
Click the button “Customer” to access to the panel to manage the customers.

Click the button “Owner” to access to the panel to manage the owners.

Click the button “Cars” to access to the panel to manage the cars.

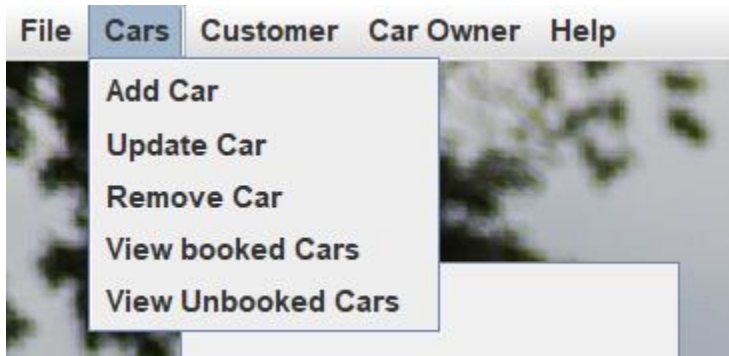
1.2 Top Bar

Click the button “File” to access the button “Exit”.



And click the button “Exit” to exit this system.

Click the button “Cars” to access the button lists.



“Add Car”: to add a new car

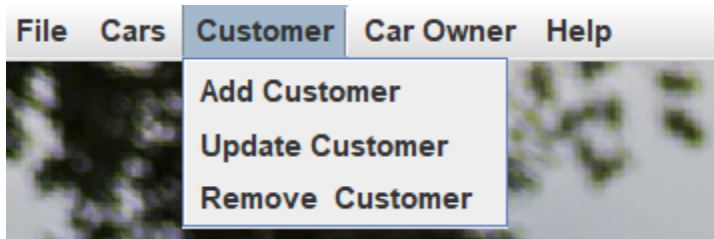
“Update Car”: to update a car

“Remove Car”: to remove a car

“View booked Cars”: list all cars that has been booked

“View Unbooked Cars”: list all cars that has not been booked

Click the button “Customer” to access the button lists.

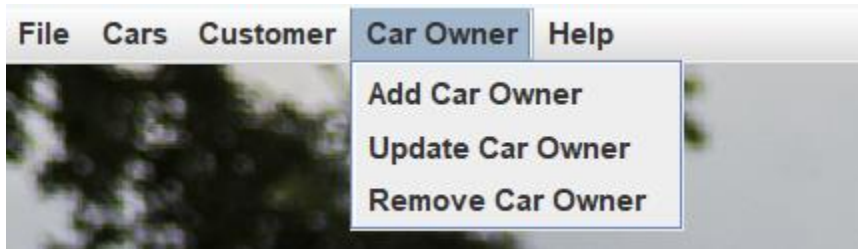


“Add Customer”: to add a new customer.

“Update Customer”: to update a customer.

“Remove Customer”: to remove a customer.

Click the button “Car Owner” to access the button lists.

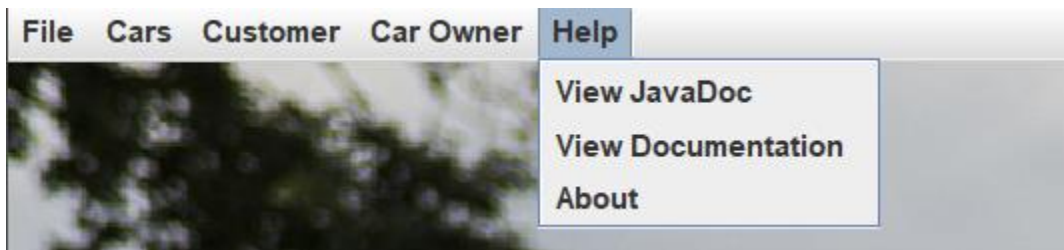


“Add Car Owner”: to add a new car owner.

“Update Car Owner”: to update a car owner.

“Remove Car Owner”: to remove a car owner.

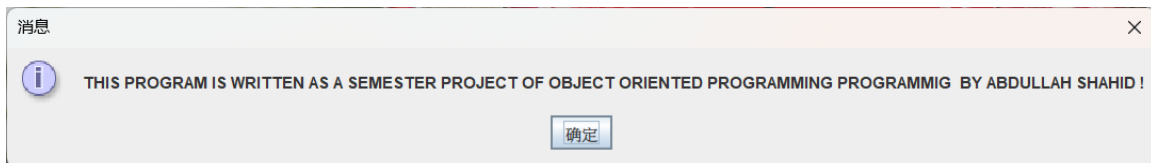
Click the button “Car Owner” to access the button lists.



“View JavaDoc”: open the pdf of the java documentation.

“View Documentation”: open the pdf of the java documentation.

“About”: show the message about the writer.



1.3 Logout

Click the “Logout” button to log out this account and back to the Log in menu.

Booking Details Panel

Sr#	ID	Customer ID+Name	Car Name	Rent Time	Return Time
1	1	1: Muhammad Ali	4: Corvette	13:27 下午 28-12-2018	13:27 下午 28-12-2018
2	2	6: Qasim Ali Shah	3: A4	13:28 下午 28-12-2018	Not returned yet !
3	3	8: asli	5: Veyron	13:36 下午 28-12-2018	23:52 下午 06-01-2019
4	4	1: Muhammad Ali	1: Aqua	17:48 下午 13-05-2024	17:48 下午 13-05-2024
5	5	1: Muhammad Ali	1: Aqua	17:49 下午 13-05-2024	17:49 下午 13-05-2024
6	6	8: asli	4: Corvette	17:52 下午 13-05-2024	Not returned yet !

1.1 Search Booking Records by Car RegNo

Input the register No. of the required car in the next text bar, and then click the button “Search by Car RegNo” to view the list of all booking records containing this car.

The format of the register No. is “letters-numbers”.

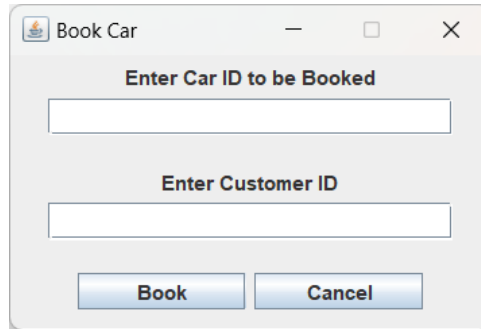
1.2 Search Booking Records by Customer ID

Input the ID of the required customer in the next text bar, and then click the button “Search by Customer ID” to view the list of all booking records containing this customer.

The format of the ID is integers.

1.3 Book

Click the button “Book” to add a new booking record. This window would show up.

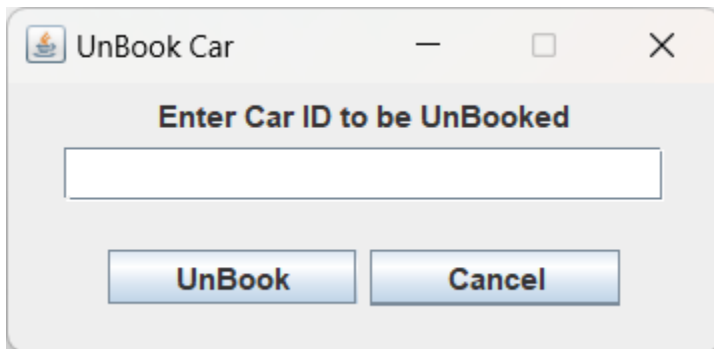


Please input the Car ID and Customer ID and click the button “Book” to perform a booking process and add a new booking record.

If you want to cancel this booking, please click “Cancel” button.

1.4 Unbook

Click the button “Unbook” to add a return a booking record with the current time as the “Return Time”. This window would show up.



And after inputting the car ID and clicking the button “UnBook”, the booking record would be changed to returned and the “Return Time” would be the current time.

Customer Panel

Sr#	ID	CNIC	Name	Contact Number	Car Rented	Bill
1	1	2323232323232	Muhammad Ali	03442232323	No Cars Booked 1	6400
2	6	3040304030403	Qasim Ali Shah	03432234234	3. 3	0
3	8	3040304030444	asli	03456789087	No Cars Booked 14: 4	1017000

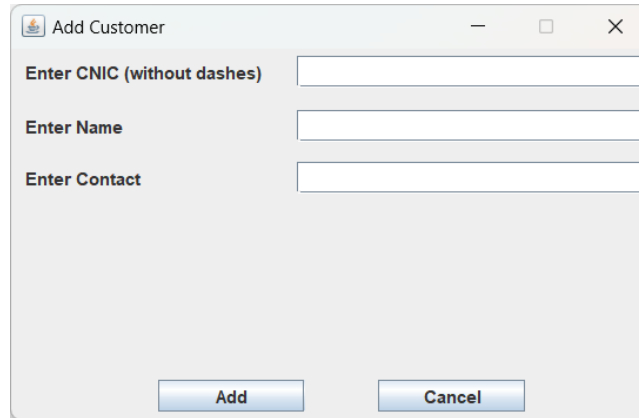
1.1 Search Customer by Name or ID Number

The text bar next to the button “Search Name” can be inputted as the name of the customer, and it would search customer by his/her name.

And the “Search ID” can search customer by his/her ID number.

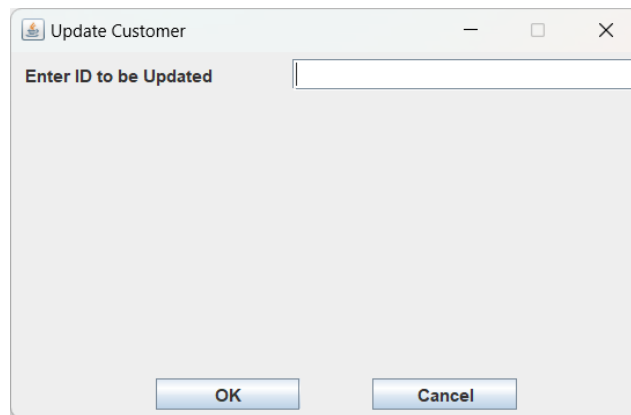
1.2 Add/Update/Remove Customer

The button in the bottom of this window “Add” can be clicked and this window would be displayed.

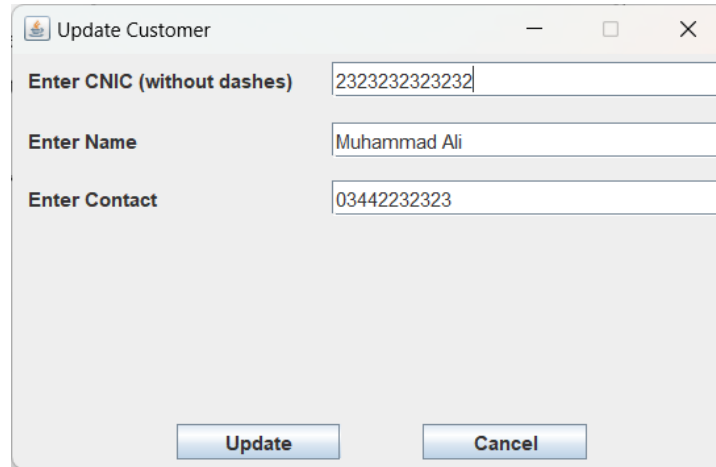
A dialog box titled "Add Customer" with a standard Windows-style title bar (minimize, maximize, close buttons). It contains three input fields stacked vertically. The first is labeled "Enter CNIC (without dashes)", the second "Enter Name", and the third "Enter Contact". At the bottom of the dialog are two buttons: "Add" and "Cancel".

It allows the administrator to add a new customer by inputting the CNIC number, name and the Contact number (usually phone number).

And by clicking the button “Update”, this window would show.

A dialog box titled "Update Customer" with a standard Windows-style title bar. It contains a single input field labeled "Enter ID to be Updated". At the bottom of the dialog are two buttons: "OK" and "Cancel".

It can search a specific customer by his/her ID number. For example, ID 1 is inputted and this window would show.

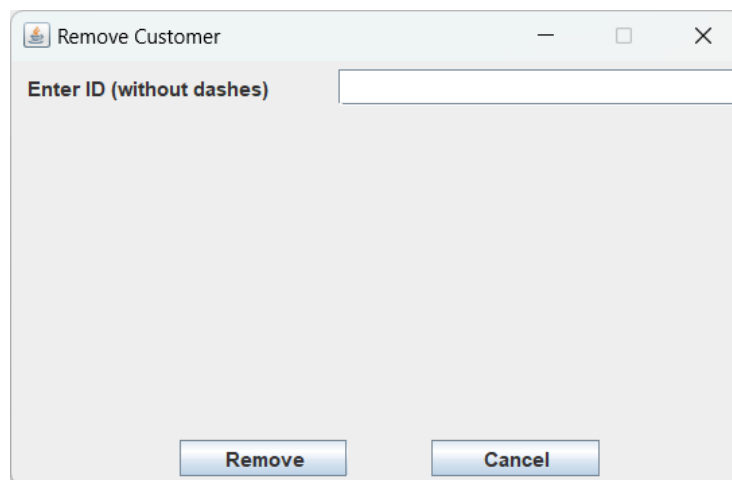
A dialog box titled "Update Customer" with a standard Windows-style title bar (minimize, maximize, close buttons). It contains three input fields: "Enter CNIC (without dashes)" with the value "2323232323232", "Enter Name" with the value "Muhammad Ali", and "Enter Contact" with the value "03442232323". At the bottom, there are two buttons: "Update" and "Cancel".

Enter CNIC (without dashes)	2323232323232
Enter Name	Muhammad Ali
Enter Contact	03442232323

Update Cancel

And the CNIC, name and contact can be modified in this window.

And by clicking the button “Remove”, this window would show.

A dialog box titled "Remove Customer" with a standard Windows-style title bar. It contains one input field: "Enter ID (without dashes)". At the bottom, there are two buttons: "Remove" and "Cancel".

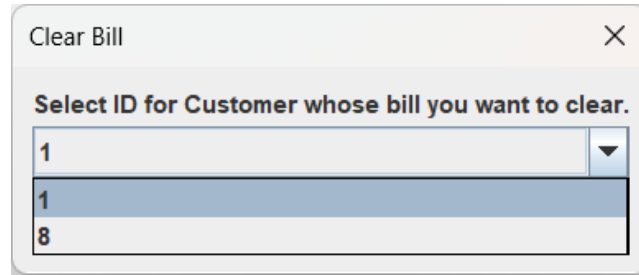
Enter ID (without dashes)	
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Remove Cancel

You can enter the customer’s ID number to remove this customer.

1.3 Add/Update/Remove Customer

By clicking the “Clear Bill” button, this window would display.



A dialog box titled "Clear Bill" with a close button (X) in the top right corner. Below the title bar, the text "Select ID for Customer whose bill you want to clear." is displayed. Underneath this text is a list box containing two items: "1" and "8". The item "1" is currently selected, highlighted with a blue background. The list box has a small downward arrow on its right side.

It would show all the customers who have unpaid bill, and you can choose one to clear the bill.

Owner Panel

Sr#	ID	CNIC	Name	Contact Number	Car Given for rent	Balance
1	1	3040304038483	Talha Zubair	03425675675	1: Aqua 3. A4	1200
2	3	3443434343434	Ahmad Ali	03424234234	4: Corvette	4000
3	4	3440304030403	Abdullah	03423423342	5: Veyron	1017000

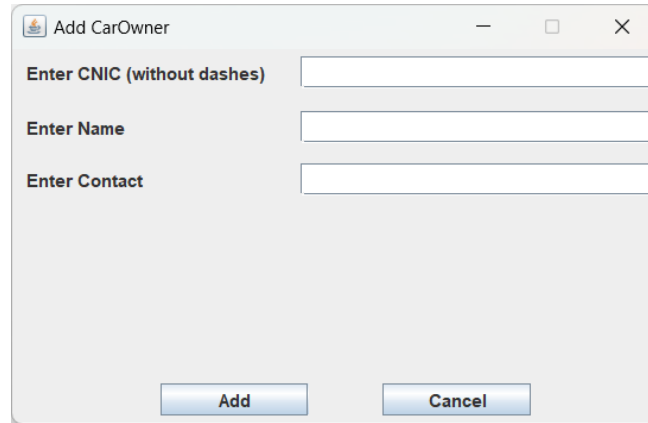
1.4 Search Car Owner by Name or ID Number

The text bar next to the button “Search Name” can be inputted as the name of the car owner, and it would search car owner by his/her name.

And the “Search ID” can search car owner by his/her ID number.

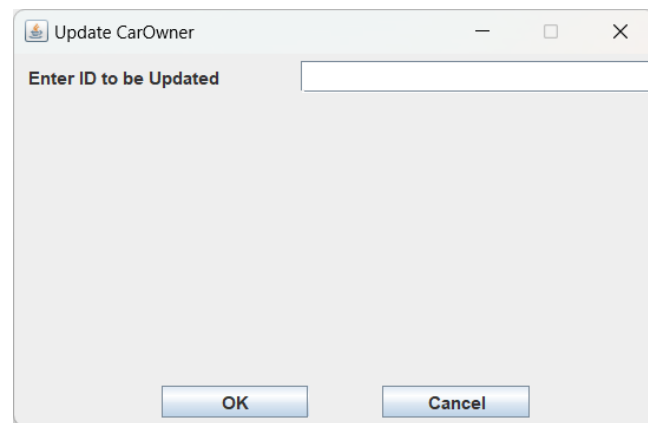
1.5 Add/Update/Remove Car Owner

The button in the bottom of this window “Add” can be clicked and this window would be displayed.

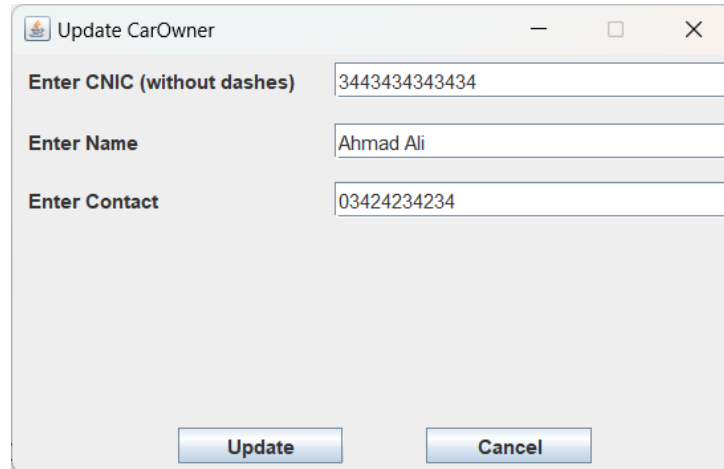
A dialog box titled "Add CarOwner" with a standard Windows-style title bar (minimize, maximize, close buttons). It contains three text input fields stacked vertically. The first field is labeled "Enter CNIC (without dashes)", the second is labeled "Enter Name", and the third is labeled "Enter Contact". At the bottom of the dialog, there are two buttons: "Add" and "Cancel".

It allows the administrator to add a new car owner by inputting the CNIC number, name and the Contact number (usually phone number).

And by clicking the button “Update”, this window would show.

A dialog box titled "Update CarOwner" with a standard Windows-style title bar (minimize, maximize, close buttons). It contains a single text input field labeled "Enter ID to be Updated". At the bottom of the dialog, there are two buttons: "OK" and "Cancel".

It can search a specific car owner by his/her ID number. For example, ID 3 is inputted and this window would show.

A dialog box titled "Update CarOwner" with a standard Windows-style title bar (minimize, maximize, close buttons). It contains three text input fields. The first field is labeled "Enter CNIC (without dashes)" and contains the text "34434343434". The second field is labeled "Enter Name" and contains the text "Ahmad Ali". The third field is labeled "Enter Contact" and contains the text "03424234234". At the bottom of the dialog, there are two buttons: "Update" and "Cancel".

Update CarOwner

Enter CNIC (without dashes) 34434343434

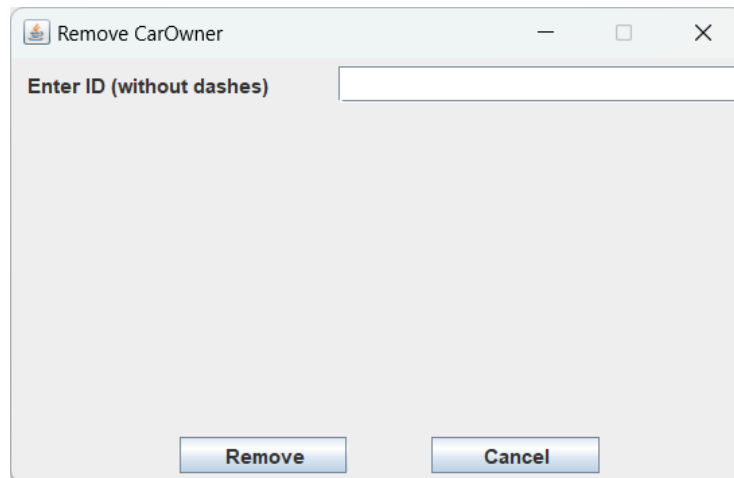
Enter Name Ahmad Ali

Enter Contact 03424234234

Update Cancel

And the CNIC, name and contact can be modified in this window.

And by clicking the button “Remove”, this window would show.

A dialog box titled "Remove CarOwner" with a standard Windows-style title bar (minimize, maximize, close buttons). It contains a single text input field labeled "Enter ID (without dashes)". At the bottom of the dialog, there are two buttons: "Remove" and "Cancel".

Remove CarOwner

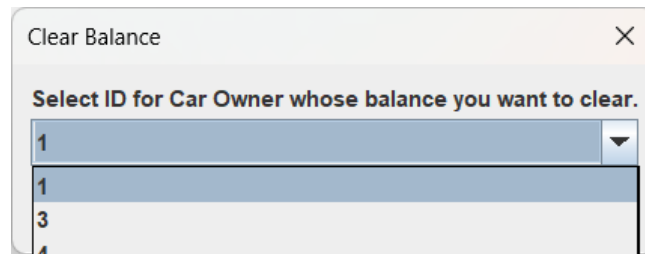
Enter ID (without dashes)

Remove Cancel

You can enter the car owner’s ID number to remove this car owner.

1.6 Clear Balance

By clicking the “Clear Balance” button, this window would display.



A screenshot of a 'Clear Balance' dialog box. The dialog has a title bar with 'Clear Balance' and a close button (X). Below the title bar is a label 'Select ID for Car Owner whose balance you want to clear.' followed by a list box. The list box contains four items: '1', '1', '3', and '4'. The first '1' is selected and highlighted in blue. The list box has a small downward arrow button on its right side.

ID
1
1
3
4

It would show all the car owners who have remain balance, and you can choose one to clear.

Car Panel

Sr#	ID	Maker	Name	Colour	Type	Seats	Model	Condition	Reg No.
1	1	Toyota	Aqua	White	Familycar	4	2018	Excellent	GE-342
2	3	Audi	A4	Black	Familycar	4	2017	Good	RIL-456
3	4	Chevrolet	Corvette	Blue	Sports cars	2	2015	Excellent	HS-900
4	5	Bugatti	Veyron	Black	Supercar	2	2018	Excellent	LH-745

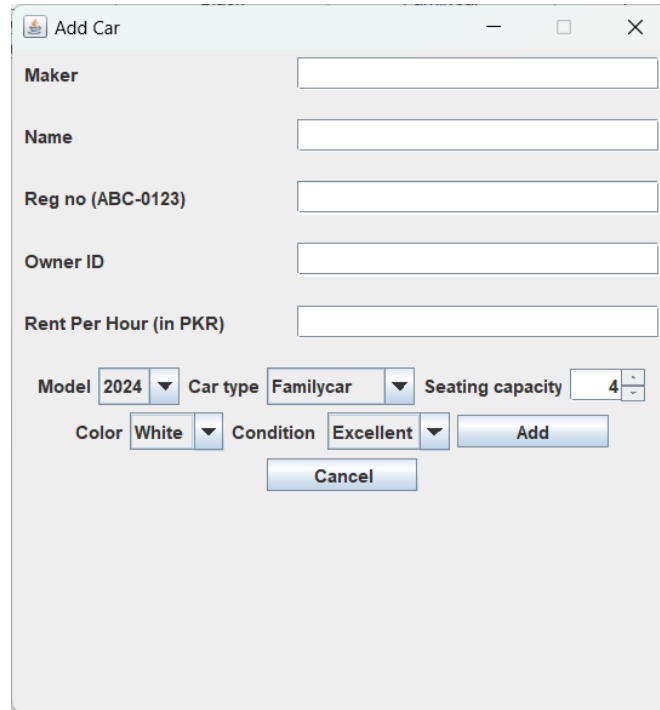
1.1 Search Car by Register Number or Name

The text bar next to the button “Search Reg_No” can be inputted as the register number of the car, and it would search car by its register number.

And the “Search Name” can search car by its Name.

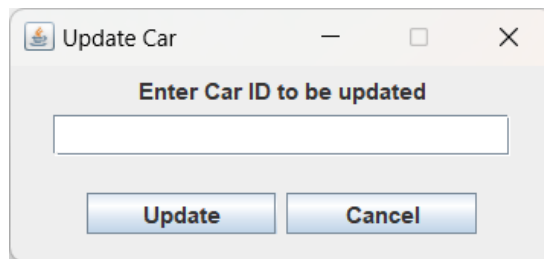
1.2 Add/Update/Remove Car

The button in the bottom of this window “Add” can be clicked and this window would be displayed.

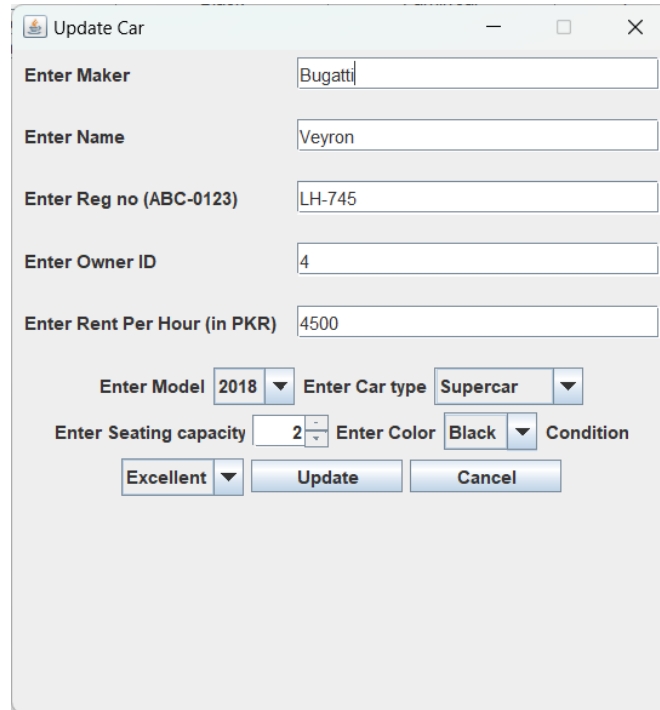
A dialog box titled "Add Car" with a standard Windows window frame (minimize, maximize, close buttons). It contains several input fields and dropdown menus. The fields are: "Maker" (text input), "Name" (text input), "Reg no (ABC-0123)" (text input), "Owner ID" (text input), and "Rent Per Hour (in PKR)" (text input). Below these are three dropdown menus: "Model" (showing "2024"), "Car type" (showing "Familycar"), and "Seating capacity" (showing "4"). At the bottom are two more dropdown menus: "Color" (showing "White") and "Condition" (showing "Excellent"). To the right of the "Condition" dropdown is an "Add" button, and below it is a "Cancel" button.

It allows the administrator to add a new car by inputting the maker, name, register number, car owner ID and the price of rent per hour. And the model, car type, seating capacity, color and condition can be selected using the drop-down options.

And by clicking the button “Update”, this window would show.

A dialog box titled "Update Car" with a standard Windows window frame. It has a light orange header bar. Below the header, it says "Enter Car ID to be updated" in bold. There is a single text input field for the car ID. At the bottom, there are two buttons: "Update" and "Cancel".

It can search a specific car by its ID number. For example, ID 5 is inputted and this window would show.

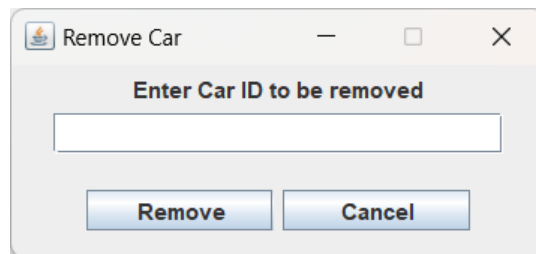


The 'Update Car' dialog box contains the following fields and controls:

- Enter Maker:** Text input field with 'Bugatti'.
- Enter Name:** Text input field with 'Veyron'.
- Enter Reg no (ABC-0123):** Text input field with 'LH-745'.
- Enter Owner ID:** Text input field with '4'.
- Enter Rent Per Hour (in PKR):** Text input field with '4500'.
- Enter Model:** Dropdown menu showing '2018'.
- Enter Car type:** Dropdown menu showing 'Supercar'.
- Enter Seating capacity:** Spin box showing '2'.
- Enter Color:** Dropdown menu showing 'Black'.
- Condition:** Dropdown menu showing 'Excellent'.
- Buttons:** 'Update' and 'Cancel' buttons.

And all the properties can be modified in this window.

And by clicking the button “Remove”, this window would show.



The 'Remove Car' dialog box contains the following fields and controls:

- Enter Car ID to be removed:** Text input field.
- Buttons:** 'Remove' and 'Cancel' buttons.

You can enter the car’s ID number to remove this car.