

User Guide for Car Rental Database Management System  
By Hunter Crouch, Julian Garcia and Agustin Sandoval

### Using the Main Menu:

Our program begins with the Main Menu

In the main menu you are given 5 options to choose from.

Each option leads to a new menu with the exception of 5.) which is used

To quit the program.

### Testing the Customer's Option:

```
C:\Windows\System32\cmd.exe - java Main
#####
Select an option:
1.) Customers
2.) Vehicles
3.) Employees
4.) Payment
5.) Quit
#####
```

The new menu has an additional 6 options to choose from. That allow the

User to Modify, Search, Delete, Add, Print a full report or Return to the Main Menu.

Testing the First option/ Search ID By entering 1, then entering an existing ID in the Database:

```
1
You selected 1
~~~~~
Select an option:
1.) Search ID/Name
2.) Add
3.) Remove
4.) Modify
5.) Print Report
6.) Main Menu
~~~~~
```

We are led to an individual report that holds all the the information Associated with the ID entered. We are then led back to the previous menu. Testing selecting first option and entering an non-existing ID:

```
You selected 1
Enter customer ID to search:
200
Customer id: 200
Customer name: Eduardo
Customer Address: mexio
Pick up time: 3/26/2023
Drop off time: 3/28/2023
License: weis-29
Insurance company: Allstate
Credit card Number: 2340-5432-8587-3425
Number of Previous rentals: 0
Car was Late
Customer has appointment

~~~~~
Select an option:
1.) Search ID/Name
2.) Add
3.) Remove
4.) Modify
5.) Print Report
6.) Main Menu
~~~~~
```

After entering an non-existing Id the program lets the user know And returns back to the previous menu. Testing adding a customer by selecting 2:

```
~~~~~
1
You selected 1
Enter customer ID to search:
2000
The id selected does not exist
~~~~~
Select an option:
1.) Search ID/Name
2.) Add
3.) Remove
4.) Modify
5.) Print Report
6.) Main Menu
~~~~~
```

After selecting option 2, and entering the requested information. We are brought back to The previous menu. Caution: pick up time and drop off time need to be entered in the Correct format.

Testing removing a customer from the database by selecting the 3rd option and entering the ID that we want to remove(an existing customer in the database) using the ID associated With the customer(200).

```
2
You selected 2
Enter customer ID to Add:
207
enter cust Name:
John
enter cust Address:
245 E usa st
enter pick up time in mm/dd/yyyy format:
02/10/2023
enter drop off time in mm/dd/yyyy format:
02/14/2023
enter License number:
erv-234
enter insurance company:
Liberty
enter credit card number:
1290-4657-3234-8475
Does the customer have an appointment? enter 1 for yes and 0 for no:
1
is the car late 1 is yes 0 is no:
1
~~~~~
Select an option:
1.) Search ID/Name
2.) Add
3.) Remove
4.) Modify
5.) Print Report
6.) Main Menu
~~~~~
```

The customer is deleted from the database and we are brought back to the previous menu. We then test the Modify option by entering 4. And choosing to modify the customer with ID 203:

```
You selected 3
Enter customer ID:
200
~~~~~
Select an option:
1.) Search ID/Name
2.) Add
3.) Remove
4.) Modify
5.) Print Report
6.) Main Menu
~~~~~
```

After making the changes the database is updated and we are brought back to the previous menu. We then test option 5 which prints a full report of the customers in the database:

```
4
You selected 4
Enter customer ID:
203
enter cust Name:
Phil
enter cust Address:
456 w 1st st
enter pick up time in mm/dd/yyyy:
03/12/2023
enter drop off time in mm/dd/yyyy:
03/13/2023
enter License number:
beu-456
enter insurance company:
Allstate
enter credit card number:
3546-3649-3475-8293
Does the customer have an appointment? enter 1 for yes and 0 for no:
0
is the car late 1 is yes 0 is no:
0
~~~~~
Select an option:
1.) Search ID/Name
2.) Add
3.) Remove
4.) Modify
5.) Print Report
6.) Main Menu
~~~~~
```

After the full report is printed we are brought back to the previous menu.  
If we select option 6 we are brought to the Main menu

```
~~~~~
5
You selected 5
Customer id: 201
Customer name: Emma
Customer Address: usa
Pick up time: 2/10/2023
Drop off time: 2/15/2023
License: vfre-59
Insurance company: Progressive
Credit card Number: 3456-3265-7965-4930
Number of Previous rentals: 1
Car was Late
Customer does not have appointment

Customer id: 203
Customer name: Phil
Customer Address: 456 w 1st st
Pick up time: 03/12/2023
Drop off time: 03/13/2023
License: beu-456
Insurance company: Allstate
Credit card Number: 3546-3649-3475-8293
Number of Previous rentals: 4
Car was not Late
Customer does not have appointment

Customer id: 207
Customer name: John
Customer Address: 245 E usa st
Pick up time: 02/10/2023
Drop off time: 02/14/2023
License: erv-234
Insurance company: Liberty
Credit card Number: 1290-4657-3234-8475
Number of Previous rentals: 0
Car was Late
Customer has appointment

~~~~~
Select an option:
1.) Search ID/Name
2.) Add
3.) Remove
4.) Modify
5.) Print Report
6.) Main Menu
~~~~~
```

The customer's option is very similar in the way the other options work (Vehicle, Employee, and Payment)

Once in the main menu we can check out the payments option.

The payments option keeps track of all payments, and allows you to create a new payment using an existing vehicle and customer id. Then you can search for it.

```
6
You selected 6
~~~~~
Select an option:
1.) Customers
2.) Vehicles
3.) Employees
4.) Payment
5.) Quit
~~~~~
```

Selecting option 4 takes us to the Payments Menu

```
~~~~~
Select an option:
1.) Customers
2.) Vehicles
3.) Employees
4.) Payment
5.) Quit
~~~~~
4
You selected 4
~~~~~
Select an option:
1.) Search ID/Name
2.) Add
3.) Remove
4.) Modify
5.) Print Report
6.) Main Menu
~~~~~
```

Once in the payment menu we can add a payment by  
Selecting 2.

Caution: the option for if clean up is necessary has to be answered in true or false format.

```
You selected 2
Enter customer ID to search:
200
Enter vehicle ID to search:
1004
enter the new mileage of the vehicle(old mileage:120135):
120149
enter date of pickup date(mm/dd/yyyy)
10/02/2023
enter date of dropoff date(mm/dd/yyyy)
10/04/2023
is discount applied(true or false):
true
enter percentage off as whole number:
20
was cleanup necessary:
false
137.24
*****
Select an option:
1.) Search ID/Name
2.) Add
3.) Remove
4.) Modify
5.) Print Report
6.) Main Menu
*****
4
```

After inserting the required information we are brought back the previous menu. From there we can search for the payment using the customer's id. using the recent id used to make the new payment 200



```
1
You selected 1
Enter customer ID of the payment needs to be searched:
200
Miles driven:14.0
Pickup: 2023-10-02
Dropoff: 2023-10-04
Discount applied: true
Discount Percentage: 0.8
Cleanup needed: false
Total:137.24
~~~~~
Select an option:
1.) Search ID/Name
2.) Add
3.) Remove
4.) Modify
5.) Print Report
6.) Main Menu
~~~~~
```

Finally we can choose to exit the program by selecting option 5 in the main menu

```
~~~~~
Select an option:
1.) Search ID/Name
2.) Add
3.) Remove
4.) Modify
5.) Print Report
6.) Main Menu
~~~~~
6
You selected 6
~~~~~
Select an option:
1.) Customers
2.) Vehicles
3.) Employees
4.) Payment
5.) Quit
~~~~~
5
You selected 5
bye.
```