Module: GUI Design and Database Connection

Module Code: COMP4604

Course Code: TU819/4

Course Group: Group A/B

Student Names: Jason Leonard & Brian Twene

Student IDs: C19500766, C19344543

Submission Date: 04/12/2022

Topic: Vehicle Dealership/Rental System

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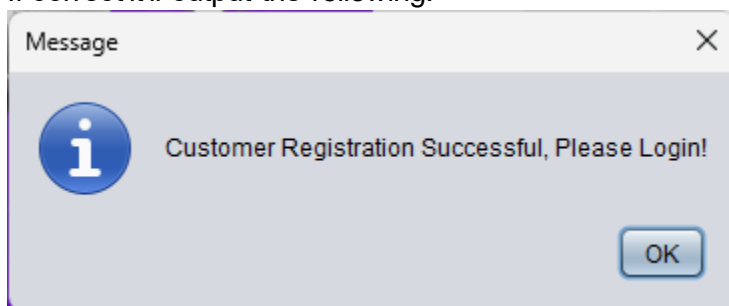
Introduction

This test record document is based on a software solution for a vehicle dealership which allows a user to both purchase vehicles, rent vehicles and return vehicles when they're finished using them. Additionally, the program also allows an admin to alter a user's and vehicles table which is located within a Microsoft Access database, and allows the admin to add, edit, and remove information from their respective tables. Our application also features stock and inventory control and allows management to print a list of users and a list of our stock and inventory. Lastly, an admin is also able to use this program to check overdue accounts for people who have not returned their rented vehicle.

Register Page (Customer)

If correct it'll output the following:

Login Page (Customer)
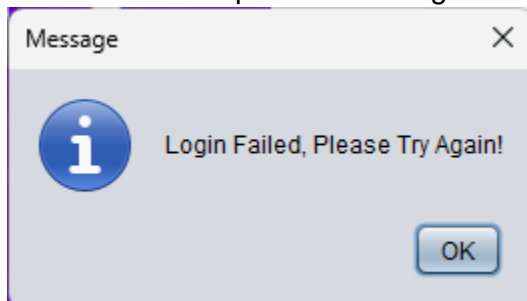

If correct it'll output the following:
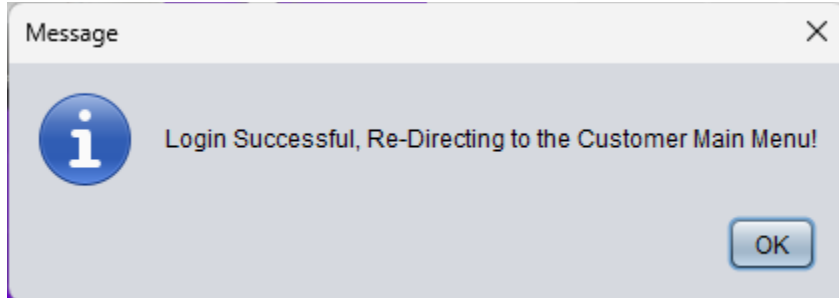
If incorrect it'll output the following:

Reset Password Page (Customer)

RESET

X

JohnBingo

••••••

(Old Password)

••••••

(New Password)

Login Page   Register Page   Reset

If correct it'll output the following:

Message   ×

(i) Username and Password Found, Resetting Password Now!

OK

If correct it'll output the following:

Message   ×

(i) Wrong Credentials, Please Try Again!

OK
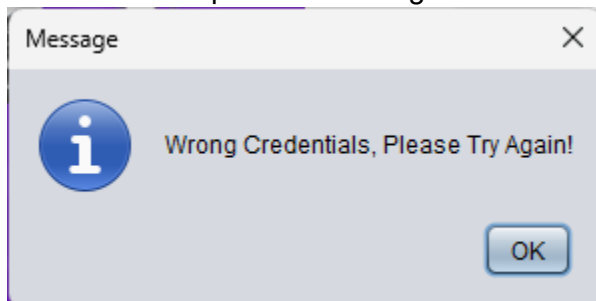
Main Menu Page (Customer)

RENT & PURCHASE VEHICLES

X

Click the Car to Rent & Purchase Vehicles

Logout

Exit Program

Home Page (Customer)

Rental / Purchases Page (Customer)

Here we'll click "Buy" on the "Luxury" vehicle.

Purchasing a Vehicle (Customer)
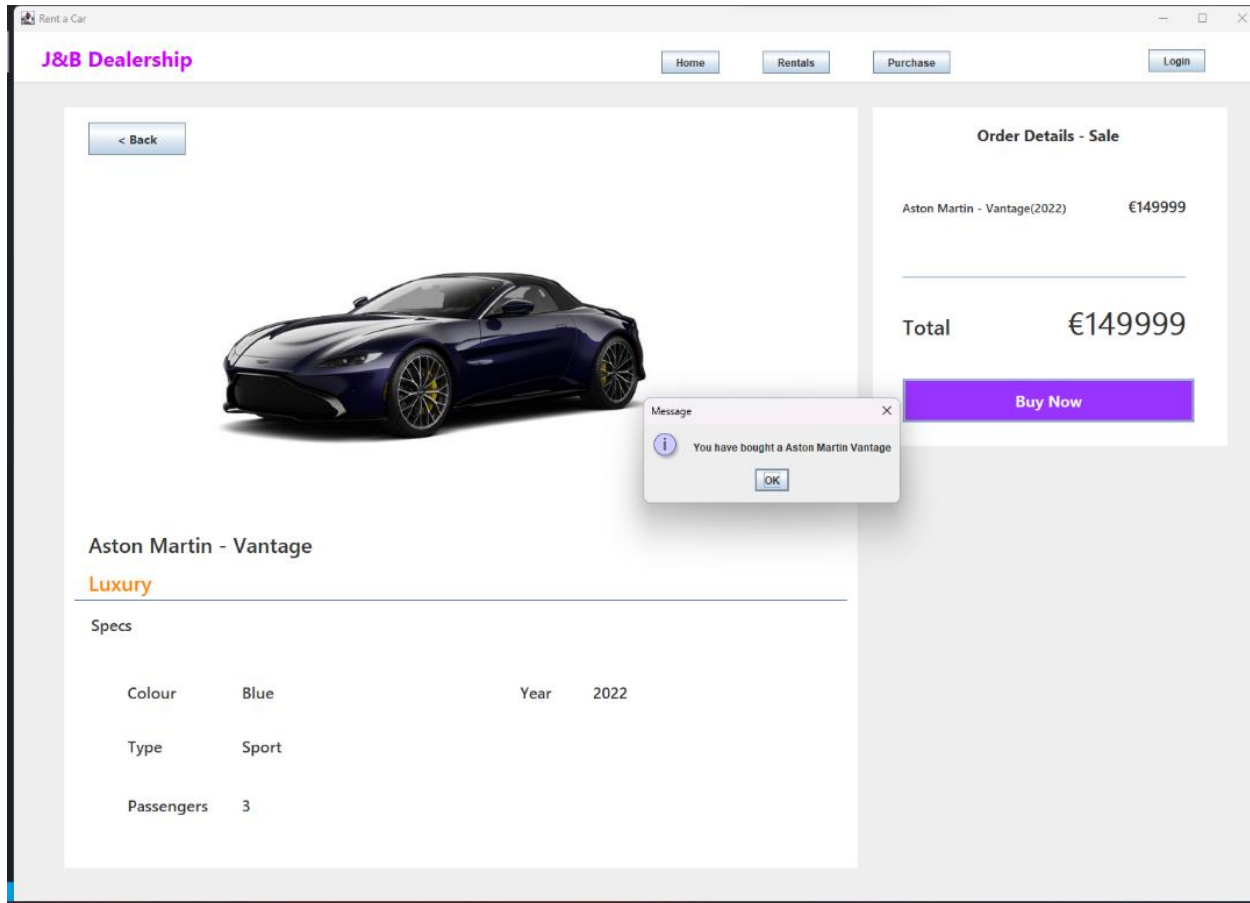
The vehicle once we pressed "Buy Now" has been added to the "Purchase" table.

After we've clicked on the "Luxury" vehicle is shows the above, and when we click "Buy Now" it'll add the car into the "Purchase" table.

Current Rentals (Customer)

We choose our location and then click "Return".

Afterwards we then have to confirm our option and we get this dialog above, stating "OK".

Once we press "OK", the vehicle gets added into our "Rental" history. The same occurs for when we purchase a vehicle, it then gets added into our "Purchase" history.
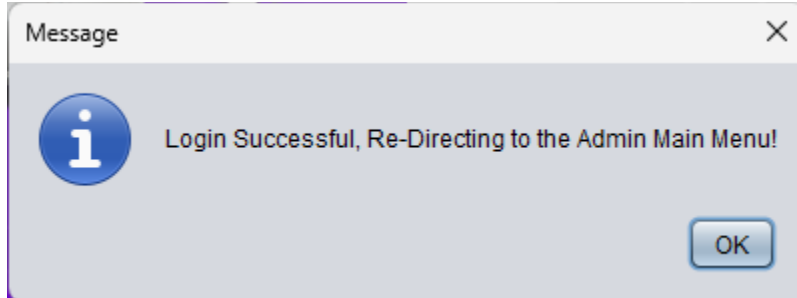
Login Page (Admin)
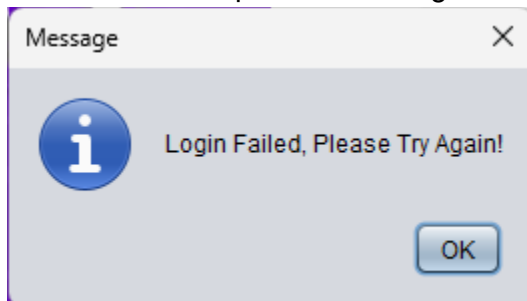

If correct it'll output the following:

If incorrect it'll output the following:

Main Menu (Admin)
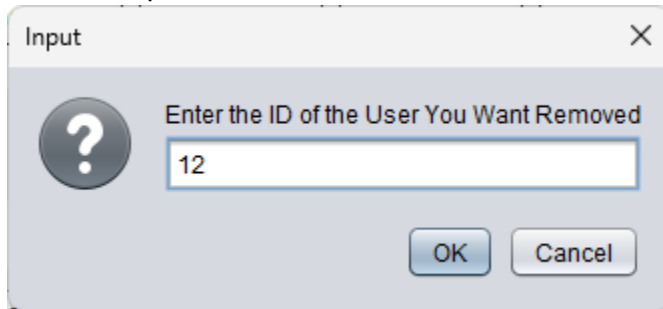
Manage Customers Page (Admin)

MANAGE CUSTOMERS

| | Username | ******* | First Name | Last Name | Gender |

Add   Edit   Delete

CUSTOMERS LIST

Customer ID	Username	Password	First Name	Last Name	Gender	Rent ID
2	JohnSmith	******	John	Smith	Male	2
6	SamJohnson	******	Sam	Johnson	Male	0
12	JohnBingo	******	John	Bingo	Male	0
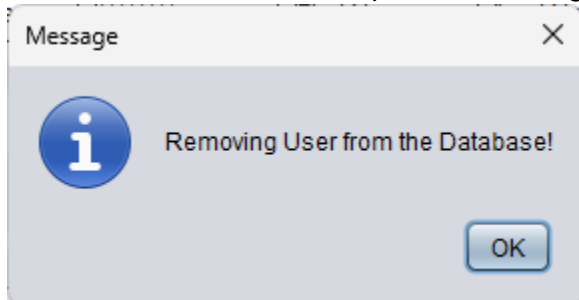
Main Menu   Manage Vehicles

We then input the ID of a user we want to remove.

If ID has been found, it'll output the following:

It'll then display the user has been removed in our table below:

MANAGE CUSTOMERS

| | Username | ******** | First Name | Last Name | Gender |

Add | Edit | Delete

CUSTOMERS LIST

Customer ID	Username	Password	First Name	Last Name	Gender	Rent ID
2	JohnSmith	******	John	Smith	Male	2
6	SamJohnson	******	Sam	Johnson	Male	0

Main Menu | Manage Vehicles

Manage Vehicles Page (Admin)

We then input the ID of a user we want to remove.

If ID has been found, it'll output the following:

It'll then display the vehicle has been removed in our table below:

MANAGE VEHICLES

	Make	Model	Year	Colour
	Price	Type	Booked ▼	Passengers	Rarity

[Add] [Edit] [Delete]

VEHICLES LIST

Vehicle ID	Make	Model	Year	Colour	Price	Type	Availability	Passengers	Rarity
1	Aston Martin	Vantage	2022	Blue	TRUE	149999	Sport	Luxury	3
2	Alfa Romeo	4C	2018	Black	FALSE	49999	Sport	Premium	1
4	Toyota	Camry	2020	Silver	TRUE	39999	Sedan	Standard	4
5	Toyota	Yaris	2016	Yellow	TRUE	14999	Compact	Budget	4
6	BMW	M5	2010	Silver	TRUE	9999	Sedan	Budget	4

[Main Menu] [Manage Customers]