



**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**

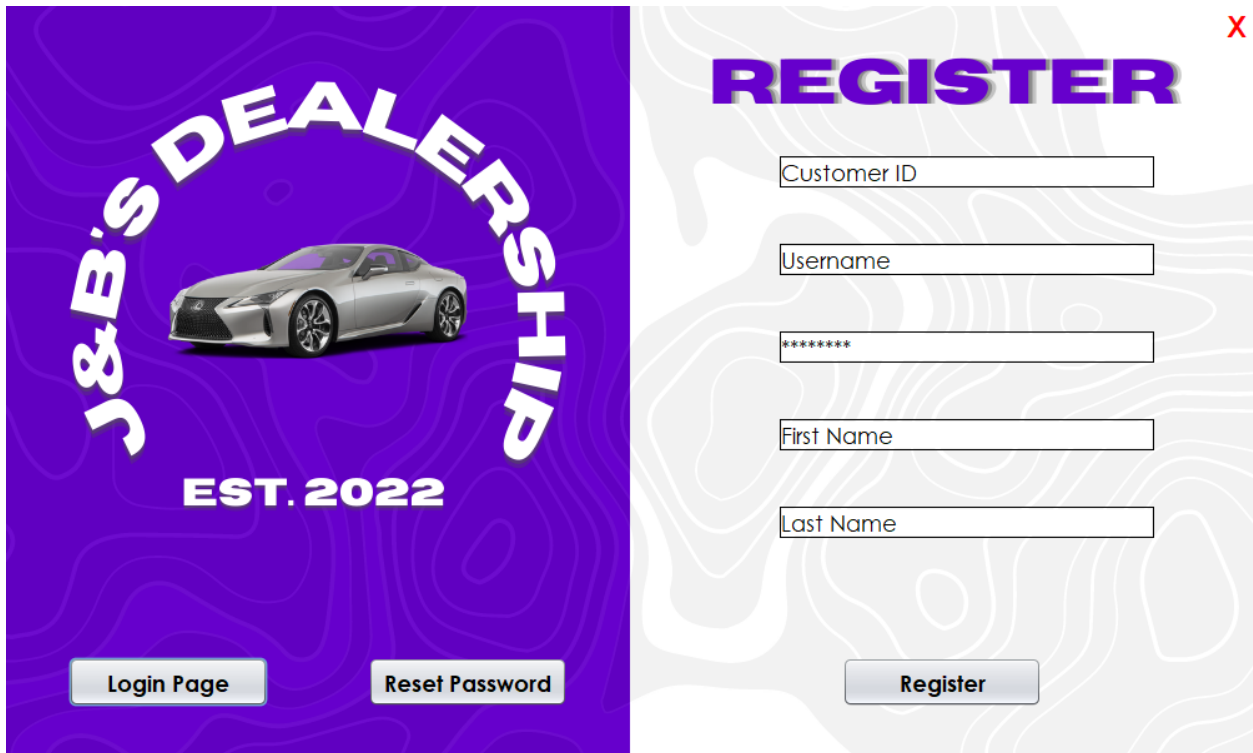
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# Introduction

This user manual 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 users 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.

## User Manual (Customer)

### Register Page (Customer)



**REGISTER**

Customer ID

Username

\*\*\*\*\*

First Name

Last Name

Register

Login Page Reset Password

**Step 1:** Enter a random number for your Customer ID

**Step 2:** Enter your desired username (this username can only be changed by an Admin).

**Step 3:** Enter the password you'd like to use (this password can be changed in the future via the Reset Password page).

**Step 4:** Enter your First Name.

**Step 5:** Enter your Last Name.

**Step 6:** Click Register.

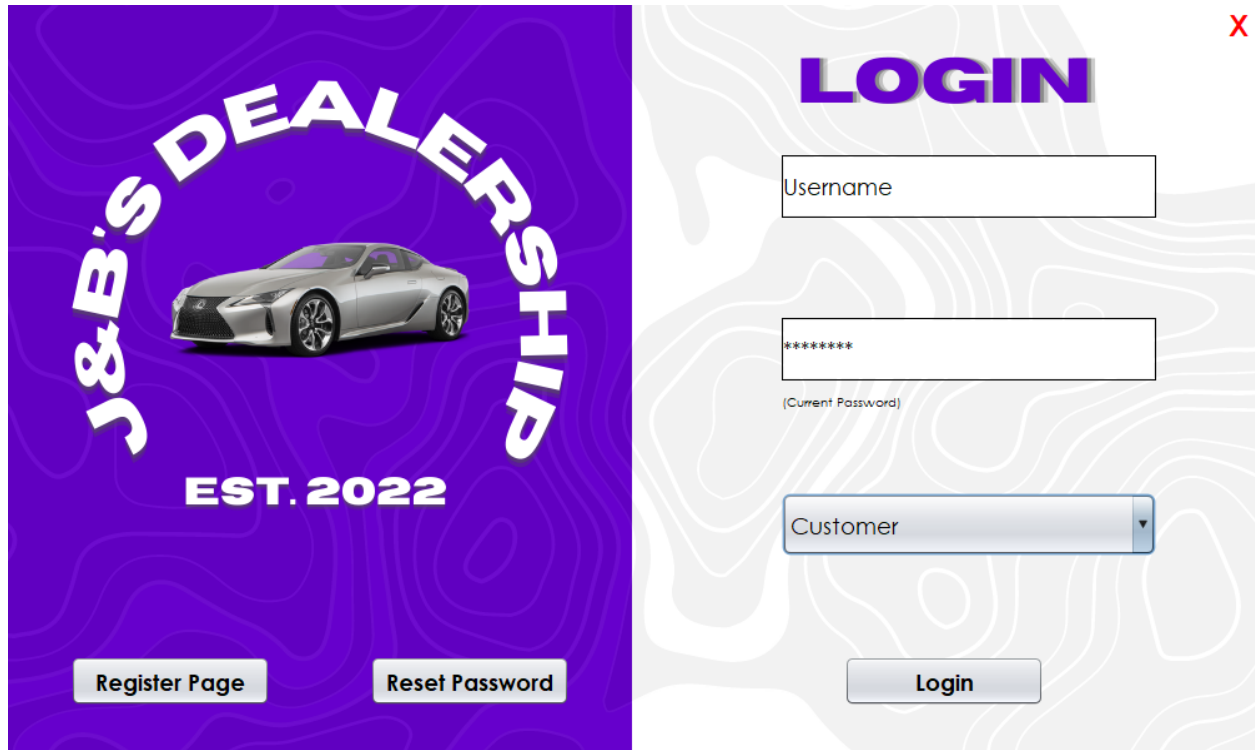
**Step Final:** You'll now be redirected to the Login Page.

**Login Page:** Click the Login Page button to go to the Login Page.

**Reset Password:** Click the Reset Password button to go to the Reset Password Page.

**X:** Click the X icon in the top right to exit the program.

## Login Page (Customer)



The screenshot displays the login interface for J&B's Dealership. On the left, a purple banner features the dealership's logo, a silver sports car, and the text "EST. 2022". Below the banner are two buttons: "Register Page" and "Reset Password". On the right, the "LOGIN" section includes a red "X" icon in the top right corner. The login form consists of three input fields: "Username", a password field masked with "\*\*\*\*\*" (labeled "(Current Password)" below it), and a dropdown menu currently set to "Customer". A "Login" button is positioned below these fields.

**Step 1:** Enter the username you registered with above in the Username text field box above.

**Step 2:** Enter the password you used to register with that username above.

**Step 3:** Click the drop down menu and select Customer.

**Step 4:** Click Login.


**Step Final:** You'll now be redirected to the Main Menu Page for the Customer.

**Register Page:** Click the Register Page button to go to the Register Page.

**Reset Password:** Click the Reset Password button to go to the Reset Password Page.

**X:** Click the X icon in the top right to exit the program.

## Reset Password Page (Customer)



**RESET**

Username

\*\*\*\*\*  
(Old Password)

\*\*\*\*\*  
(New Password)

X

**Step 1:** Enter the username you registered with.

**Step 2:** Enter your old password.

**Step 3:** Enter your new password.

**Step 4:** Click Reset.

**Step Final:** You'll now be redirected to the Login Page.

**Login Page:** Click the Login Page button to go to the Login Page.

**Register Page:** Click the Register Page button to go to the Register Page.

**X:** Click the X icon in the top right to exit the program.

## Main Menu Page (Customer)



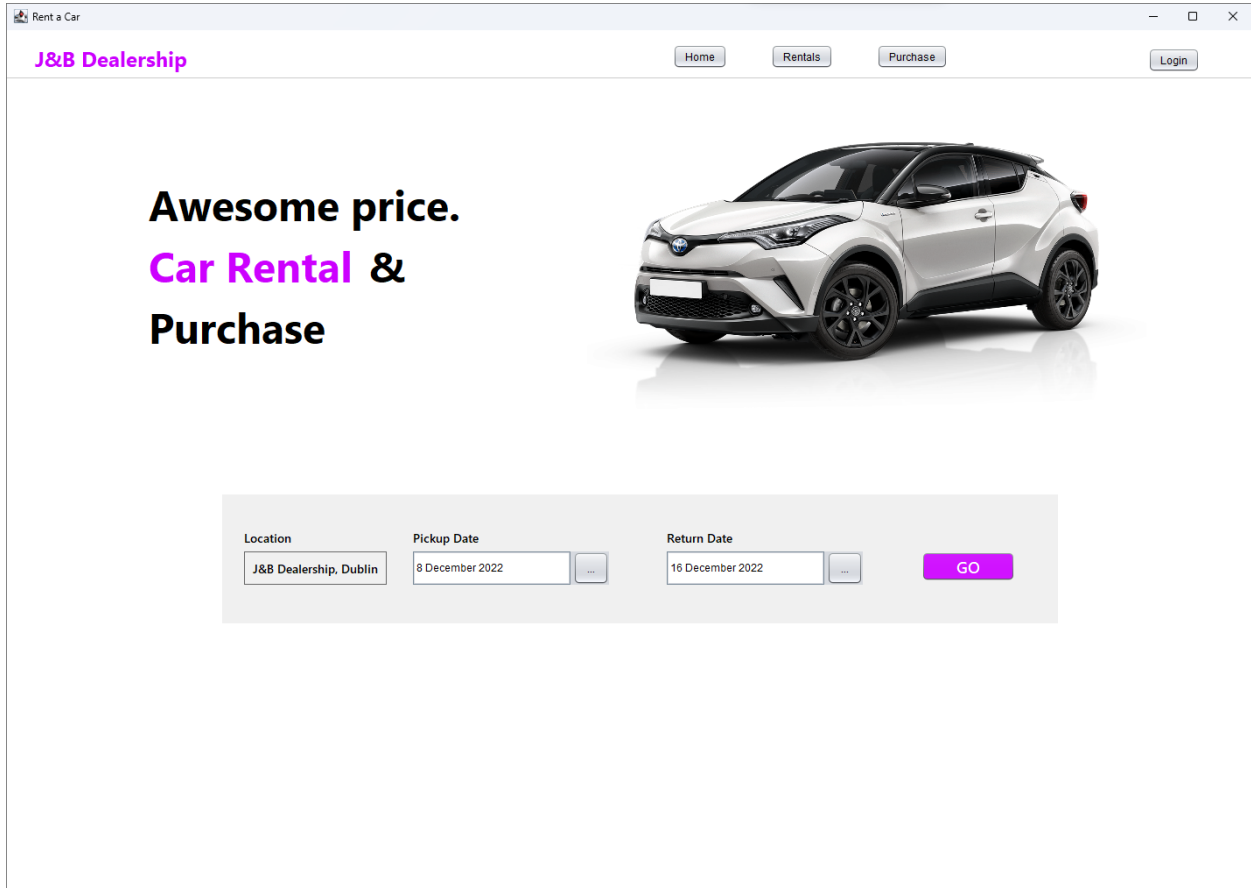
**Rent & Purchase Vehicles:** Click on the Car to go to the Rent & Purchase Vehicles page.

**Logout:** Click on the Logout button to go back to the Login page.

**Exit Program:** Click on the Exit button to exit out of the program in its entirety.

**X:** Click the X icon in the top right to exit the program.

## Rent / Purchase Vehicles Page (Customer)



The screenshot shows a web browser window with the title "Rent a Car". The page header includes the "J&B Dealership" logo and navigation buttons for "Home", "Rentals", "Purchase", and "Login". The main content area features the text "Awesome price. Car Rental & Purchase" next to a silver Toyota C-HR car. Below this is a form with three input fields: "Location" (pre-filled with "J&B Dealership, Dublin"), "Pickup Date" (pre-filled with "8 December 2022"), and "Return Date" (pre-filled with "16 December 2022"). A purple "GO" button is positioned to the right of the date fields.

Location	Pickup Date	Return Date
J&B Dealership, Dublin	8 December 2022	16 December 2022

GO

- Step 1:** Enter a pickup and return date
- Step 2:** Default pickup location is set already
- Step 3:** Hit the “Go” button to go to the Rentals page

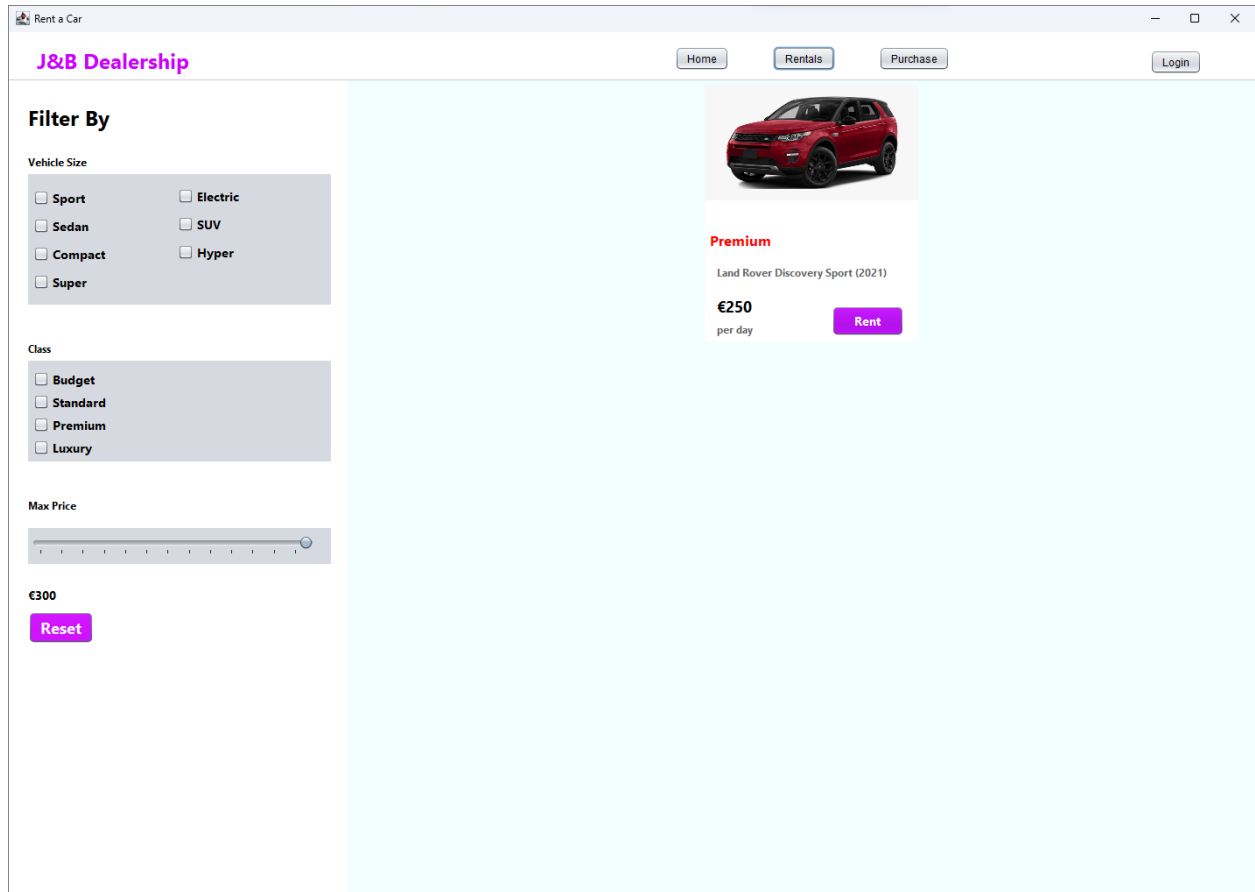
**Home:** You’ll now be redirected to the Home Page.

**Rentals:** Click the Rentals Page button to go to the Rentals Page.

**Purchases:** Click the Purchases button to go to the Purchases Page.

**Login:** Click this button to be redirected to the login page.

# Login Page (Admin)



**Step 1:** Use the filter on the left to narrow down options.

**Step 2:** Use the reset button to restore the options.

**Step 3:** Click on the Rent button to go to the checkout page.

**Filter by Vehicle Size:** Filter by size that suits your needs.

**Filter by Class:** Select from the budget friendly budget class up to luxury.

**Filter by Price:** Filter by price.




# Rental Checkout Page

Rent a Car

J&B Dealership

HomeRentalsPurchaseLogin

< Back



Land Rover - Discovery Sport

Premium

Specs

Colour	Red	Year	2021
Type	Sport		
Passengers	4		

Order Details - Rent

Pickup Date

8 December 2022

Return Date

16 December 2022

Daily Rate

8 Day(s) @ \$250

€2000

Total

€2000

Rent Now

**Step 1:** Verify the vehicle you want to rent/purchase is this one.

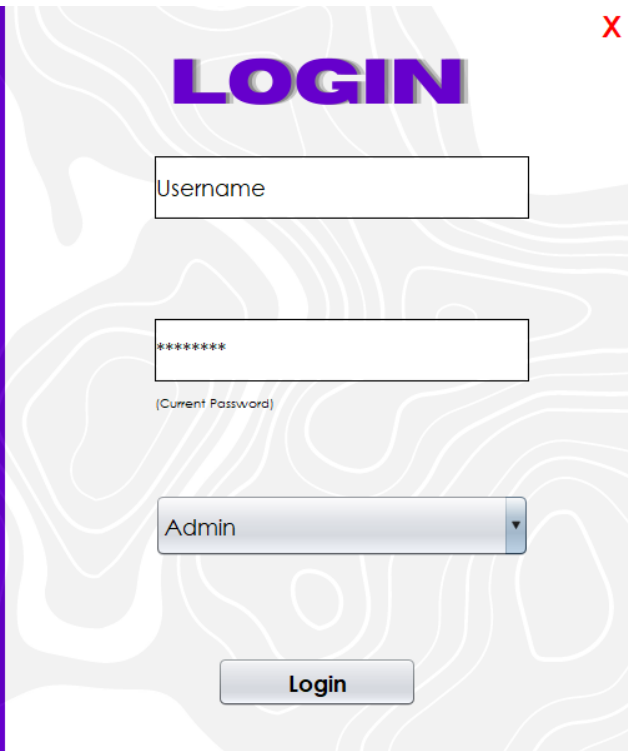
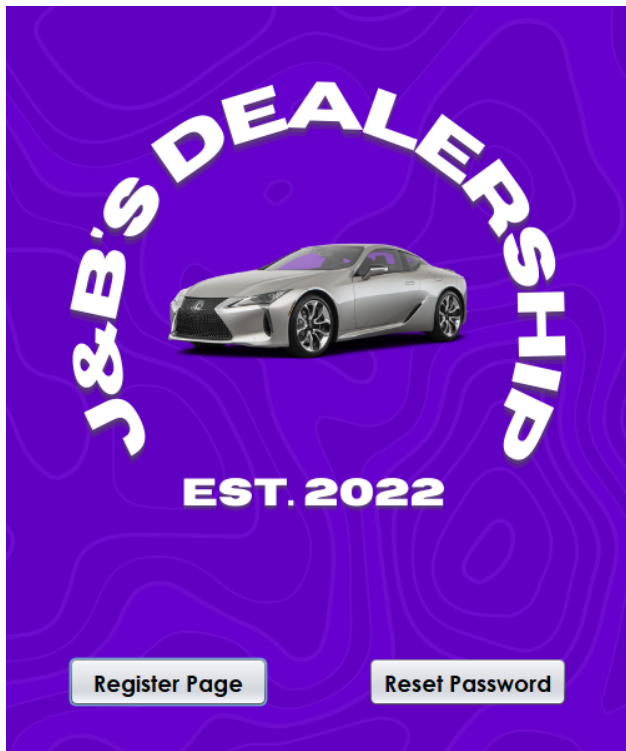
**Step 2:** If renting you'll have the option to select the pickup and return date if you have changed your mind from the home page.

**Step 3:** Click on the "Rent Now" button to rent the vehicle or purchase if buying.

## Rental Checkout Page

## User Manual (Admin)

### Login Page (Admin)



The image shows two side-by-side screenshots from a web application. The left screenshot is a purple banner for 'J&B'S DEALERSHIP' featuring a silver car and the text 'EST. 2022'. It has two buttons: 'Register Page' and 'Reset Password'. The right screenshot is a 'LOGIN' page with a red 'X' icon in the top right corner. It contains a 'Username' text field, a password field with '\*\*\*\*\*' and '(Current Password)' below it, a dropdown menu with 'Admin' selected, and a 'Login' button.

**Step 1:** Enter the username you registered with above in the Username text field box above.

**Step 2:** Enter the password you used to register with that username above.

**Step 3:** Click the drop down menu and select Admin.

**Step 4:** Click Login.

**Step Final:** You'll now be redirected to the Main Menu Page for the Admin.

**Register Page:** Click the Register Page button to go to the Register Page.

**Reset Password:** Click the Reset Password button to go to the Reset Password Page.

**X:** Click the X icon in the top right to exit the program.

## Main Menu (Admin)



**Manage Users:** Click on the White Users Icon to go to the Manage Users page.


**Manage Vehicles:** Click on the Car to go to the Manage Vehicles page.

**Logout:** Click on the Logout button to go back to the Login page.

**Exit Program:** Click on the Exit button to exit out of the program in its entirety.

**X:** Click the X icon in the top right to exit the program.

## Manage Customers Page (Admin)



EST. 2022

### MANAGE CUSTOMERS

Username  Password  First Name  Last Name  Gender

### 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

**Step 1:** Input Customer ID.

**Step 2:** Input Customer Username.

**Step 3:** Input Customer Password.

**Step 4:** Input Customer First Name.

**Step 5:** Input Customer Last Name.

**Step 6:** Input Customer Gender.

**Add:** Inserts information into the database.

**Edit:** Updates information that is already present in the database.


**Delete:** Deletes information from the database.

**Customers List:** Displays a list of all the customers currently within the database.

**Main Menu:** Goes to the Main Menu Page for the Admin.

**Manage Vehicles:** Goes to the Manage Vehicles Page.

## Manage Vehicles Page (Admin)



EST. 2022

### MANAGE VEHICLES

Make  Model  Year  Colour

Price  Type   Passengers  Rarity

### 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
9	Land Rover	Discovery Sport	2021	Red	FALSE	250	Sport	Premium	4

**Step 1:** Input Vehicle ID.

**Step 2:** Input Vehicle Make.

**Step 3:** Input Vehicle Model.

**Step 4:** Input Vehicle Year.

**Step 5:** Input Vehicle Colour.

**Step 6:** Input Vehicle Price.

**Step 7:** Input Vehicle Type.

**Step 8:** Input Vehicle Availability.

**Step 9:** Input Vehicle Passengers.

**Step 10:** Input Vehicle Rarity.

**Add:** Inserts information into the database.

**Edit:** Updates information that is already present in the database.

**Delete:** Deletes information from the database.

**Vehicles List:** Displays a list of all the vehicles currently within the database.

**Main Menu:** Goes to the Main Menu Page for the Admin.

**Manage Customers:** Goes to the Manage Customers Page.

**Step 1:** Input

**Step 2:** Input Vehicle Make.

**Step 3:** Input Vehicle Model.

**Step 4:** Input Vehicle Year.

**Step 5:** Input Vehicle Colour.

**Step 6:** Input Vehicle Price.

**Step 7:** Input Vehicle Type.

**Step 8:** Input Vehicle Availability.

**Step 9:** Input Vehicle Passengers.

**Step 10:** Input Vehicle Rarity.

**Add:** Inserts information into the database.

**Edit:** Updates information that is already present in the database.

**Delete:** Deletes information from the database.

**Vehicles List:** Displays a list of all the vehicles currently within the database.

**Main Menu:** Goes to the Main Menu Page for the Admin.

**Manage Customers:** Goes to the Manage Customers Page.



Rent a Car

J&B Dealership


Home

Rentals

Purchase

Login

< Back



Land Rover - Discovery Sport

Premium

Specs

Colour	Red	Year	2021
Type	Sport		
Passengers	4		

Order Details - Rent

Pickup Date

8 December 2022

Return Date

16 December 2022

Daily Rate

8 Day(s) @ \$250

€2000

Total

€2000

Rent Now



Rent a Car

J&B Dealership

Home

Rentals

Purchase

Login

Filter By

Vehicle Size

☐ Sport

☐ Electric

☐ Sedan

☐ SUV

☐ Compact

☐ Hyper

☐ Super

Class

☒ Budget

☒ Standard


☐ Premium

☒ Luxury

Max Price

€300000

Reset




Standard

Toyota Camry (2020)

€39999

per day

Buy




Budget

Toyota Yaris (2016)

€14999

per day

Buy



Budget

BMW M5 (2010)

€9999

per day

Buy

Rent a Car

J&B Dealership


Home

Rentals

Purchase

Login

< Back



Toyota - Camry

Standard

Specs

Colour	Silver	Year	2020
Type	Sedan		
Passengers	4		

Order Details - Sale

Toyota - Camry(2020)

€39999

Total

€39999

Buy Now