



Module: GUI Design and Database Connection

Module Code: COMP4604

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Course Group: Group A/B

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Topic: Vehicle Dealership/Rental System

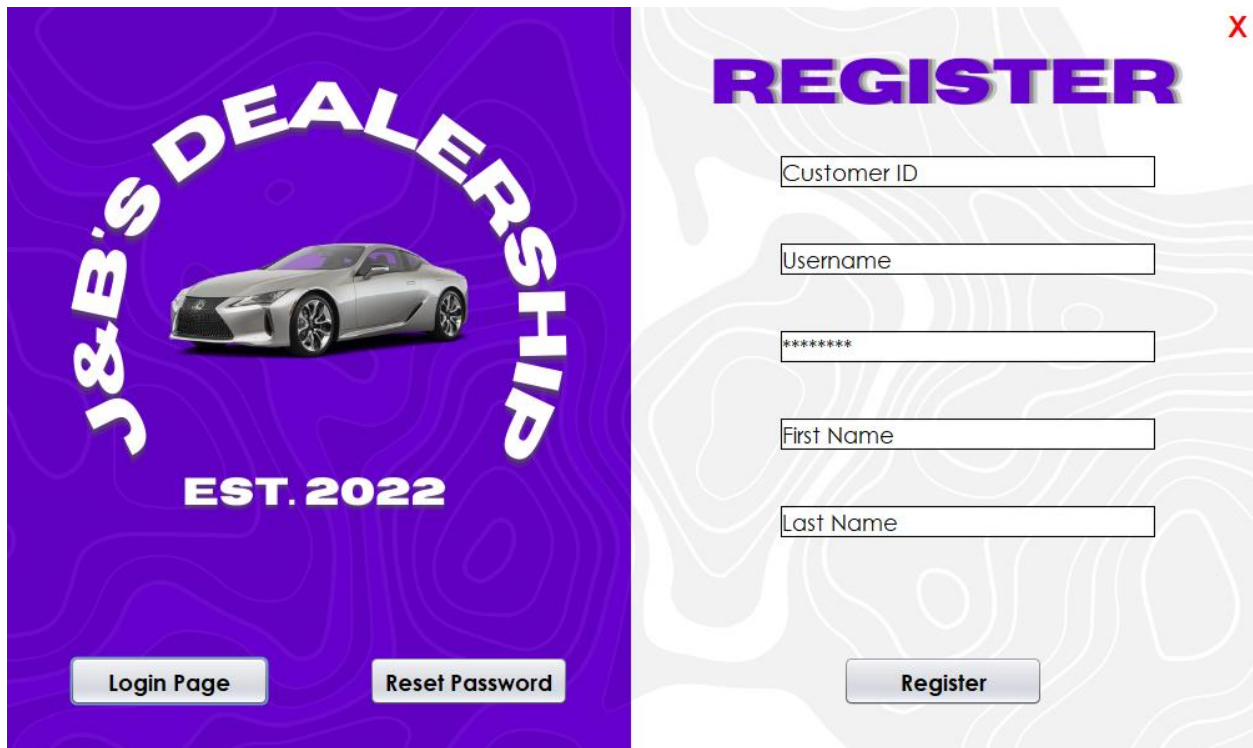
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Introduction

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 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.

User Manual (Customer)

Register Page (Customer)

The image shows a web application interface for a dealership. On the left is a purple banner with a silver sports car in the center. The text 'J&B'S DEALERSHIP' is arched over the car, and 'EST. 2022' is below it. At the bottom of the banner are two buttons: 'Login Page' and 'Reset Password'. On the right is a white 'REGISTER' form with a red 'X' icon in the top right corner. The form contains five input fields: 'Customer ID', 'Username', a password field with '*****', 'First Name', and 'Last Name'. A 'Register' button is at the bottom of the form.

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 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. It contains a 'Username' text field, a password field with masked characters '*****' and a label '(Current Password)' below it, a dropdown menu currently set to 'Customer', 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 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)

The logo for J&B's Dealership is on a purple background. It features a silver sports car in the center, with the text "J&B'S DEALERSHIP" in a large, white, arched font above it and "EST. 2022" in a smaller, white, bold font below it. At the bottom of the logo are two buttons: "Login Page" and "Register Page".

X

RESET

(Old Password)

(New Password)

Reset

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.


Home Page (Customer)

Rent a Car

J&B Dealership

Home Rentals Purchase Login

Awesome price.
Car Rental &
Purchase



Location: J&B Dealership, Dublin

Pickup Date: 8 December 2022

Return Date: 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.

Rentals Page (Customer)

The screenshot shows a web application for car rentals. The header includes the logo "J&B Dealership" and navigation buttons for "Home", "Rentals", "Purchase", and "Login". The left sidebar contains a "Filter By" section with three categories: "Vehicle Type" (Sport, Sedan, Compact, Super, Electric, SUV, Hyper, Hybrid), "Class" (Budget, Standard, Premium, Luxury), and "Max Price" (a slider set to €300 with a "Reset" button). The main content area displays two car listings. The first listing is for a "Land Rover Discovery Sport (2021)" in the "Premium" class, priced at "€250 per day" with a "Rent" button. The second listing is for a "Toyota CH-R (2022)" in the "Standard" class, priced at "€190 per day" with a "Rent" button.

Vehicle Type	Class	Model	Price per day	Action
<input type="checkbox"/> Sport	<input type="checkbox"/> Budget	Land Rover Discovery Sport (2021)	€250	Rent
<input type="checkbox"/> Sedan	<input type="checkbox"/> Standard	Toyota CH-R (2022)	€190	Rent
<input type="checkbox"/> Compact	<input type="checkbox"/> Premium			
<input type="checkbox"/> Super	<input type="checkbox"/> Luxury			
<input type="checkbox"/> Electric				
<input type="checkbox"/> SUV				
<input type="checkbox"/> Hyper				
<input type="checkbox"/> Hybrid				

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 Type: Filter by type that suits your needs.

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

Filter by Price: Filter by price.

Purchase Page

J&B Dealership

Home Rentals Purchase Login

Filter By

Vehicle Type

- ☐ Sport
- ☐ Sedan
- ☐ Compact
- ☐ Super
- ☐ Electric
- ☐ SUV
- ☐ Hyper
- ☐ Hybrid

Class

- ☐ Budget
- ☐ Standard
- ☐ Premium
- ☐ Luxury

Max Price

€300000

Reset

Image	Class	Vehicle	Price	Action
	Luxury	Aston Martin Vantage (2022)	€149999 per day	Buy
	Premium	Alfa Romeo 4C (2018)	€49999 per day	Buy
	Standard	Toyota Camry (2020)	€39999 per day	Buy
	Budget	Toyota Yaris (2016)	€14999 per day	Buy
	Budget	BMW M5 (2010)	€9999 per day	Buy
	Premium	Land Rover Discovery Sport (2021)	€250 per day	Rent
	Standard	Toyota CH-R (2022)	€190 per day	Rent

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 Buy button to go to the checkout page.

Filter by Vehicle Type: Filter by type that suits your needs.

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

Filter by Price: Filter by price.


Rental / Purchase 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.

Current Rentals (Customer)

Rent a Car

J&B Dealership

Account

Details

History


Current Rentals

HomeRentalsPurchaseHi John Smith

Rental Overview

Alfa Romeo - 4C

Days Left
7



Return

Select Location

Dublin Airport

Return

Select Location: Choose from various locations to return your vehicle to.

Return: Confirms the location you want to return to.

Account Details (Customer)

Rent a Car

J&B Dealership

Home Rentals Purchase Hi John Smith

Account

Details

History

Current Rentals

Detail

First name
John

Last name
Smith

Username
JohnSmith

Password
Click the button below to change your password

Change Password

Save

Change Password: Redirects you to a reset password page where you can change your password based on the account you're logged in to.

History Rental & Purchase (Customer)

The image displays two screenshots of a web application interface for 'Rent a Car' by 'J&B Dealership'. The interface includes a top navigation bar with 'Home', 'Rentals', and 'Purchase' buttons, and a user greeting 'Hi John Smith'. A left sidebar contains an 'Account' section with links for 'Details', 'History', and 'Current Rentals'. The main content area is titled 'History' and features two tabs: 'Rental' and 'Purchase'.

Top Screenshot (Rental History):

RentalID	Pickup Date	Return Date	Days Rented	Make	Model	Type
	2022-12-07/2022-12-14	7		Alfa Romeo	4C Sport	

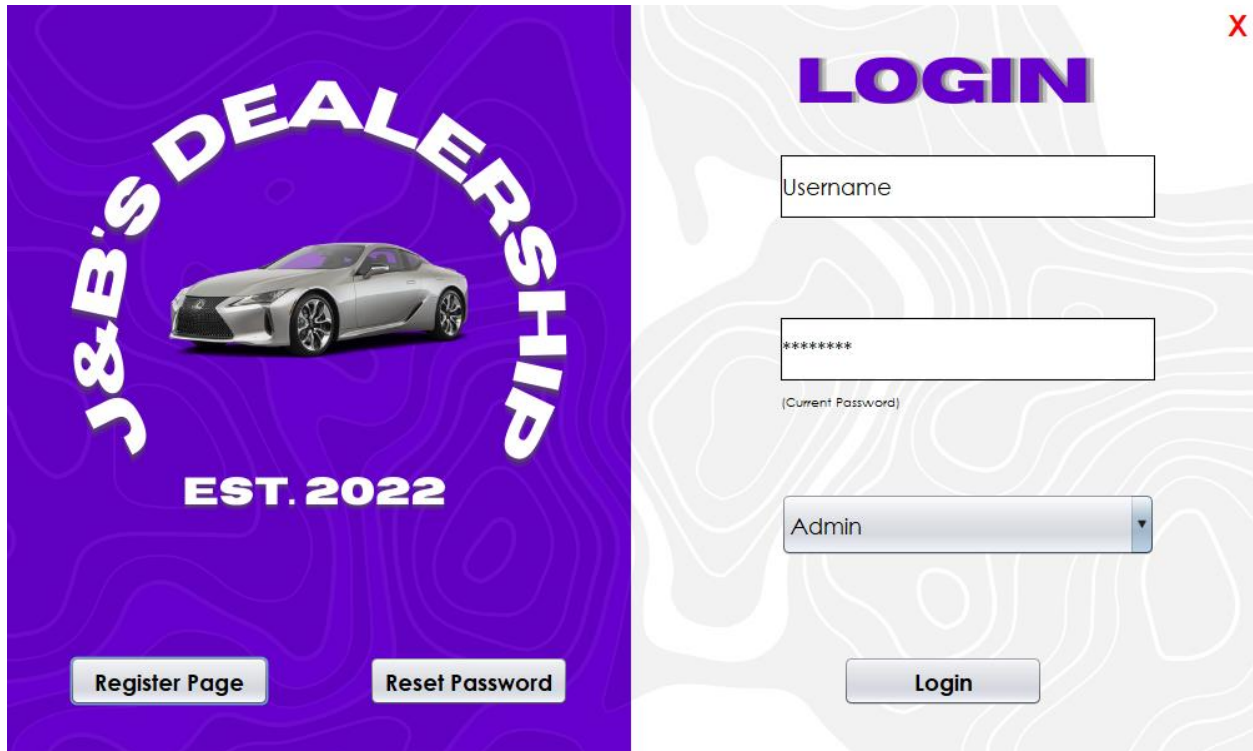
Bottom Screenshot (Purchase History):

Purchase ID	Make	Model	Price

Above shows the history for both rentals and purchases, when you rent or purchase a car, the history of either will show up in the tables above.

User Manual (Admin)

Login Page (Admin)



The screenshot displays the login interface for the J&B's Dealership Admin. On the left, a purple banner features the dealership's logo, a silver sports car, and the text 'J&B'S DEALERSHIP' in a large, white, arched font, with 'EST. 2022' below it. At the bottom of the banner are two buttons: 'Register Page' and 'Reset Password'. On the right, the 'LOGIN' title is in large, bold, purple letters. Below it are three input fields: a 'Username' field, a password field with masked characters '*****' and the label '(Current Password)' below it, and a dropdown menu currently showing 'Admin'. A 'Login' button is positioned below these fields. A red 'X' icon is located in the top right corner of the page.

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)



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)

X

MANAGE VEHICLES

Make Model Year Colour
 Price Type Booked 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.