

ITMD 510 Final Project

Used Car Dealer Application

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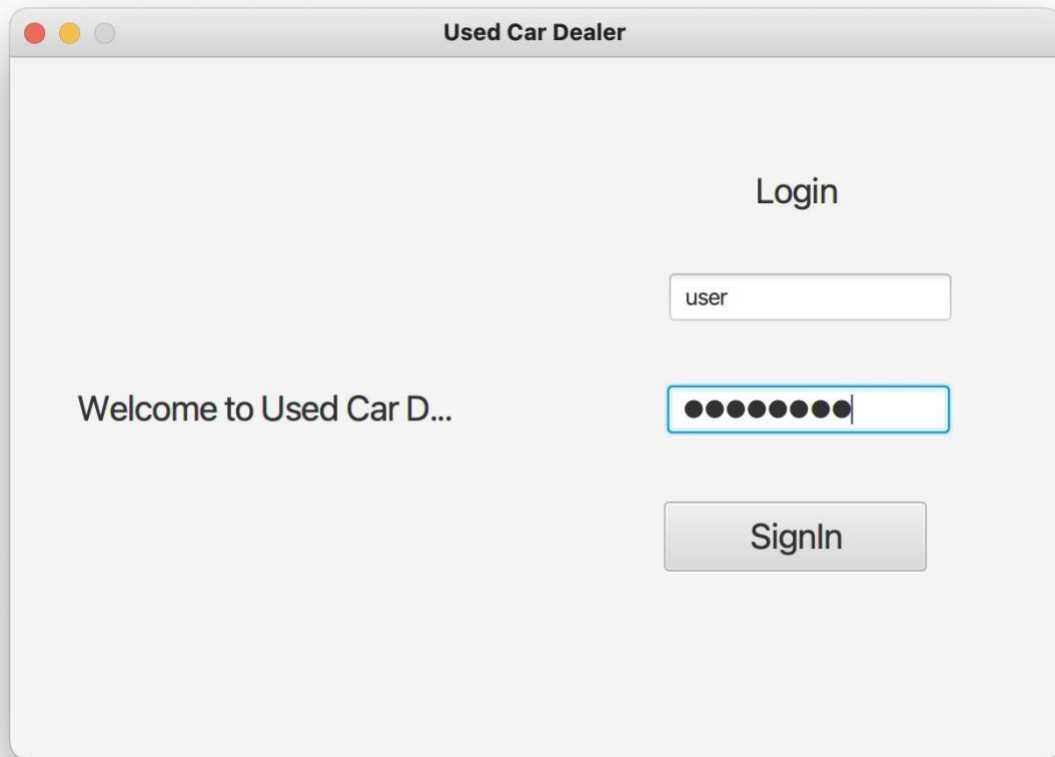
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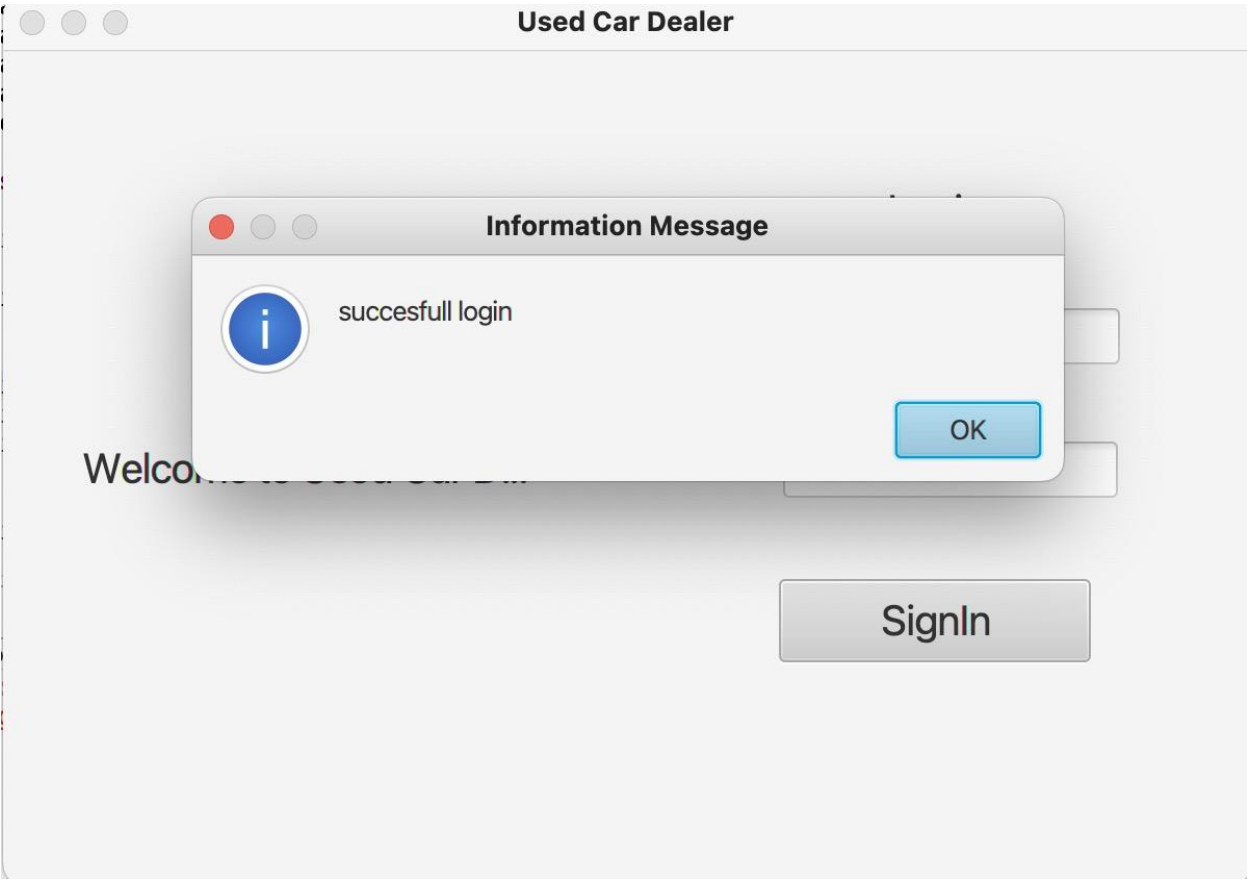
Sr. No.	Description
1.	Abstract
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- 1. Abstract:** This JAVA application is designed as a Used Car Portal of a dealer on which you can buy available used cars from the dealer. The application is easy and simple as the admin can add the cars with his login into the database. The user can then choose what car the dealer has in the inventory to buy. The admin can ADD, UPDATE, DELETE the entries they have created.
- 2. Description:** In the program folder, the package 'application' contains the MainApp.java file which is to be RUN in the the Eclipse IDE.
The **user** can view records added by admin, can select a particular car and quantity, can further process the purchase and can see the total cost and generate bill receipt.
The **admin** can add, delete, update and view all the records.
- 3. User Login:** For **administrator login** - username: admin , password: adminPass
For **user login** - username: user , password: userPass

4. Snapshots:

- a. Showing a successful login for a regular user.





b. Show a result of all 10 records added to your database table from the database itself.

The screenshot shows the DBeaver 24.0.3 interface. The 'Database Navigator' on the left lists various database objects, with 'carmodel' selected. The 'Data' tab is active, displaying a table with 10 records. The table has columns: carid, make, model, year, price, color, and quantity. The status bar at the bottom indicates '10 row(s) fetched - 0.027s (0.001s fetch), on 2024-05-04 at 00:25:00'.

carid	make	model	year	price	color	quantity
1	Audi	A4	2,021	7,000	Black	4
2	Jeep	Grand Cherokee	2,019	7,000	Grey	10
3	BMW	X5	2,020	4,500	Black	10
4	KIA	Seltos	2,021	20,000	White	10
5	BMW	730i	2,014	5,000	Black	2
6	Mercedes	G-63 AMG	2,020	50,000	White	4
7	Hyundai	Sonata	2,020	5,000	Grey	3
8	Range Rover	Autobiography	2,015	7,000	Black	2
9	Toyota	Land Cruiser	2,023	9,000	White	4
10	Lexus	LX570	2,017	10,000	White	3

- c. **Demonstrate** sufficient functionality for the regular user.
Ex. User enters a deposit and can view their new balance. Balance is retrieved by user id.

Welcome,
user

Home

Buy

Logout

Car ID	Make	Year	Price	Quantity	Model	Color
1	Audi	2023	4000.0	7	A4	White
2	Jeep	2019	7000.0	10	Grand C...	Grey
3	BMW	2020	4500.0	10	X5	Black
4	KIA	2021	20000.0	10	Seltos	White
5	BMW	2014	5000.0	2	730i	Black
6	Mercedes	2020	50000.0	4	G-63 A...	White
7	Hyundai	2020	5000.0	3	Sonata	Grey
8	Range ...	2015	7000.0	2	Autobio...	Black
9	Toyota	2023	9000.0	4	Land Cr...	White
10	Lexus	2017	10000.0	3	LX570	White

Car ID: Cho...

Make: 0

Add

Total:\$0.0

Pay

Welcome,
user

Home

Buy

Logout

Car ID	Make	Year	Price	Quantity	Model	Color
1	Audi	2023	4000.0	7	A4	White
2	Jeep	2019	7000.0	10	Grand C...	Grey
3	BMW	2020	4500.0	10	X5	Black
4	KIA	2021	20000.0	10	Seltos	White
5	BMW	2014	5000.0	2	730i	Black
6	Mercedes	2020	50000.0	4	G-63 A...	White
7	Hyundai	2020	5000.0	3	Sonata	Grey
8	Range ...	2015	7000.0	2	Autobio...	Black
9	Toyota	2023	9000.0	4	Land Cr...	White
10	Lexus	2017	10000.0	3	LX570	White

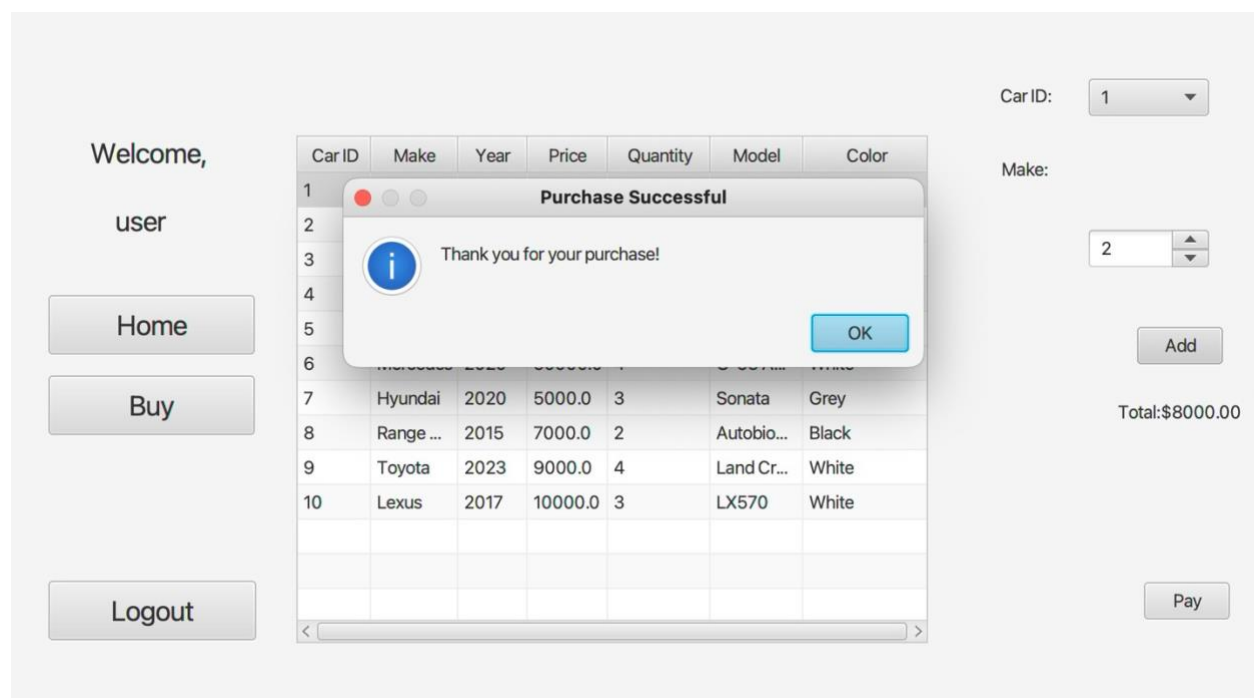
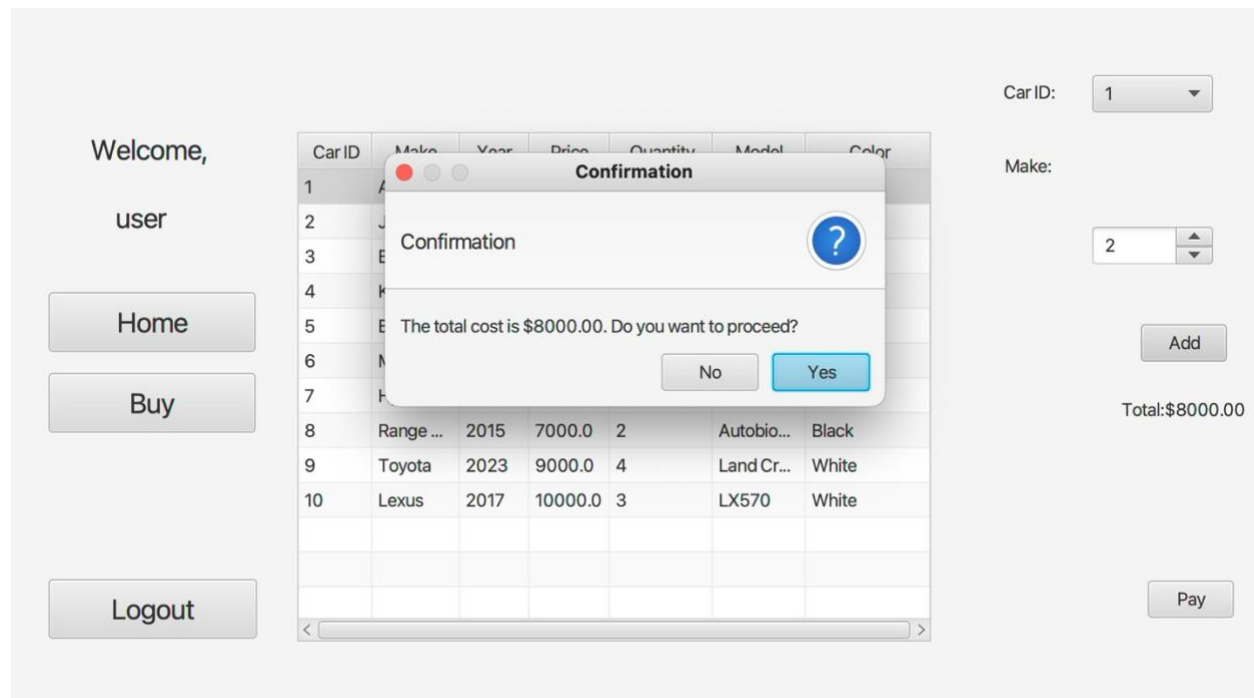
Car ID: 1

Make: 2

Add

Total:\$0.0

Pay



Welcome,

user

Home

Buy

Logout

Car ID	Make	Year	Price	Quantity	Model	Color
1						
2						
3						
4						
5						
6	Mercedes	2020	50000.0	4	C 300 Am...	White
7	Hyundai	2020	50000.0	3	Sonata	Grey
8	Range ...	2015	70000.0	2	Autobio...	Black
9	Toyota	2023	90000.0	4	Land Cr...	White
10	Lexus	2017	100000.0	3	LX570	White

?

Press OK to logout.

CancelOK

Car ID: 1

Make: 2

Add

Total:\$8000.00

Pay

- d. Show a successful login for an admin.

The image shows a login window with a light gray background and rounded corners. At the top left, there are three colored window control buttons (red, yellow, green). The title 'Login' is centered at the top. On the left side, the text 'Welcome to Used Car D...' is displayed. On the right side, there is a username input field containing the text 'admin', a password input field filled with 10 black dots, and a 'SignIn' button below it.

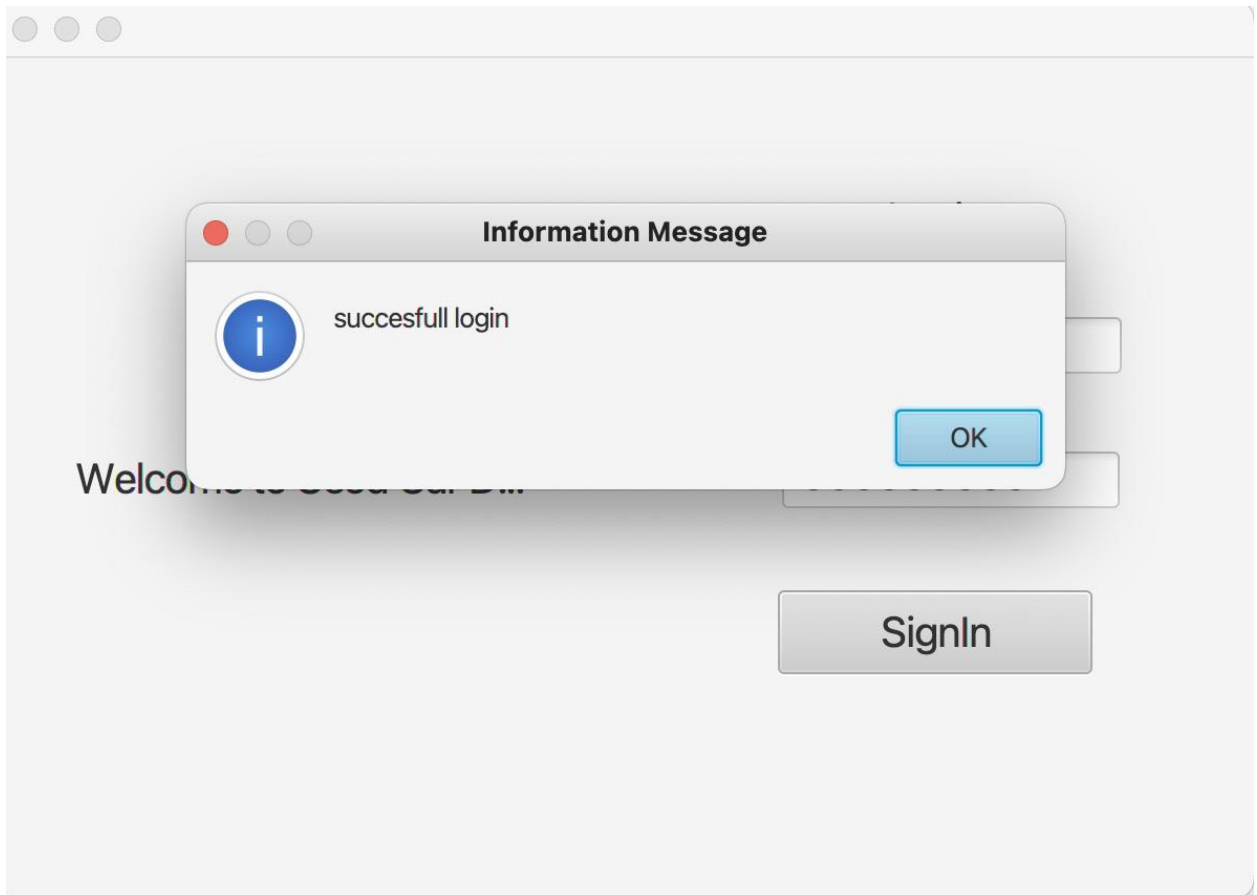
Login

Welcome to Used Car D...

admin

●●●●●●●●●●

SignIn



e. Show some update performed by the admin for the first record entered into the db.

[illegible][illegible]

[illegible]

f. Show the deletion of the last record by the admin entered in the db.

[illegible]

- h. Show a snapshot of your ending user table (i.e., the user login credentials) from the database itself.

The screenshot displays the DBeaver 24.0.3 interface with the 'userlist' table selected in the Database Navigator. The table structure is as follows:

username	password	role
admin	adminPass	administrator
user	userPass	user

The 'Data' tab is active, showing the table data in a grid. The 'Properties' tab is also visible, showing the table's metadata. The 'Project - General' tab is open, showing the project's general settings. The status bar at the bottom indicates that 2 row(s) were fetched on 2024-05-04 at 00:22:56.