University of Zakho

Faculty of science

Computer Science Department

Mobile Application

Car Display Online Application

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1 Introduction

People are more or less familiar with buying and selling cars however they have no experience for how buying or selling car systems online. In foreign countries, people are buying and selling cars online. But in our country, we don't have a specific car system. Many people want to buy or sell cars for a certain period. Also, some people want to drive their cars. This system will be able to find a better solution for those who want to buy and sell their idle cars anytime they want or at home. Moreover, people who want to buy or sell a car wouldn't need to go to rental shops to buy and sell their cars. They can just browse the system and provide a little information. Also, they are good to go.

The work of people becomes easier and faster due to dealing with the online systems and new technologies. It facilitates current work to be done in shorter time with more reliability. This work is going to work on an online system for showing cars to those people who want to sell their cars and to those who want to buy an online car. Thus, according to their request. The application will make it easier rather than offline dealing, and this work is available to work on (IOS mobiles , Android mobiles ..., etc.).

2 What's reason choosing car display online application

For looking on a car, the customers should visit an exhibition and spend so much of time for finding a car. Moreover, in our country, we don't have a special exhibition as we are searching for. Also, the exhibitions are not available for 24 hours a day. However, most people are getting tired and bored due to wasting time for searching on a car.

3 The Aims of the Application

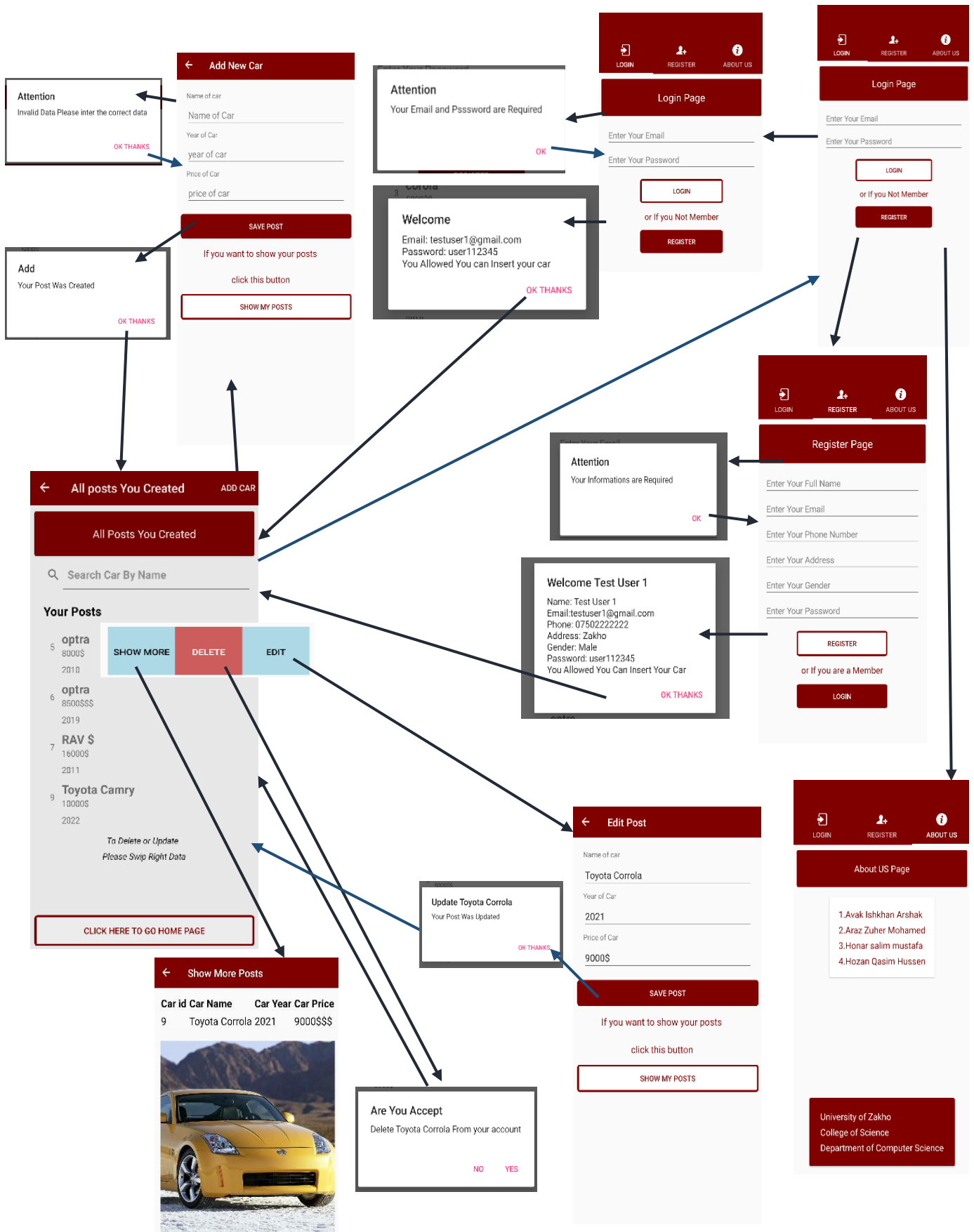The aim of this project is to create an online system for purchasing cars.

- Designing a systemic online system according to car specifications.
- Developing an online system for making users feels comfortable when using it.
- Building an online system to work on all devices smoothly.
- Developing an online system to be easy for different types of people.
- To investigate a confident and a secure system.
- Creating a fast system for purchasing cars.
- Designing an online system to reduce purchasing time.

4 Our Tools

We use Some Tools to build our application as shown in below :-

- Xamarin Cross platform (Xamarin.Forms)
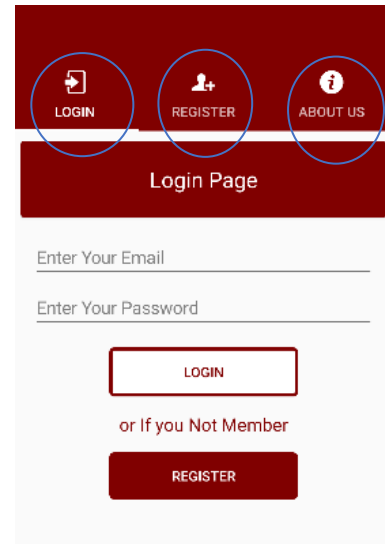- Xaml
- SQLite

5 Paths Application

Attention
Invalid Data Please inter the correct data

OK THANKS

Add New Car

Name of car
Name of Car

Year of Car
year of car

Price of Car
price of car

SAVE POST

If you want to show your posts

click this button

SHOW MY POSTS

Add
Your Post Was Created

OK THANKS

Attention
Your Email and Psssword are Required

OK

LOGIN **REGISTER** **ABOUT US**

Login Page

Enter Your Email

Enter Your Password

LOGIN

or If you Not Member

REGISTER

Welcome
Email: testuser1@gmail.com
Password: user112345
You Allowed You can Insert your car

OK THANKS

LOGIN **REGISTER** **ABOUT US**

Login Page

Enter Your Email

Enter Your Password

LOGIN

or If you Not Member

REGISTER

← All posts You Created ADD CAR

All Posts You Created

🔍 Search Car By Name

Your Posts

5 optra
8000$
2010

6 optra
8500$$$
2019

7 RAV $
16000$
2011

9 Toyota Camry
10000$
2022

To Delete or Update
Please Swip Right Data

SHOW MORE | DELETE | EDIT

CLICK HERE TO GO HOME PAGE

LOGIN **REGISTER** **ABOUT US**

Register Page

Enter Your Full Name

Enter Your Email

Enter Your Phone Number

Enter Your Address

Enter Your Gender

Enter Your Password

REGISTER

or If you are a Member

LOGIN

Attention
Your Informations are Required

OK

Welcome Test User 1

Name: Test User 1
Email:testuser1@gmail.com
Phone: 07502222222
Address: Zakho
Gender: Male
Password: user112345
You Allowed You Can Insert Your Car

OK THANKS

← Edit Post

Name of car
Toyota Corrola

Year of Car
2021

Price of Car
9000$

SAVE POST

If you want to show your posts

click this button

SHOW MY POSTS

Update Toyota Corrola
Your Post Was Updated

OK THANKS

← Show More Posts

Car id | Car Name | Car Year | Car Price
9 | Toyota Corrola | 2021 | 9000$$$

Are You Accept
Delete Toyota Corrola From your account

NO   YES

LOGIN **REGISTER** **ABOUT US**

About US Page

1.Avak Ishkhan Arshak
2.Araz Zuher Mohamed
3.Honar salim mustafa
4.Hozan Qasim Hussen

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6 Tabbed Page

Used Tabbed In the page to work easily and organized to worked faster for user:

6.1 Task One: Tabbed Page

Tabbed Page Show as Home page, tabbed page contain of three tabbed (LOGIN , REGISTER , ABOUT US) When we are clicking each one of them will open new page to do some other tasks .
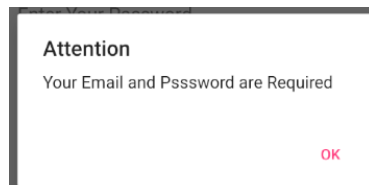
6.2 Task Two: Login Page

The main work of this Page is sign in existing user and redirected to the register page if needed, also this page Content of buttons to do this, login button for sign in so When we clicked login button and user information are NULL will display Alert for Attention user to enter their information and register button to redirect register page.
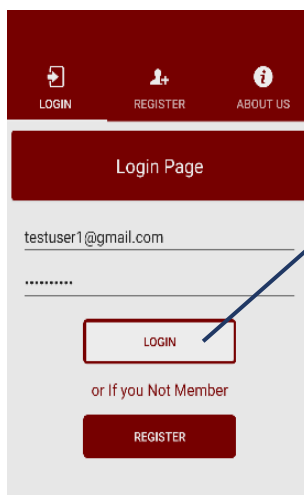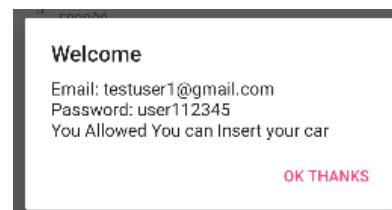
When we clicked login button and user information like email and password are Not NULL will display Alert after it, we will allow to our application and we can use add and show posts.

After you clicked the login button will display user info on alert

6.3 Task Three: Register Page

The main work of this Page is sign up to new user and redirected to the login page if needed and we want, also this page Content of buttons to do this, register button for sign up so When we clicked register button and user information are NULL will display Alert for Attention user to enter their information and login button to redirect login page.

When we clicked register button and user information like Full Name, email, Phone Number, Address, Gender and password are Not NULL will display Alert after it, we will allow to our application and we can use add and show posts.
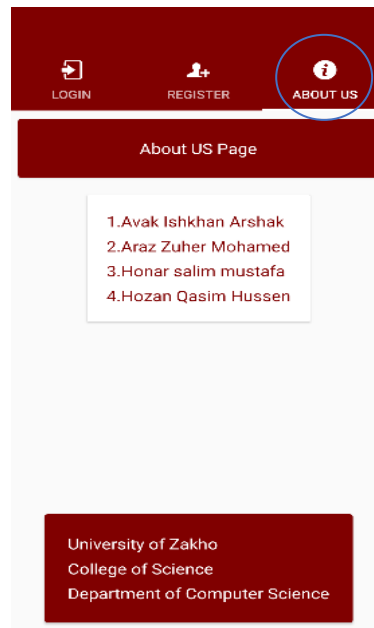

After you clicked the Register button will display user info on alert

6.4 Task Four: About US Page

The main work of this Page is displaying the information of our team to who make this application and they student from which university.

after we click the about us is childern od tabbed page will show this abous us page.


7 Add Car Page

7.1 Task five: Add Posts

After you register or login in our application you will allow of our application and then you can show to all posts and you can add or update or delete the posts.

When we clicked save post button and car information are NULL will display Alert for Attention user to enter their car information and show my posts button to redirect show my posts page.
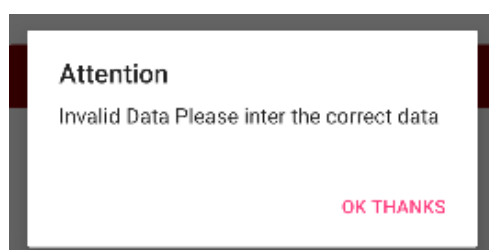
When we clicked save post button and car information like Name of Car, Year of Car and Price of car are Not NULL will display Alert after it, and will our post be created.
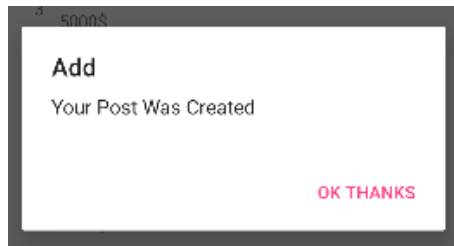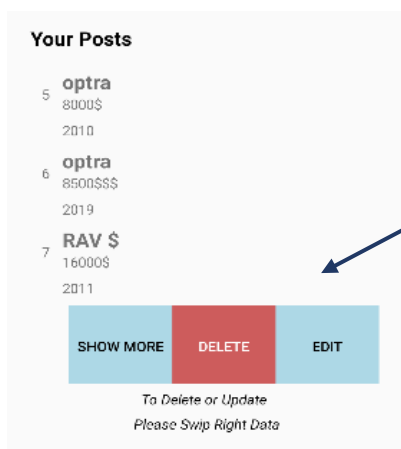

8 Show Posts Page

Show All Users Posts From database, also we can update or delete or searching or show details at our Posts.
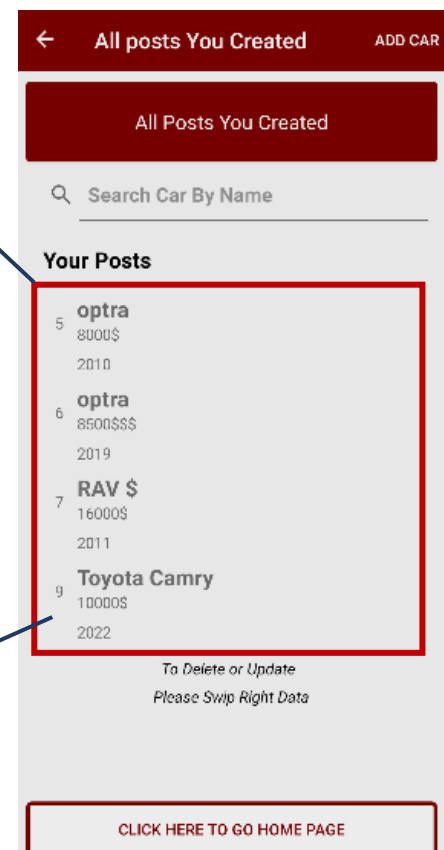
8.1 Task Sex: Show Post from Database

This area shows all posts before now you added and here read from database.

also, we can swipe the posts to rights show three buttons (show more, update, delete) as shown in the next steps.
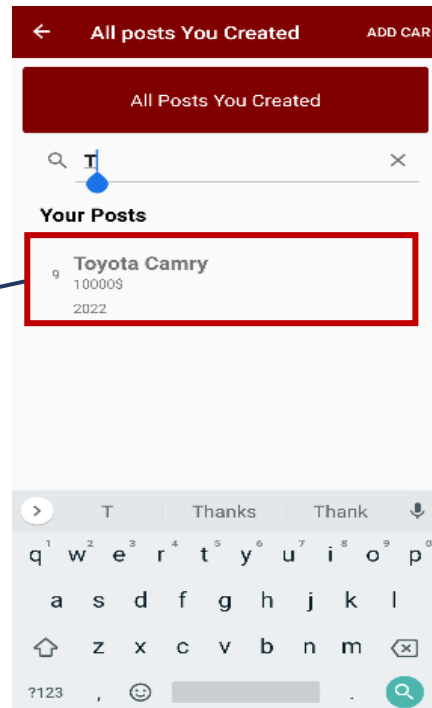

After you swipe the item to right will you see three buttons

8.2 Task Seven: Search Task

The main work of this task to search a post by car name, the useful of this task is faster you will find a posts in application.


Only find that car the letter one is T

8.3 Task Eight: Update Task
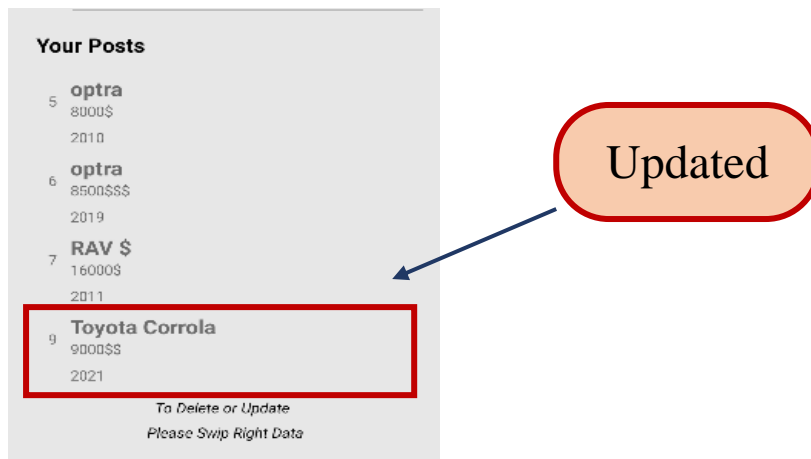
The main work of this update task you can edit your post before now you added in application, this is useful if you make a post and then your post was wrong so you can edit same post like what you want.

In here after you swipe item to right will that item move from show post page to edit post page and then you can update Name of Car, Year of Car and Price of car.

After you clicked save post button, will display alert to Your post and name car was updated
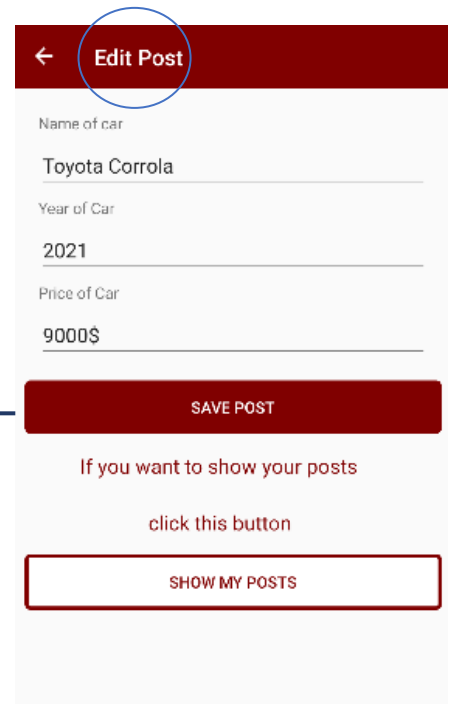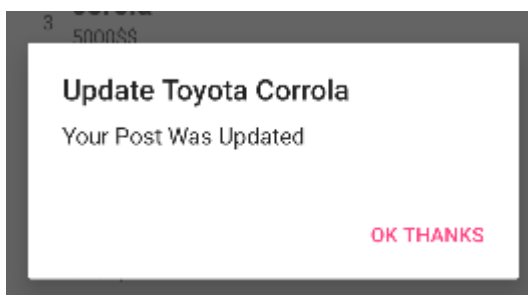
After this action see the post was updated from Toyota Camry to Toyota Corolla

Updated

8.4 Task nine: Delete Event

The main work of this Delete task you can delete your post before now you added in application.

In here after you swipe item to right and then you clicked the delete button and then will show display alert with name of car want to delete and this alert to sure if you want to delete your post or not.
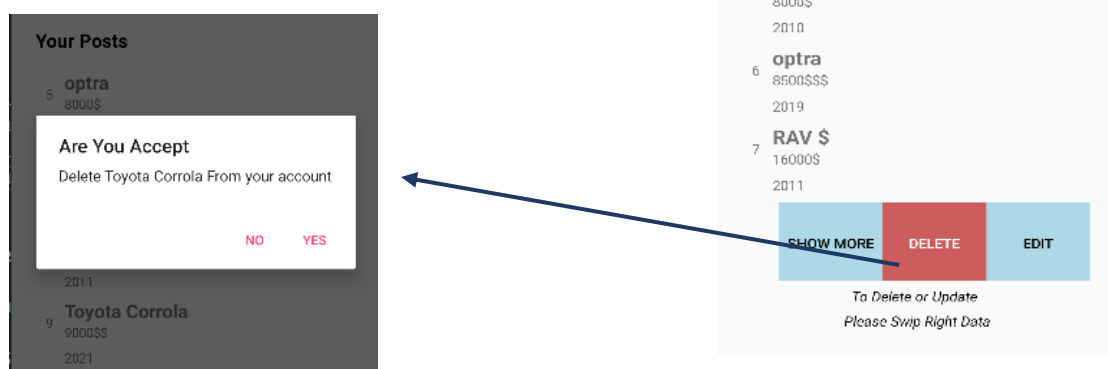
8.5 Task ten: Show More Page

The main work of this page to find more detail at your post you created, and read image from android Resource folder and drawable file.

In here after you swipe item to right will that item move from show post page to show more post page and then you can find to more detail with Image, Name of Car, Year of Car and Price of car.
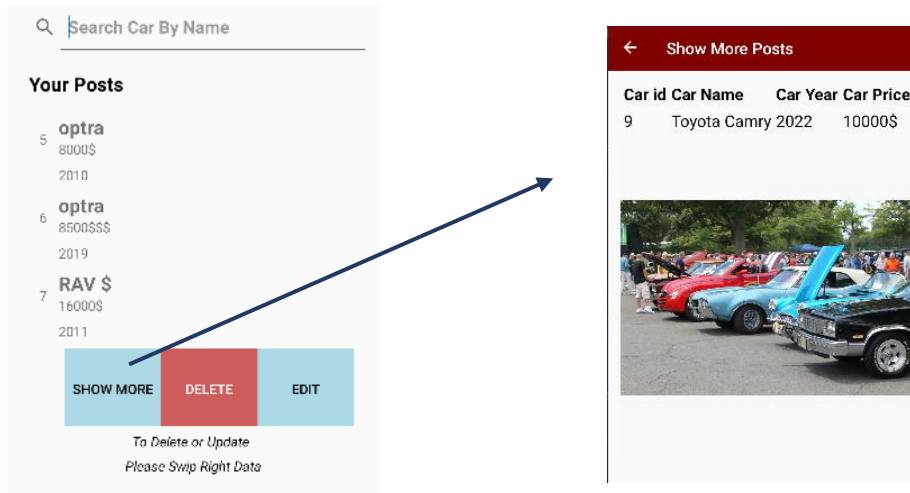
And for image we use Carousal View we insert it the three images swipe right on image will see another image.

9 Conclusion

Information Technology (IT) is used to evaluate and build system developments for making our lives easier and fast. The buying and selling online car System for car display needs to be computerized to reduce human errors and to increase efficiency. The proposed project will be a computerized buying and selling system developed for overcoming the problems that can happen in manually buying and selling. Cars are the most important factor in day-to-day life and also, it's becoming a core component of the future. So, the goal is to develop such a sustainable online Buy and Sell system that will be a real-time problem solver inside of the Kurdistan. The system will be developed as a common platform for both buyers and sellers to trade their cars. And also, for those who want to rent a car with or without a driver. The features will provide opportunities to anyone familiar with the technologies like mobile phones or computers to Buy and Sell cars. This system will be a one-stop solution for all car-related issues.

10 References

1. Youtube.com. 2022. [online] Available at:
<https://www.youtube.com/watch?v=ZxmHgPtC6ts&list=LL&index=12> [Accessed 24 March 2022].

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<https://www.iconsdb.com/> [Accessed 25 March 2022].

3. *Youtu.be*, 2022. [Online]. Available: https://youtu.be/VG0t-bZ26UQ. [Accessed 24 March 2022].