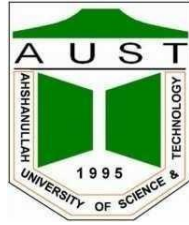


Ahsanullah University of Science & Technology
Department of Computer Science & Engineering



Shopify App

Software Engineering III (CSE 2200)

Submitted By:

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ABSTRACT

The project titled “*Shopify App*” is a online based software for buy and sell goods in online market places. This project will be developed in Android Studio and database management will be handled by FireBase. This software mainly focuses on daily needs of a family or person to buy his everyday product including his meals and all kinds of products. In this platform there is some special features like customer login and administrative login. New customer can open a user account quite easily after filling up a registration form provided with username and password. It also has facility where customer after logging in their account can see the list of available product, types of products to search easily. And also the customer can select different type of food in a single bill. There will be a report option for the customer to suggest anything about the food quality to improve which later can be viewed by the admins for the betterment of this platform.

Overall the key purpose of this project is to provide a friendly environment to the customer as well as the stuffs of the shop to maintain the environment of the shop the best way possible and help reduce the human efforts. In fact, in this pandemic situation they can order product and take home delivery and make their life easier by staying home.

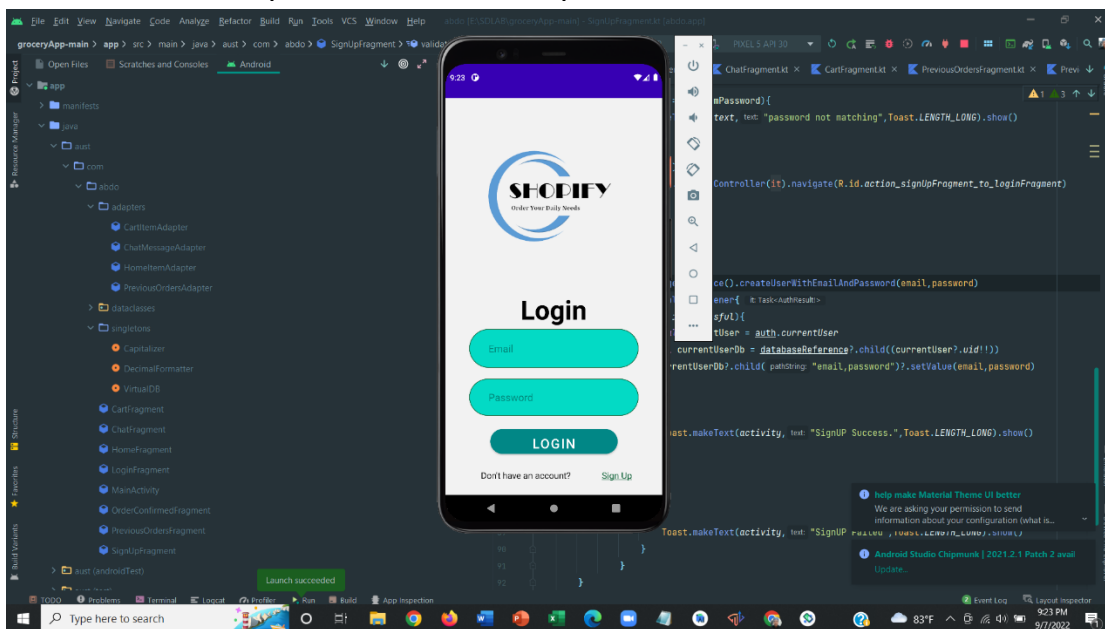
Software Platform:

- The project will be developed using Android Studio.
- Kotlin.
- FireBase server.

Our Implementation in the Project:

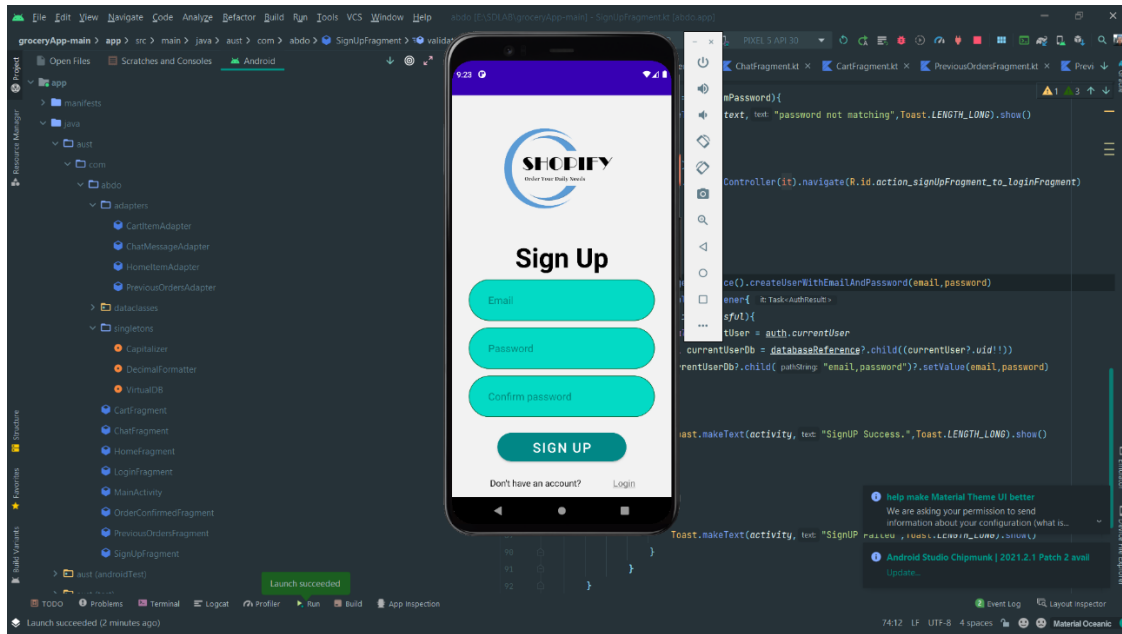
- **Customer Login:**

This feature gives user to login to the system. A user can log in to the system by providing username and password. After proper verification of the username and password, valid user will be allowed to enter into the system. A username and password mismatch will not allow someone to enter into the home page and the user will be asked to re-enter his/her username and password. The customer login will allow a customer to access the general features of the Shop: search, place order, view bills, order details, etc. The user can also view his profile and edit his profile information.



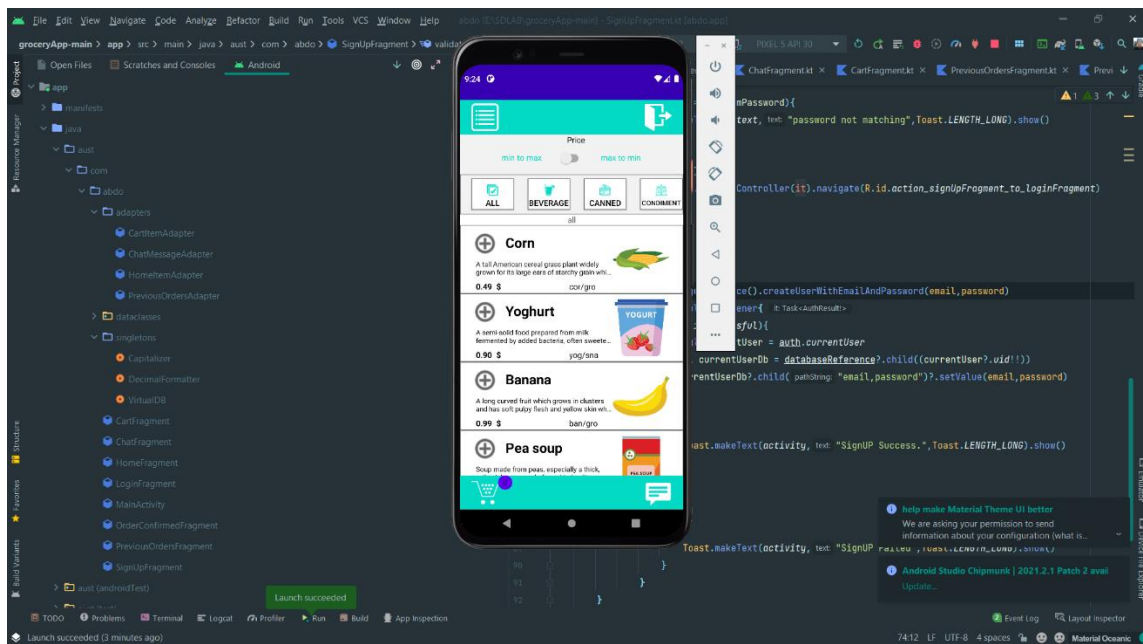
- **New Customer Registration:**

This feature allows any customer to create an account for himself. This option will be available at the start of the program. A new customer has to fill up a registration form by providing his name, email, contact no, address and password. After providing valid information a new user can create an account for himself and later he will be allowed to enter into the system.



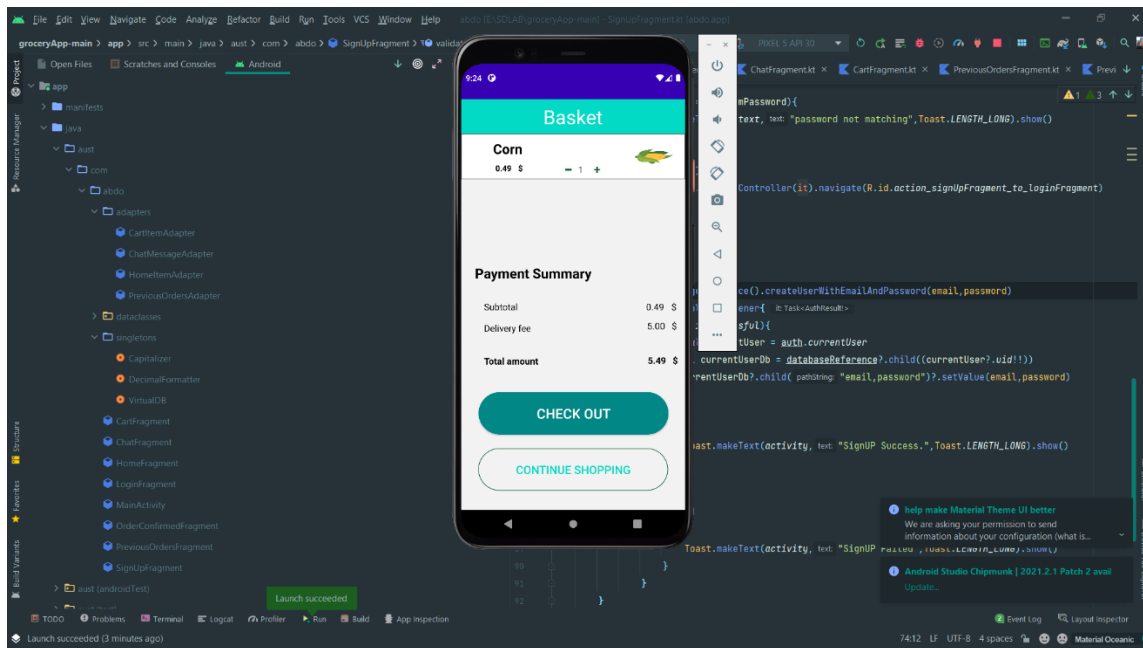
- **Manage Product Category:**

This feature allows a user to choose what he/she exactly need from our shop by finding it in a short time by selecting category.



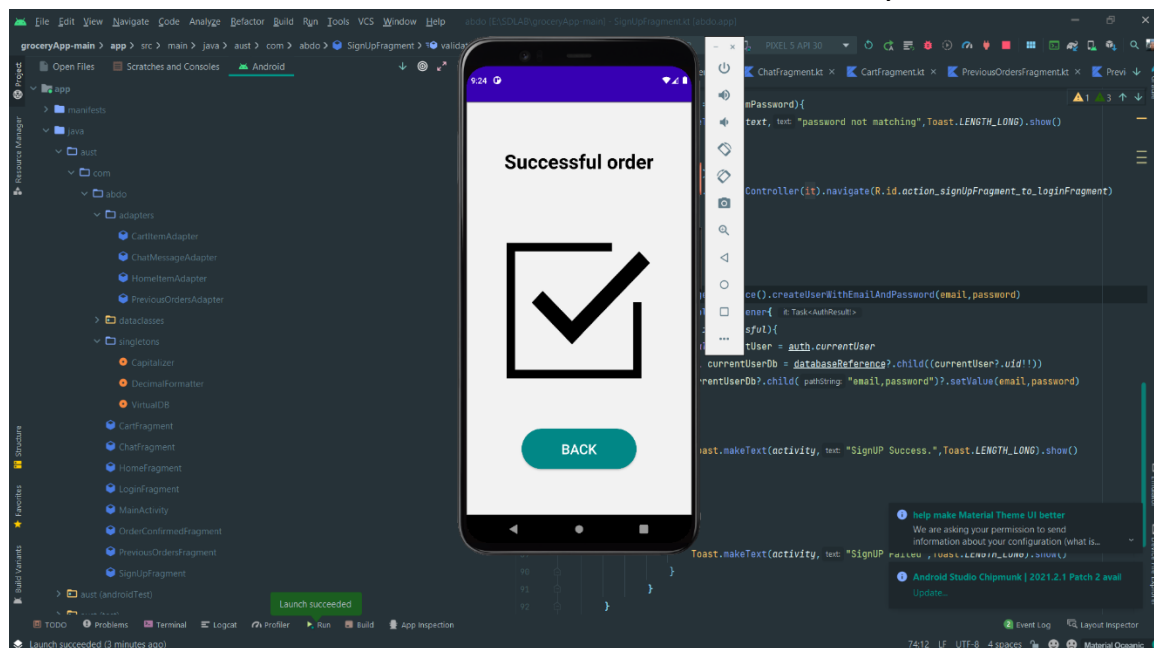
- **Payment gateway:**

This feature allows a customer to pay the bill through online by the digital payment gateway or can take home delivery and do cash on delivery also.



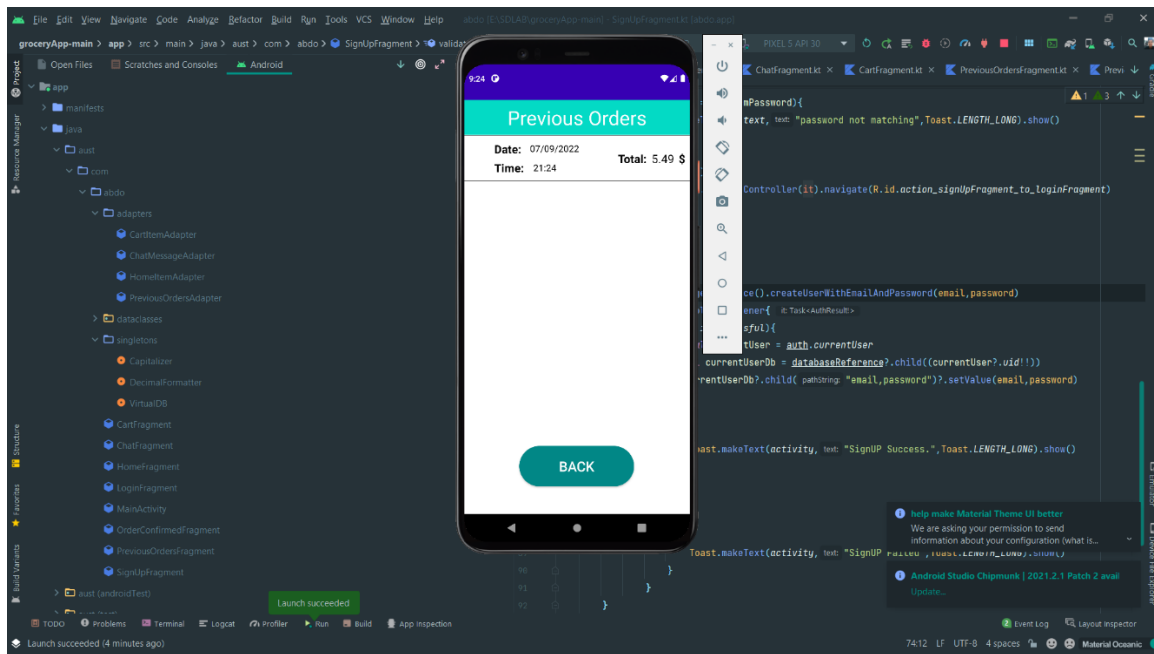
- **Order Confirmation:**

This feature can be executed by user. This feature allows all the user to confirm their order and also make them aware about their delivery time.



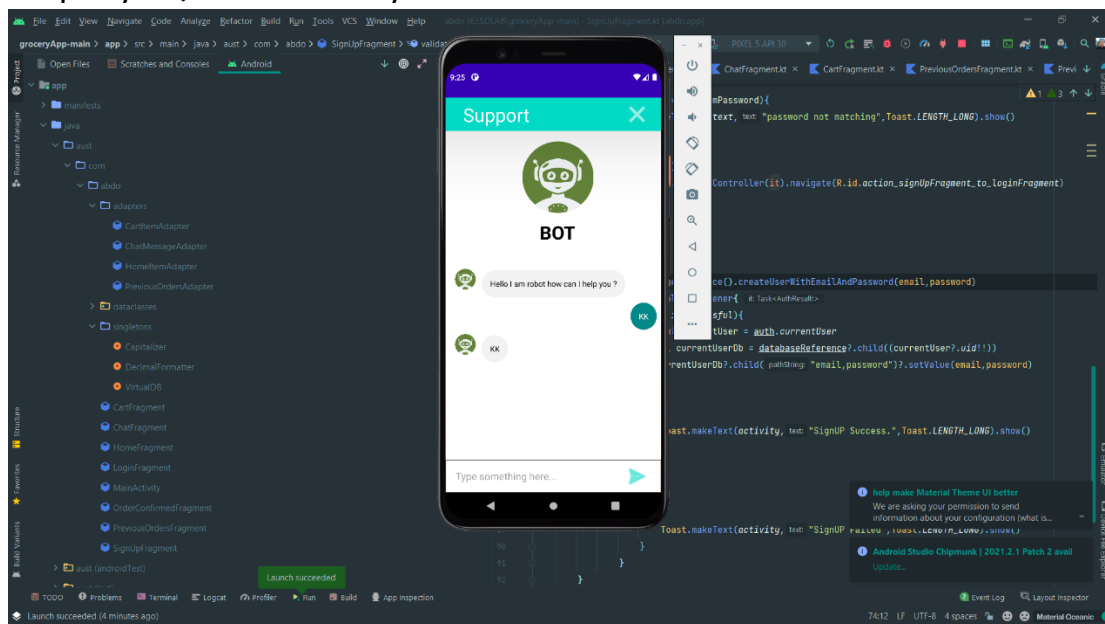
- **Previous Order:**

This feature allows a user to see his/her previous order that he/she ordered in past in case of emergency or to check the history.



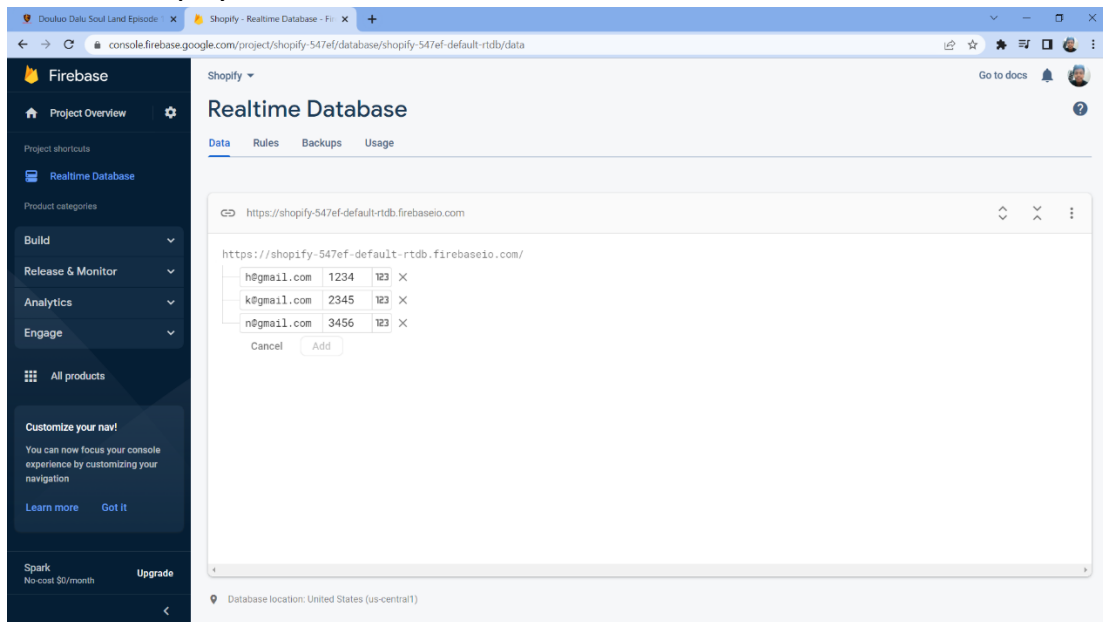
- **Chat Bot:**

This feature allows a user to do complain or to communicate to our server through a chat bot based on AI. When he/she needs help or have any kind of query he/she can easily use it.



- **Database:**

We connect the whole system into a database. We have Used FireBase database for this system. We store all our data and backup in this database called “Shopify” database.



- **Other Features:**

We have used buttons to login, signup, logout, save, clear, search, back, exit, etc. These buttons are used to perform some specific action in the system. We have designed this UI using linear layout in Android Studio.

Future Plan:

- In future we want to convert our project into cloud database. The reason behind this conversion is to have lower software cost, improve performance, fewer maintenance issue, instant software updates and increased data safety.
- We want to add new feature like in forget password system, we will connect it through email for two step verification.
- We may create new features like online home delivery. We see it became very helpful in this pandemic situation.
- We want to add a feature where user can rate us after receive our service through the application.
- In future we will add new more features to make it more perfect & useful at the same time.
- We want to build more software like this to make our life easy & comfortable.