INSTRUCTIONS

Pre-Requisites: Java, Android Studio.

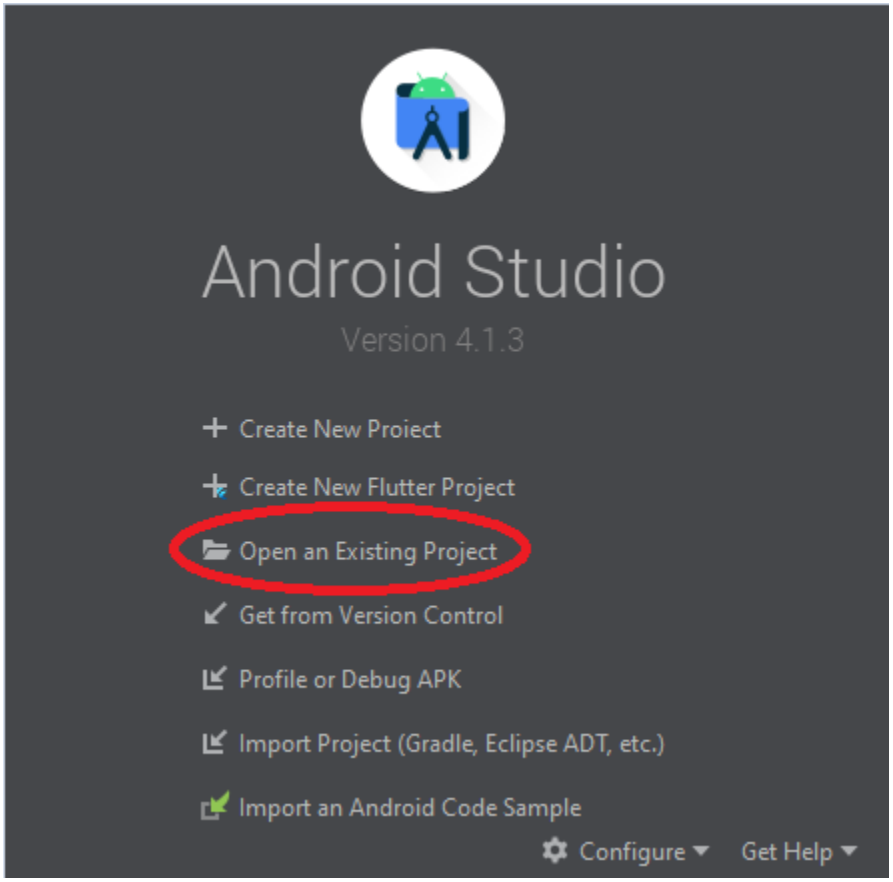
Step-1: Installing the Java and Android Studio.

- Please follow the instructions in the following links: Android Studio Installation, Java Installation.

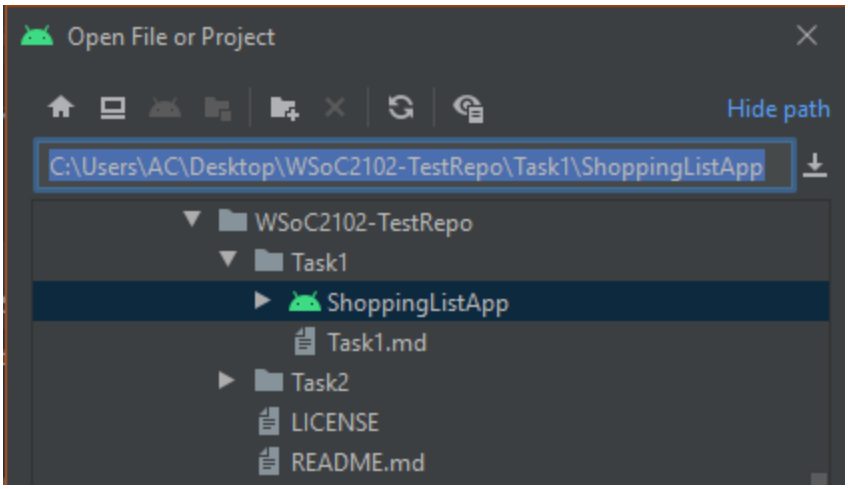
Step-2: Running the Application.

After the installation, Launch the Android Studio then:

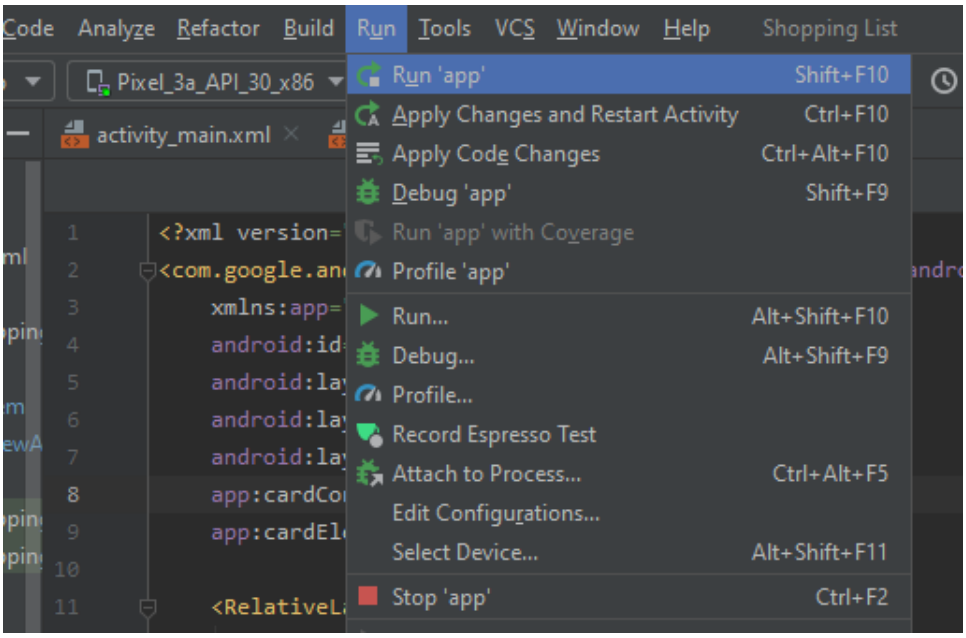
- Goto Open an Existing Project



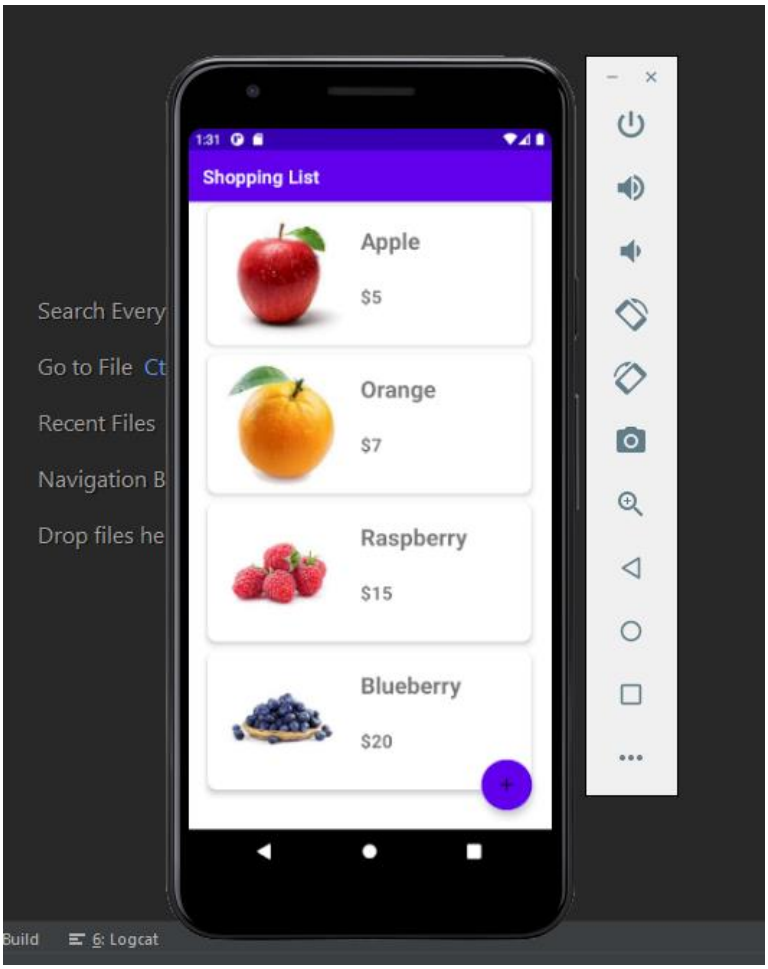
- Navigate to the ShoppingListApp, lets say for example => C:\...\WSoc2102-TestRepo\Task1\ShoppingListApp and then click Ok.



- Now the project will be opened and it's going to download some files.
- After the completion of downloads, On top goto Run > Run 'app'



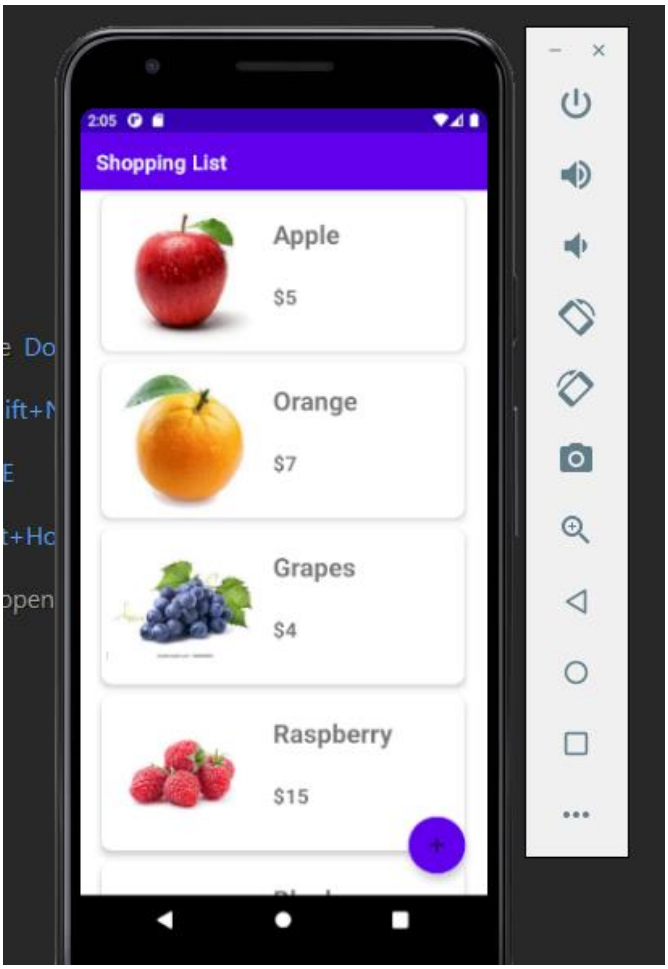
- Then the AVD (Android Virtual Device) is going to open and our Shopping List App is going to be launched.



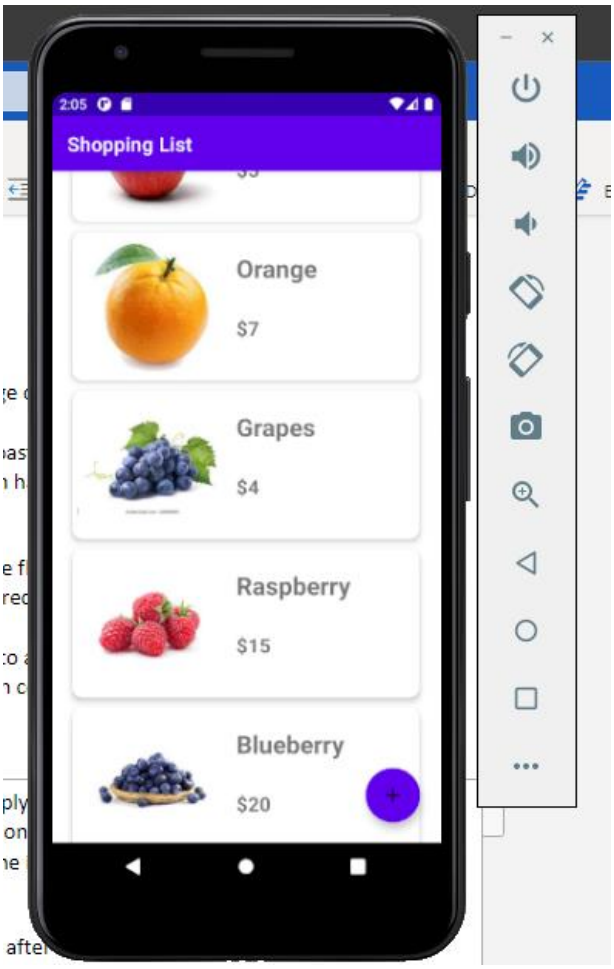
Step-3: Playing with the Shopping List Application.

Interface:

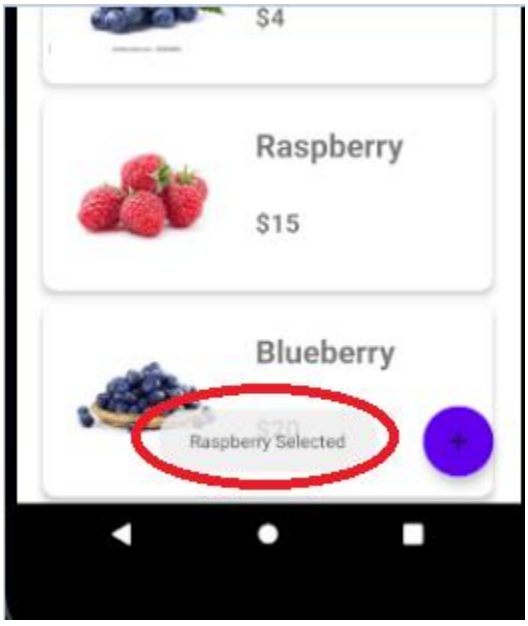
- Initially I have added some default data so that we can see how the interface is going to be.



- We can see the Name, Price and Image of the items as a card View and also, we can scroll the list of items.

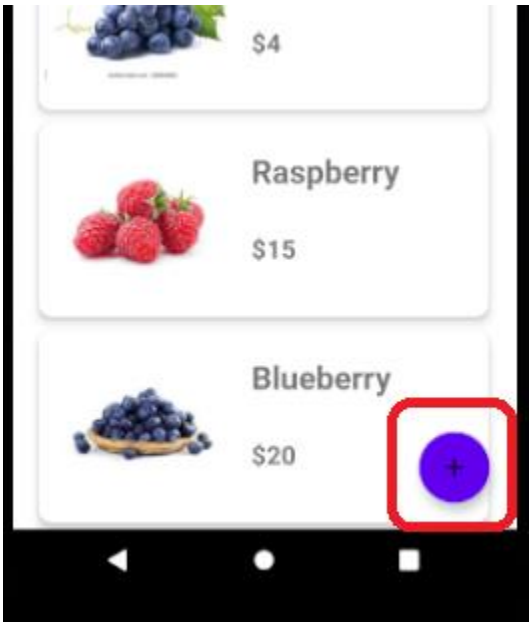


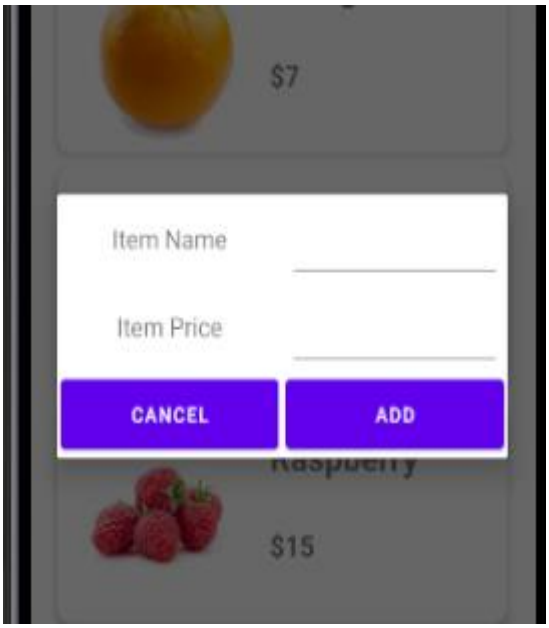
- On clicking the items, we can see a Toast message at the bottom of the screen saying that the respective item has been clicked.



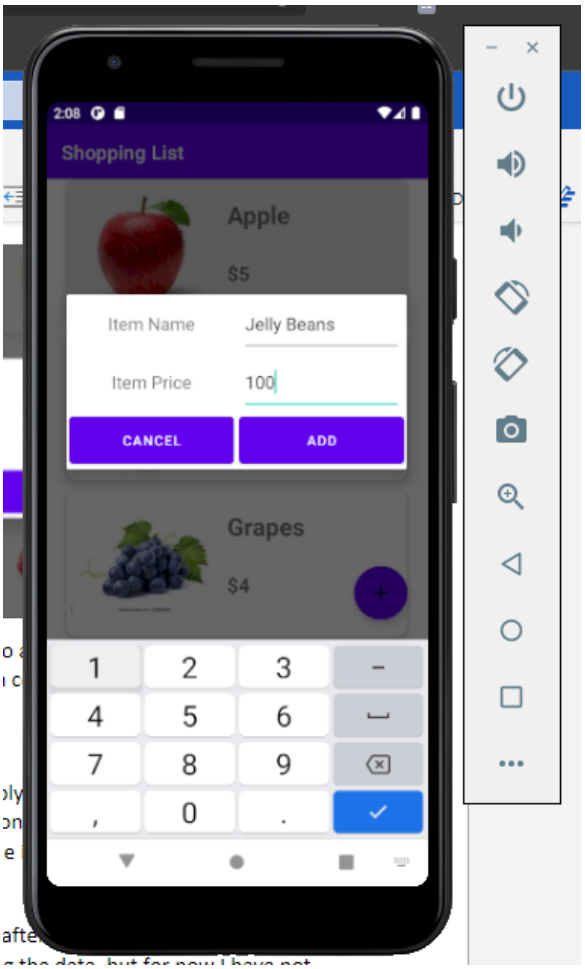
Adding Items Into List:

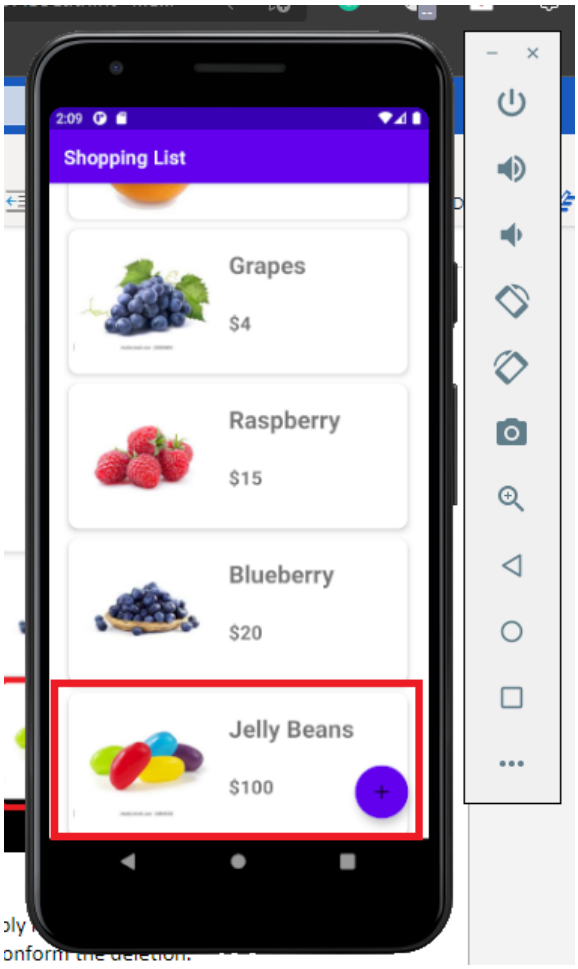
- Now for adding a item, we can use the floating button at the bottom right. On clicking on it a dialog box is appeared asking us to fill the details of the item.





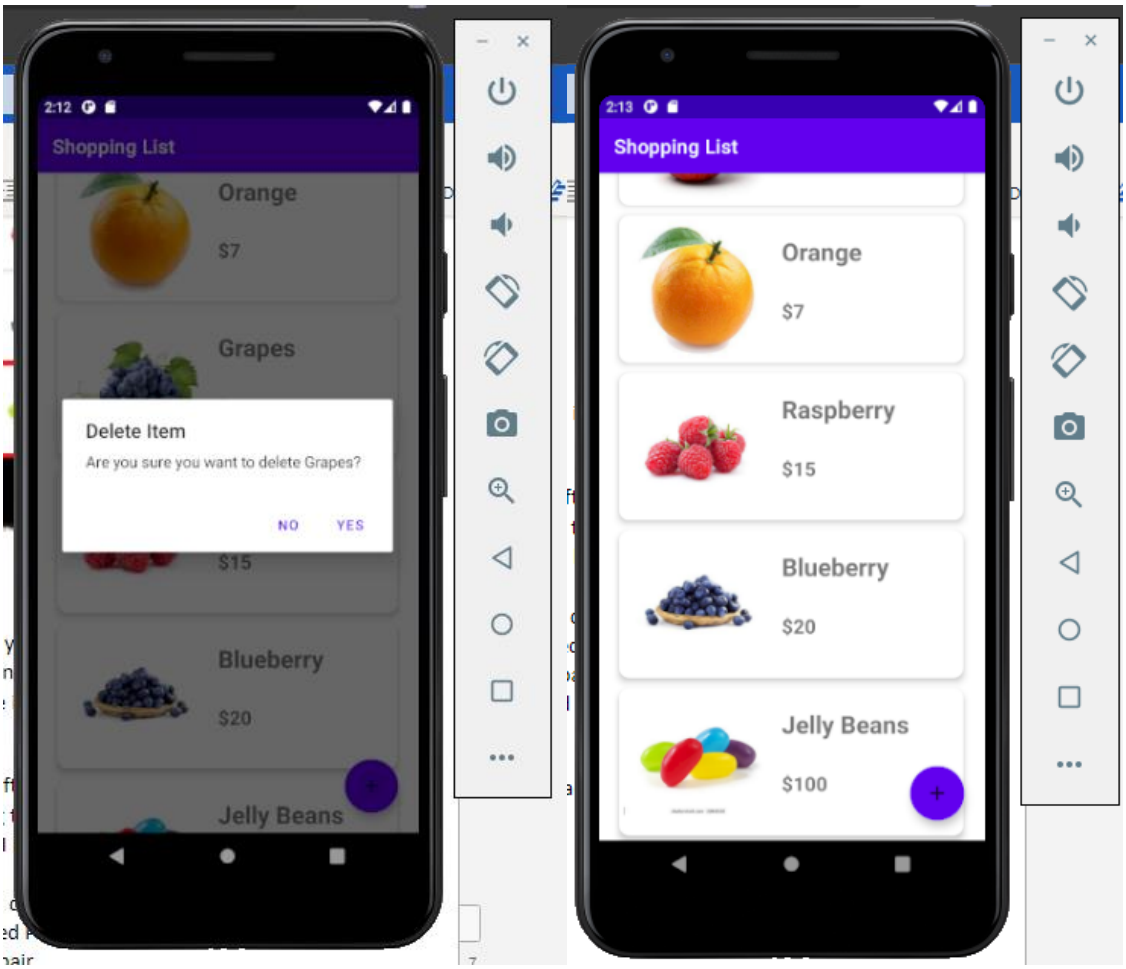
- On filling the details, we can click Ok to add the item and a Toast message is appeared on the bottom of the screen conforming that the item is added successfully.





Deleting Items From List:

- Now for deleting an item we can simply long press the respective item and a pop message is going to appear to conform the deletion.



- And that's it we can add and delete the items into our list.

Special Feature:

- We can have the changes saved even after closing the application.
- Normally we use a database for storing the data, but for now I have not used the database. But instead of that I have used Shared Preferences in Android Studio.
- Android provides many ways of storing data of an application. One of this way is called Shared Preferences. Shared Preferences allow us to save and retrieve data in the form of key, value pair.
- Later on I'm going remove that and add the database.

Conclusion

- Further I'm going to improve the interface, integrate camara for adding the items and also integrate a database.