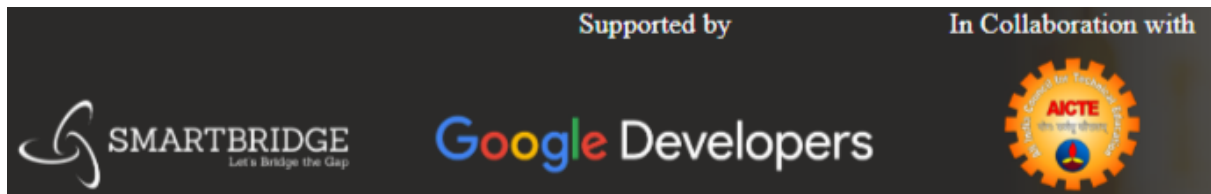


A Technical Project Report On
GROCERY APP - "GroceryExpress"
-USING KOTLIN IN ANDROID STUDIO



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LAUNCHING

- **ABSTRACT :**

App making using Kotlin has been becoming popular since Kotlin language made its debut. Android Studio is an open and free App app making Software. Google team developed it to ease the android making. It helps develop the apps for Android Mobiles, TV's, Watches and other various platforms. It provides users the power of SQL Database and let them build the app that can store user data without any casual loss of data.

- **OBJECTIVE:**

The goal of the my project is to develop an android app which store the user items in a list and user can modify and delete the added item in list.To develop such an honest system ,We can deduct our need as follows:

- I. Develop an app system in which a user can add item details like product name,product Quantity and Product Price.
- II. Develop room database to store the user data which already added by the user in list and user can also remove the previous added item from the list.
- III. Develop the user interface for easy accessing and adjustment of data.
- IV. Develop a User Interface supported by almost every androidplatform.

BACKGROUND & DIAGRAMS

- **BACKGROUND:**

"GroceryExpress" is a project that will help the user or admin to store the list of items in successive order. If user wants to add extra items, It can be possible to do so and if user wants to remove the previous items, It can also be possible. The following are the tasks to develop the app .

1. UI Design in Android Platform.
2. Android App making.
3. Database Connection to store user data.

- a. **Studies:**

1. Design user friendly UI .
2. Connecting database .
3. Add icon for good UI .
4. Create the vectors and Colours .
5. Navigation of user action from one page to another page.

- b. **Challenges:** Working with database friendly UI design for UXGradle and SDK settings
- c. **Context Diagram:** Use Care Diagram of Admin

REQUISITES:

- **SOFTWARE:**

The Software Package is Developed Using Kotlin and Android Studio. It uses basic Sql Commands to Store the data in the Room Database

OS: Windows 11 Home Single Language

Android Emulator : pixel 5 API 31

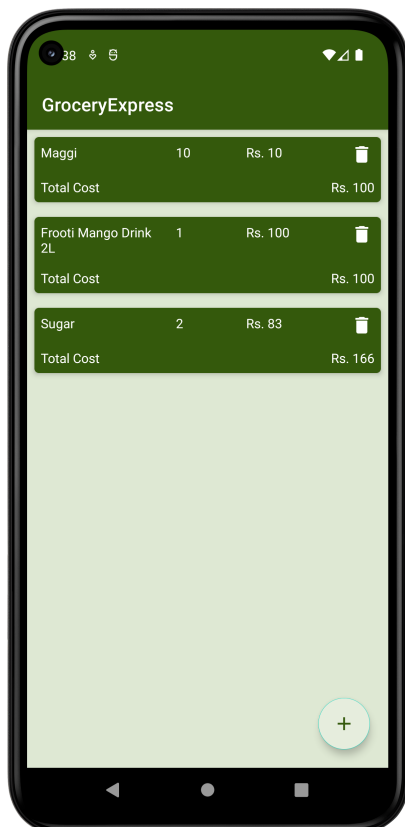
HARDWARE:

RAM : 8GB RAM

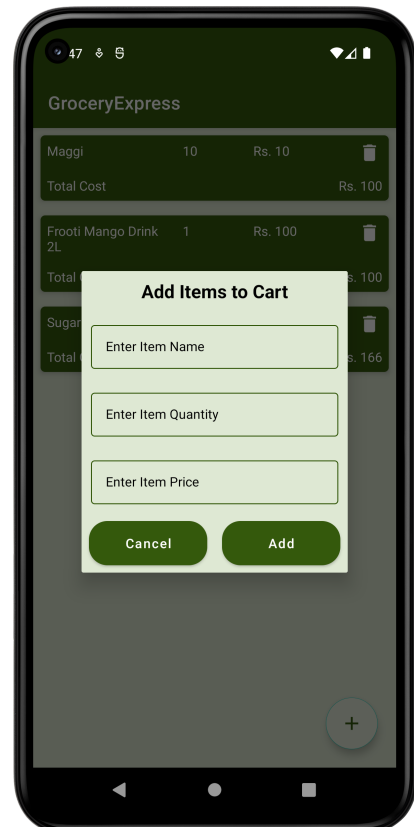
ROM : 512 GB

PROCESSOR : AMD Ryzen 5 3500U with Radeon Vega Mobile Gfx 2.10 GHz

HOME PAGE AND GROCERY LIST



ADD ITEMS TO CART



FUTURE SCOPE:

This app help to store the list of items by Users. In Future we can also add various other options such as adding special note, sharing real time list with another users so as to get updates in lists while shopping. This feature will also be useful when a group of users will go to shopping together.

The Feature are:

1. Add User Panel
2. Add Admin Panel
3. Provide Login check
4. Add image to user product and rating
5. Add real-time data sharing among various users.

CONCLUSION:

This app will help to store the list of items, Data includes name, price and quantity. Mostly people when they go to shopping they commonly forget about the items they wanted to buy and the quantity also. So in such a situation our app comes into action where users store a list of data items as well as their quantity