

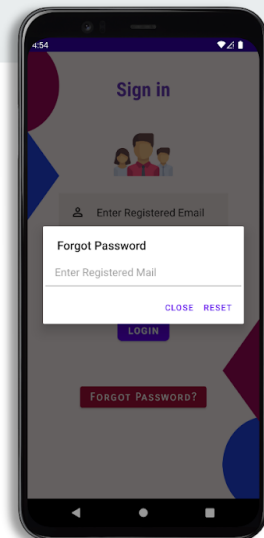
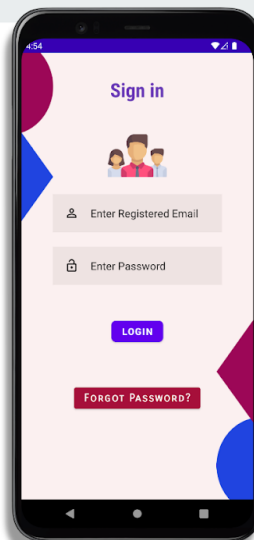
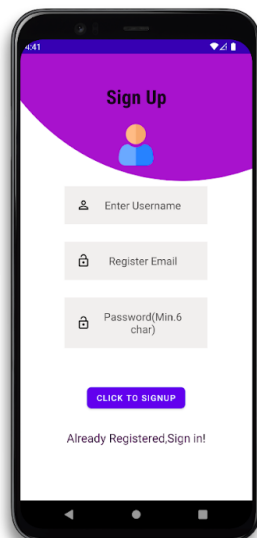
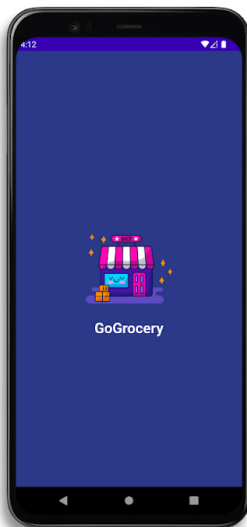
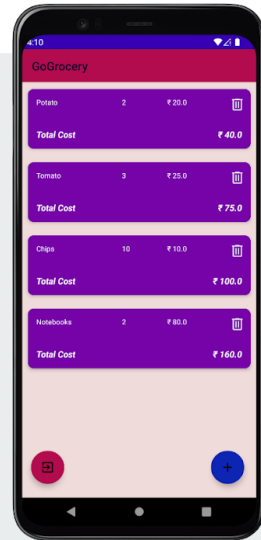
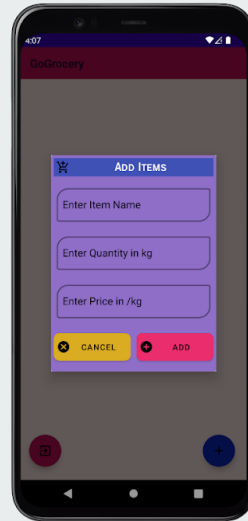
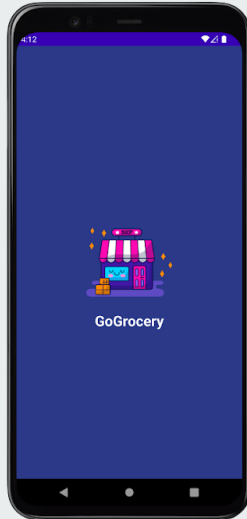
Smartintenz Internship Project Report

-Submitted by [Harsh Tiwari](#)



GoGrocery

Easy to use Android based application where the user can make a list of the groceries they intend to buy



Project Title

Virtual Internship - Android Application Development Using Kotlin

[GoGrocery](#) - A Grocery Android App

Problem Statement

As we can't remember everything, users frequently forget to buy the things they want to buy. However, with the assistance of this app, you can make a list of the groceries you intend to buy so that you don't forget anything

Introduction

In this project, we are using MVVM (Model View ViewModel) for architectural patterns, Room for database, Coroutines and RecyclerView to display the list of items and Firebase is used for authentication through email/Password

Technologies-Used

1. **MVVM** (Model View ViewModel)

MVVM architecture in android is used to give structure to the project's code and understand code easily. MVVM is an architectural design pattern in android. MVVM treat Activity classes and XML files as View. This design pattern separates UI from its logic.

2. **RecyclerView**

RecyclerView is a container and it is used to display the collection of data in a large amount of data set that can be scrolled very effectively by maintaining a limited number of views.

3. **ROOM Database**

Room persistence library is a database management library and it is used to store the data of apps like grocery item name, grocery item quantity, and grocery item price. Room is a cover layer on SQLite which helps to perform the operation on the database easily.

4. Coroutines

Coroutines are a lightweight thread, we use a coroutine to perform an operation on other threads, by this our main thread doesn't block and our app doesn't crash.

5. Firebase

Used for user email and password authentication or to register them in

URL's:

Git Repo Hub URL:

[smartinternz02/SPSGP-90050-Virtual-Internship---Android-Application-Development-Using-Kotlin: Virtual Internship - Android Application Development Using Kotlin \(github.com\)](https://github.com/smartinternz02/SPSGP-90050-Virtual-Internship---Android-Application-Development-Using-Kotlin)

Demo Video URL:

<https://youtu.be/kKnYTWJ1js4>

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-Harsh Tiwari