

A Technical Project Report

On

GROCERY APP - USING KOTLIN

IN ANDROID STUDIO

SUBMITTED BY

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UNDER



DATE OF SUBMISSION: 31-Oct-2022

INDEX

CHAPTER 1: Introduction

1.1 Abstract.....1

1.2 Objective.....1

CHAPTER 2: Background & Diagrams

2.1 Background.....2

2.2

Studies.....2

2.3

Challenges.....2

2.4 Context Diagram.....3

CHAPTER 3: Requirements

3.1

Software.....

4

3.2Hardware.....

.....4

CHAPTER 4: Implementation and Designing

4.1 Home

Page.....5

4.2 Pop

Up.....5

CHAPTER 5: Conclusion and Future Scope

5.1

Conclusion.....6

5.2 Future

CHAPTER-I

1.1 Abstract:

ANDROID APP KOTLIN has been gaining popularity since it made its debut

Android Studio is an open and free which is used to develop the android application for mobile's, TV's, Watches and other Android OS, It provides leverage the power of SQL Database and build a app that shows items added by user.

1.2 Objective:

The goal of the my project is making an app which store the user items in cart and user can modify and delete the added item in list. To develop a reliable system, I have some specific goals such as:

- Develop a system such that user can add item details like product name, product Quantity and Product Price
- Develop a database room which is used to store the user data which already added by the user in cart and user can also remove the previous added item in cart
- Develop the good UI design which user friendly to user
- Develop the good UI which is supported for all android devices

CHAPTER 2

Background & Diagrams

2.1 Background:

Grocery app is a project that will help the user or admin to store the list of items in sequence order. If user wants to add extra more items also possible and if users want to remove the previous items also available.

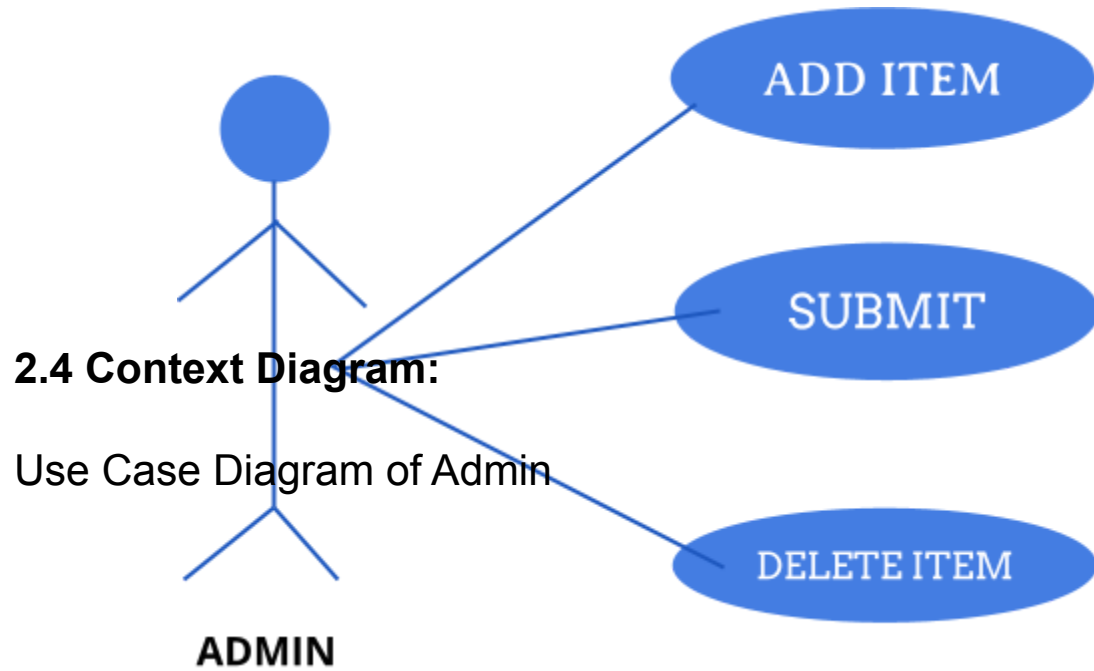
- UI DESIGN IN ANDROID PLATFORM
- ANDROID APPLICATION DEVELOPMENT
- DATABASE CONNECTION TO STORE USER DATA

2.2 Studies:

- Design user friendly environment
- Connecting database
- Add material icon for good UI
- Create the vectors and Material Colors
- Navigation of user action from one page to another page

2.3 Challenges:

Working with database friendly UI design for UX Gradle and SDK settings



CHAPTER 3

REQUIREMENT OF COLLECTION AND ANALYSIS:

3.1 SOFTWARE:

The Software Package is Developed Using Kotlin and Android Studio.
Basic SQL Commands Used to Store the Database

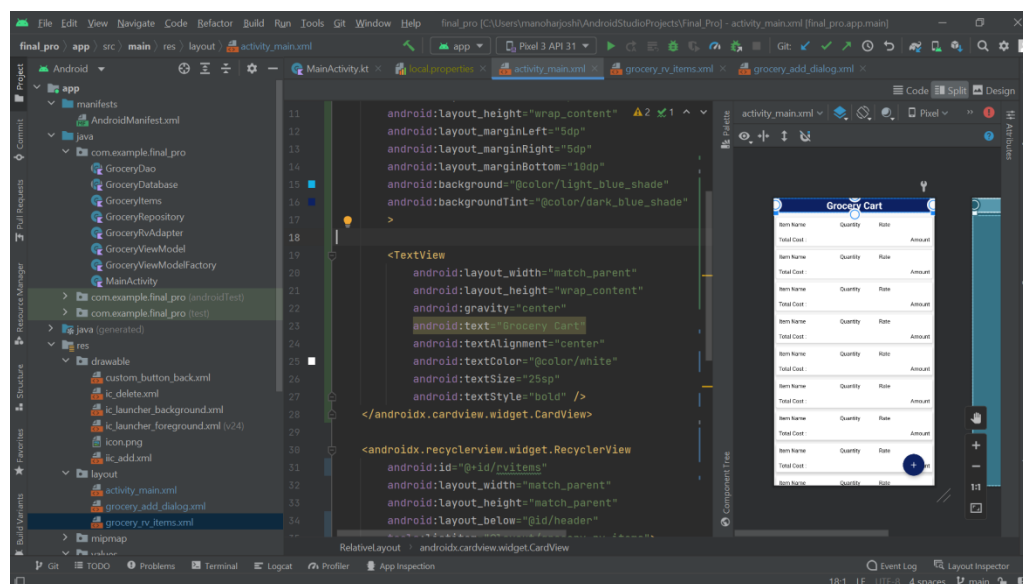
Operating System: Windows 11
Software: Kotlin and Java
Emulator: Pixel 4 (Api 30)

3.2 HARDWARE:

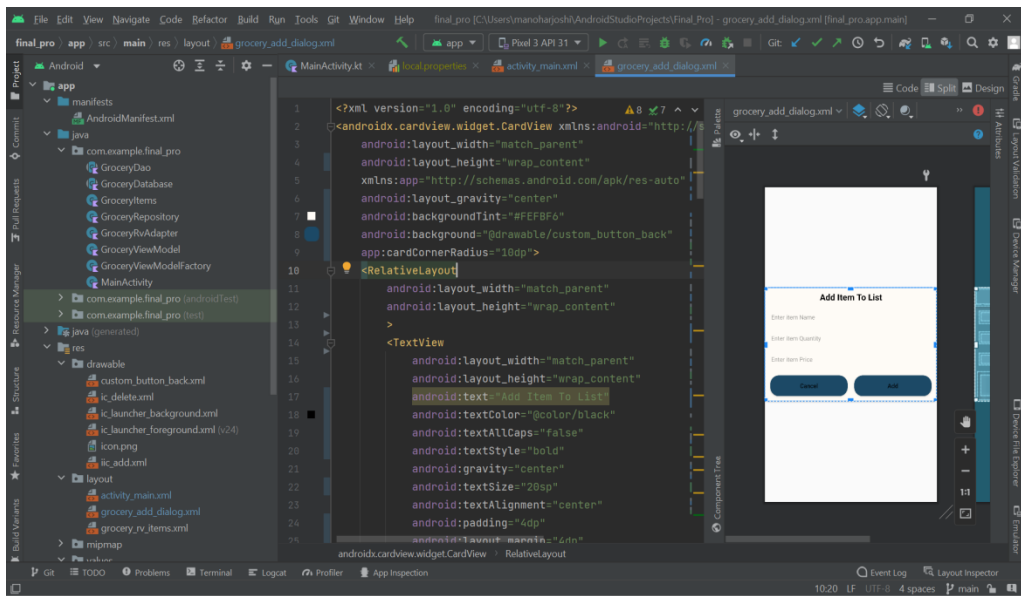
RAM: 8GB RAM
ROM: 20GB

CHAPTER 4

4.1 HOME PAGE & LIST ITEMS:



4.2 POP UP PAGE



CHAPTER 5

5.1 Conclusion:

This application will help to store the list of items that include name, price, and quantity. Most of shopping admins want to store the data in a list; the application is very helpful for them. Not only in shops and admins, also helpful for users who want to buy and what they want to buy.

5.2 Future Scope:

This application helps to store the list of items by Admin. In the future, we can also add a user panel which is added by user required items that are submitted to admin.

The Features are:

- Add User Panel
- Add Admin Panel
- Provide Login authentication
- Add image to user product and rating

