Project Report

on

A basic Grocery App

Submitted By

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Under

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Introduction

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.Android mobile development has been Kotlin-first since Google I/O in 2019.

Using Kotlin for Android development, you can benefit from:

  i.   Less code combined with greater readability. Spend less time writing your code and working to understand the code of others.

  ii.   Mature language and environment. Since its creation in 2011, Kotlin has developed continuously, not only as a language but as a whole ecosystem with robust tooling. Now it's seamlessly integrated in Android Studio and is actively used by many companies for developing Android applications.

  iii. Kotlin support in Android Jetpack and other libraries. KTX extensions add Kotlin language features, such as coroutines, extension functions, lambdas, and named parameters, to existing Android libraries.

  iv.   Interoperability with Java. You can use Kotlin along with the Java programming language in your applications without needing to migrate all your code to Kotlin.

  v.   Support for multiplatform development. You can use Kotlin for developing not only Android but also iOS, backend, and web applications. Enjoy the benefits of sharing the common code among the platforms.

  vi.   Code safety. Less code and better readability lead to fewer errors. The Kotlin compiler detects these remaining errors, making the code safe.

  vii. Easy learning. Kotlin is very easy to learn, especially for Java developers.

  viii. Big community. Kotlin has great support and many contributions from the community, which is growing all over the world. According to Google, over 60% of the top 1000 apps on the Play Store use Kotlin.

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.
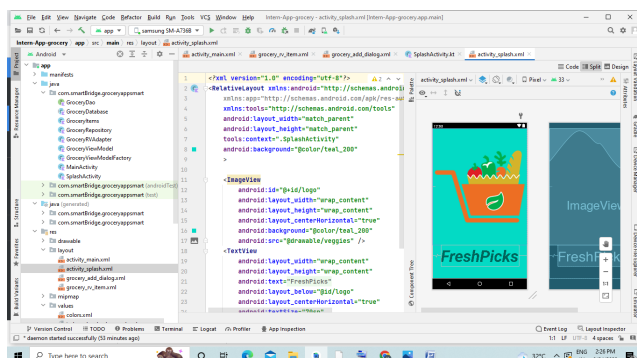
i.   The name of my application is FreshPicks
ii.   It has feature such that user can add item details like product name,product Quantity and Product Price
iii.   A Database room which is used to store the user data which already added by the user in cart and user can also remove the previous added item in cart
iv.   UI Design which is user friendly
v.   Developed the good UI which is supported for all android devices

Requirements

✓ Software: Android Studio
✓ Operating System: Windows 10
✓ Ram:8 GB
✓ Language: Kotlin and Java
✓ Debugging Tool:Mobile Device (Samsung A73 5G)
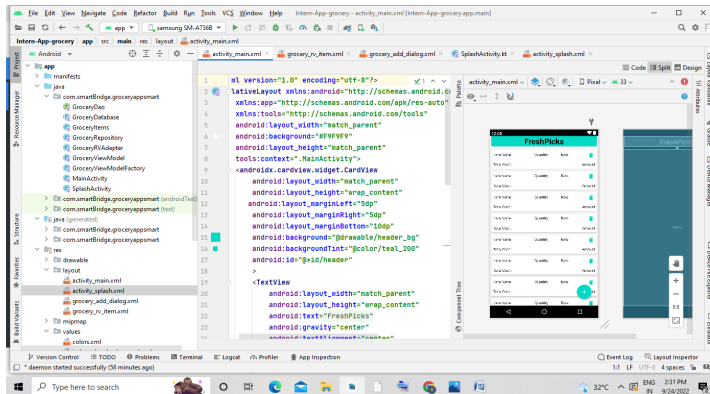
Designing

● This is the first screen of the app i.e. splash screen .
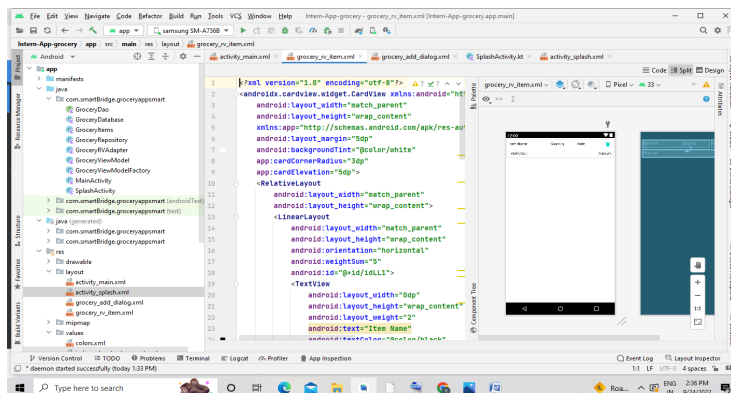   below is the xml layout file.

● This is the screen of the app in which we keep our item which we are going

to buy also we can remove the item if we dont want to buy.
below is the xml layout file.

● Tis screen shows the code for the recycler view included in the project
below is the xml layout file.

Conclusion & Future Scope

This application will help to store the list of items include name price and quantity.It also gives a very user friendly view for the user to interact.
This application is a very basic app of grocery help to store the list of items by

Admin.In future we can also add user panel which is add by user required item that are submitted to admin and also many features like the list of item already

present on the store also various payment gateways, offers store is having.

There are many such functionality required to be added to make it a full fledged grocery application.