# *Aim* ---> Build 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.

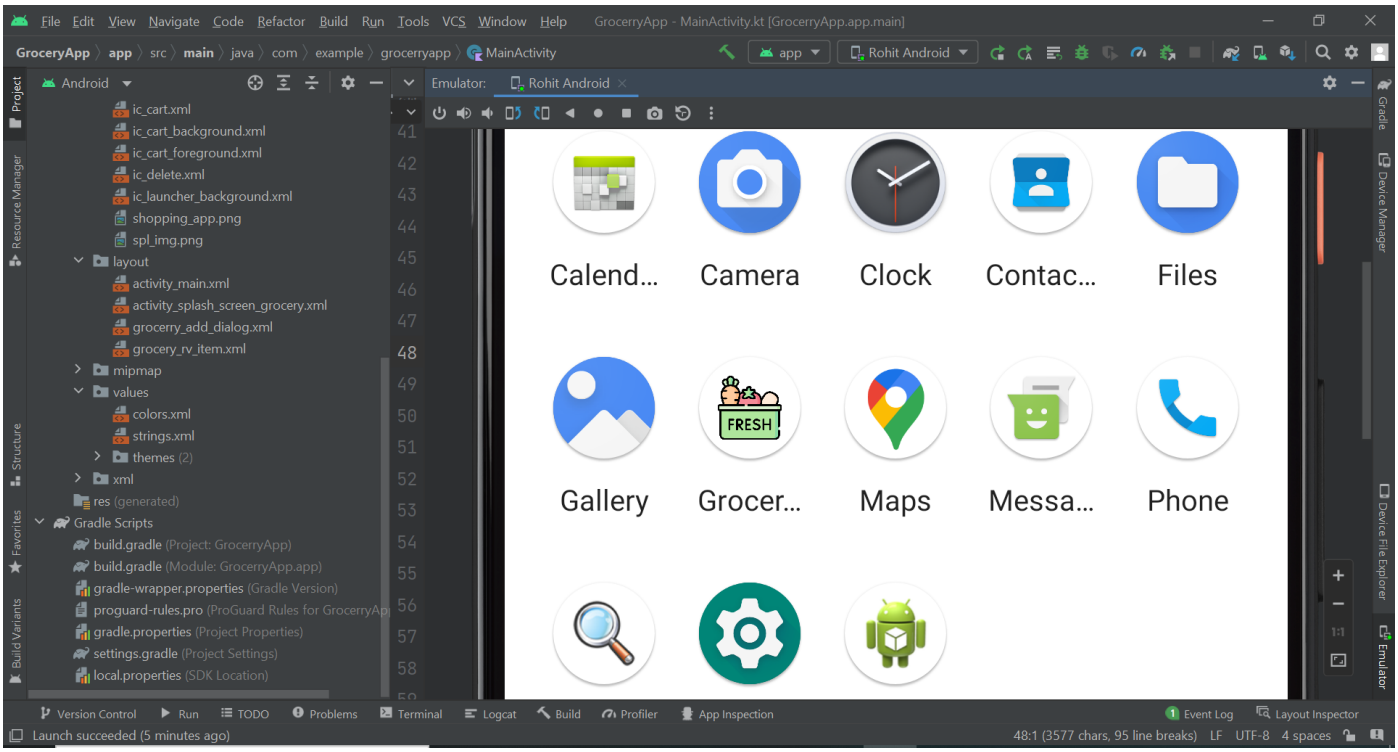
***Solution  -->***

Build a grocery application in android using android studio. Many times we forget to purchase things that we want to buy, after all, we can’t remember all the items, so with the help of this app, you can note down your grocery items that you are going to purchase, by doing this you can’t forget any items that you want to purchase.

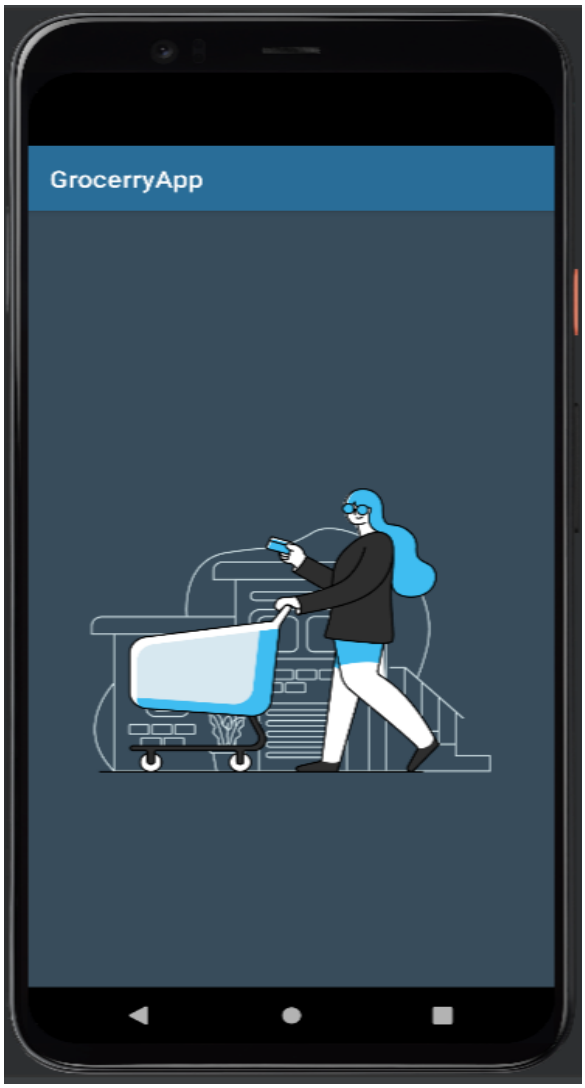
- In this project, we are using MVVM(Model View ViewModel) for architectural patterns, **Room** for database,Coroutines and RecyclerView to display the list of items.
- Language used --- **Kotlin**

## ***GROCERY APP***

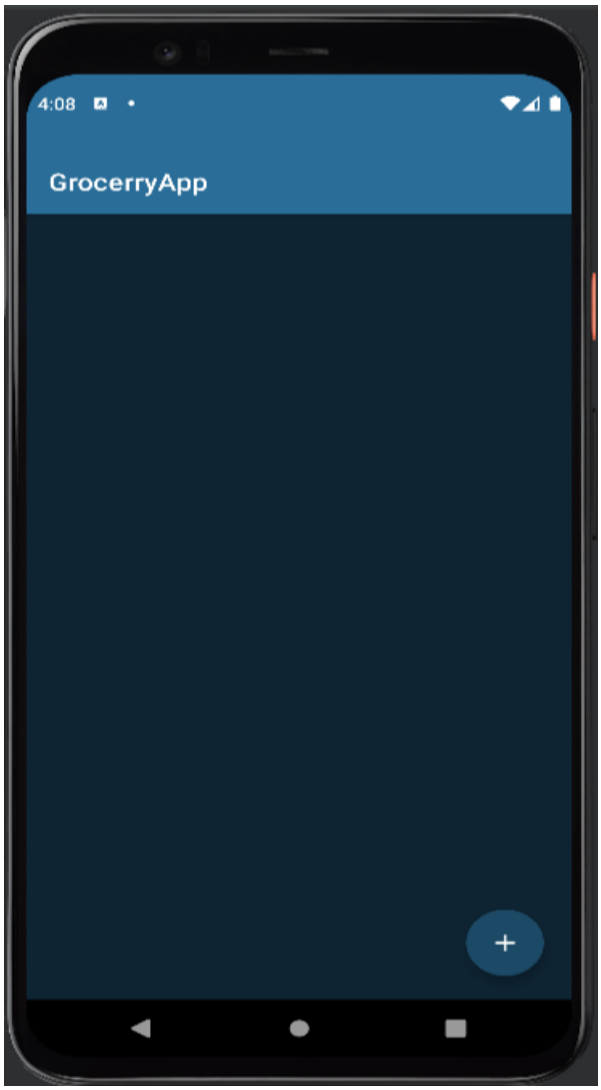
ICON



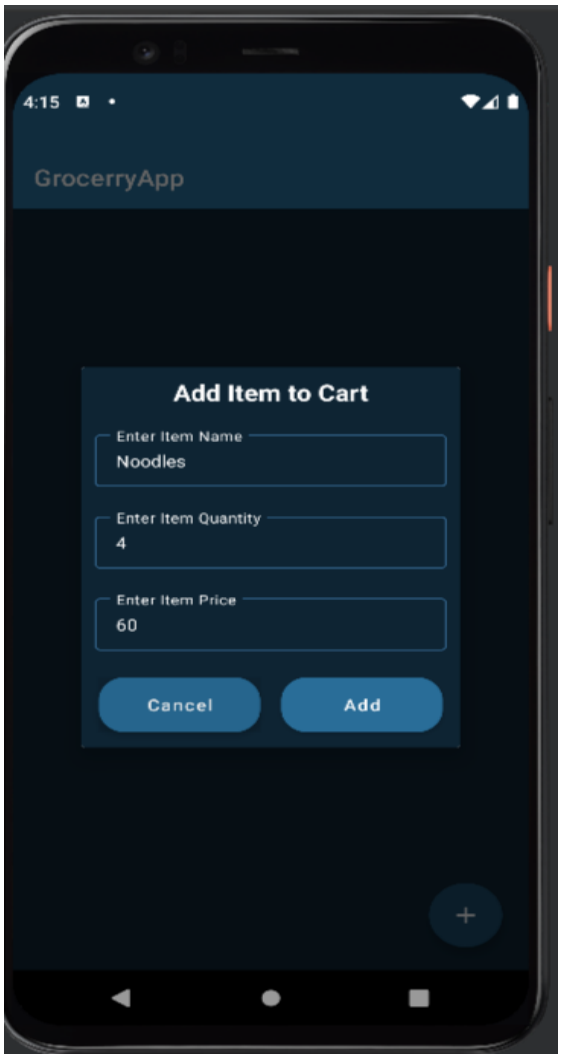
Splash Screen



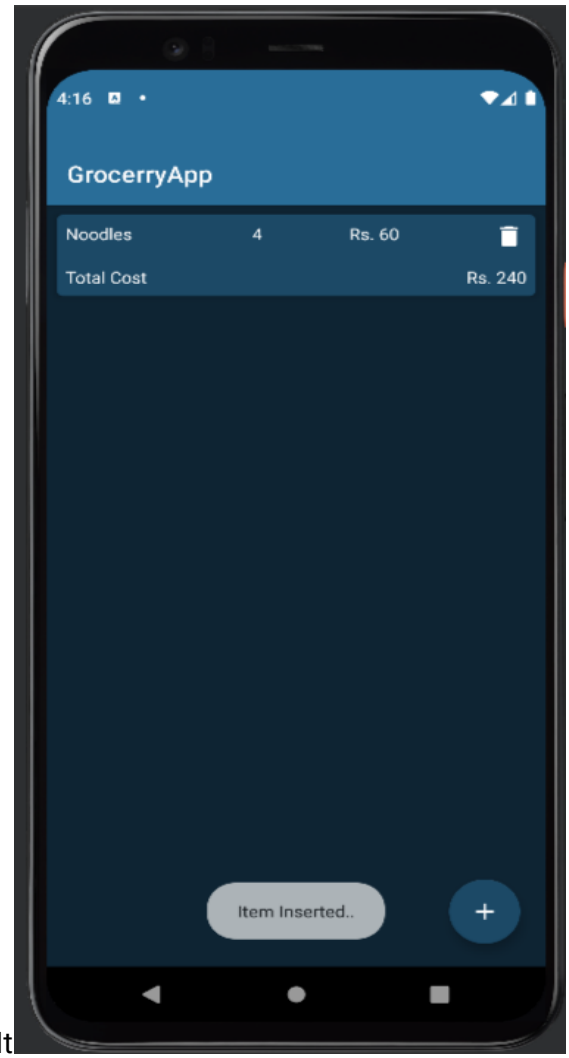

After Splash Screen



Dialog Box

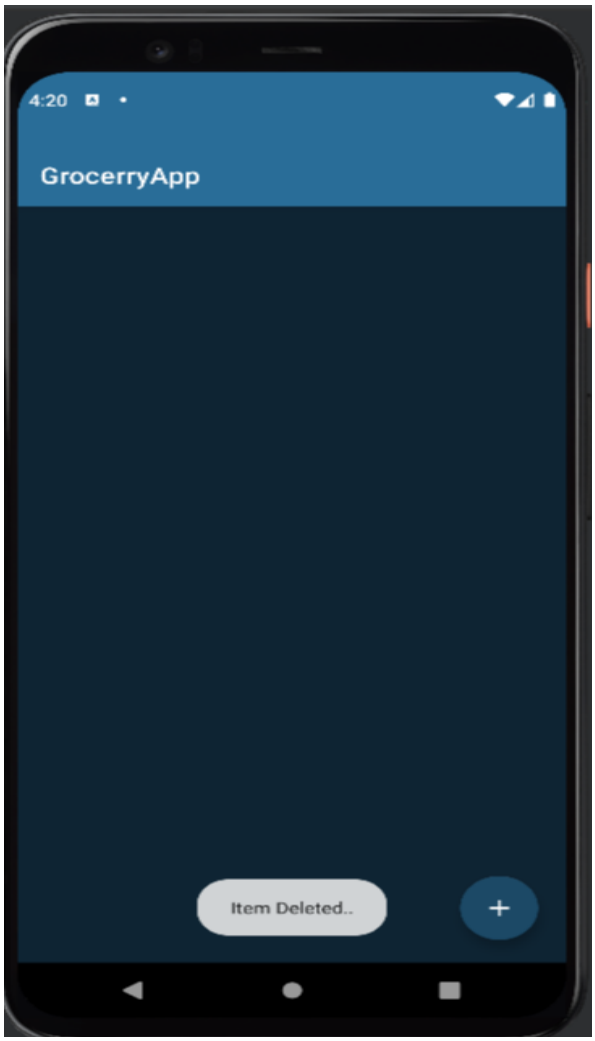



Item Inserted




It

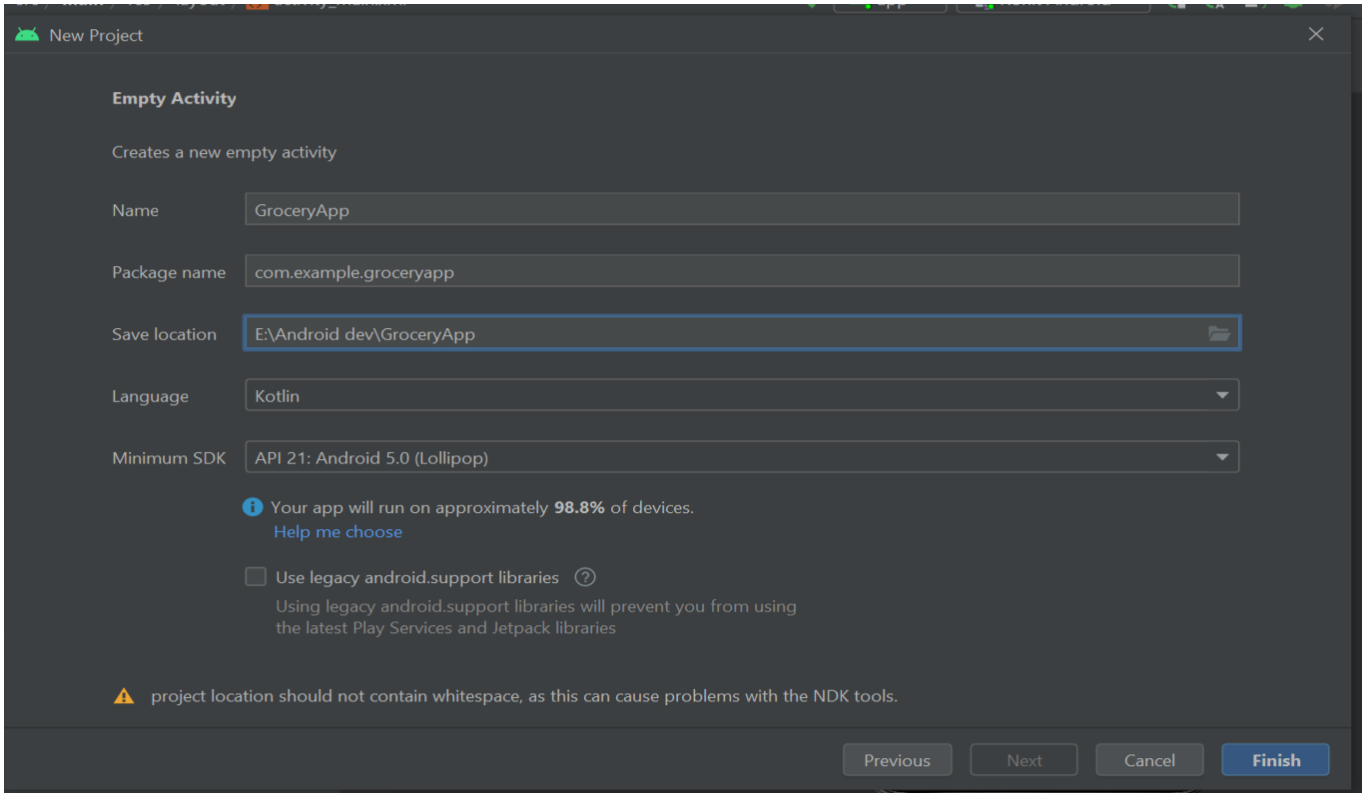
Item Deleted




List of Grocery Items

***Step by Step Implementation -->***

- **Create a New Project - Select Kotlin as a programming language**




- **Add libraries in the gradle file and also apply the plugin as 'kotlin-kapt'** To add these library go to **Gradle Scripts > build.gradle(Module:app).**

```
plugins {
    id 'com.android.application'
    id 'org.jetbrains.kotlin.android'
    id 'kotlin-kapt'
}

android {
    compileSdk 32

    defaultConfig {
```

```
11          applicationId "com.example.grocerryapp"
12          minSdk 16
13          targetSdk 32
14          versionCode 1
15          versionName "1.0"
16
17          testInstrumentationRunner "androidx.test.runner.AndroidJUnitRunner"
18      }
19
20      buildTypes {
21          release {
22              minifyEnabled false
23              proguardFiles getDefaultProguardFile('proguard-android-
24          }
25      }
26      compileOptions {
27          sourceCompatibility JavaVersion.VERSION_1_8
28          targetCompatibility JavaVersion.VERSION_1_8
29      }
30      packagingOptions {
31          exclude 'META-INF/atomicfu.kotlin_module'
32      }
33      kotlinOptions {
34          jvmTarget = '1.8'
35      }
36  }
37
38  dependencies {
39      implementation "androidx.appcompat:appcompat:1.5.1"
40      implementation "androidx.activity:activity-ktx:1.5.1"
41
42      // Dependencies for working with Architecture components
43      // You'll probably have to update the version numbers in build.gradle
    (Project)
44
45      // Room components
46      implementation "androidx.room:room-ktx:2.4.3"
47      kapt "androidx.room:room-compiler:2.4.3"
48      androidTestImplementation "androidx.room:room-testing:2.4.3"
```

```
49
50      // Lifecycle components
51      implementation "androidx.lifecycle:lifecycle-viewmodel-ktx:2.5.1"
52      implementation "androidx.lifecycle:lifecycle-livedata-ktx:2.5.1"
53      implementation "androidx.lifecycle:lifecycle-common-java8:2.5.1"
54
55      // Kotlin components
56  //    implementation 'org.jetbrains.kotlin:kotlin-stdlib-jdk7:1.7.10'
57      api "org.jetbrains.kotlinx:kotlinx-coroutines-
    core:$rootProject.coroutines"
58      api "org.jetbrains.kotlinx:kotlinx-coroutines-
    android:$rootProject.coroutines"
59
60      // UI
61      implementation "androidx.constraintlayout:constraintlayout:2.1.4"
62      implementation "com.google.android.material:material:1.6.1"
63
64      // Testing
65      testImplementation "junit:junit:$rootProject.junitVersion"
66      androidTestImplementation "androidx.arch.core:core-
    testing:$rootProject.coreTestingVersion"
67      androidTestImplementation ("androidx.test.espresso:espresso-

68          exclude group: 'com.android.support', module: 'support-annotations'
69      })
70      androidTestImplementation
    "androidx.test.ext:junit:$rootProject.androidxJunitVersion"
71  }
```

➤ ***Implement room database***

### a) Entities class

The entities class contains all the columns in the database and it should be annotated with @Entity(tablename = “Name of

table")

```
package com.example.grocerryapp

import androidx.room.ColumnInfo
import androidx.room.Entity
import androidx.room.PrimaryKey

@Entity(tableName = "grocery_items")
data class GroceryItems (
    @ColumnInfo(name = "itemName")
    var itemName : String,


    @ColumnInfo(name = "itemQuantity")
    var itemQuantity : Int,

    @ColumnInfo(name = "itemPrice")
    var itemPrice : Int,

){

    @PrimaryKey(autoGenerate = true)
    var id:Int? = null
}
```

**b) Dao Interface**

The Dao is an interface in which we create all the functions that we want to implement on the database.

```
package com.example.grocerryapp


import androidx.lifecycle.LiveData
import androidx.room.*
```

```
6
7 @Dao
8 interface GroceryDao {
9
10     @Insert(onConflict = OnConflictStrategy.REPLACE)
11     suspend fun insert(item: GroceryItems)
12
13     @Delete
14     suspend fun delete(item : GroceryItems)
15
16     @Query("SELECT * FROM grocery_items")
17     fun gwtAllGroceryItem() : LiveData<List<GroceryItems>>
18 }
```

### c) Database class

Database class annotated with @Database(entities = [Name of Entity class.class], version = 1) these entities are the entities array list all the data entities associating with the database and version shows the current version of the database. This database class inherits from the Room Database class.

```
1 package com.example.grocerryapp
2
3 import android.content.Context
4 import androidx.room.Database
5 import androidx.room.Room
6 import androidx.room.RoomDatabase
7
8 @Database(entities = [GroceryItems::class],
  version = 1)
```

```
9 abstract class GroceryDatabase : RoomDatabase(){
10
11     abstract fun getGroceryDao() : GroceryDao
12
13     companion object{
14         @Volatile
15         private  var instance : GroceryDatabase ?
  = null
16         private val  LOCK = Any()
17
18         operator fun invoke(context: Context) =
  instance?: synchronized(LOCK){
19             instance ?:
  createDatabase(context).also {
20                 instance = it
21             }
22         }
23         private fun createDatabase(context:
  Context)=
24             Room.databaseBuilder(
25                 context.applicationContext,
26                 GroceryDatabase::class.java,
27                 "Grocery.db"
28             ).build()
29     }
30 }
```

- **Now we will implement the architectural structure in the app**

### a) Repository class

The repository is one of the design structures. The repository class gives the data to the ViewModel class and then the ViewModel class uses that data for Views. The repository will choose the appropriate data locally or on the network

```
1 package com.example.grocerryapp
2
3 data class GroceryRepository(private val db:
  GroceryDatabase){
4
5     suspend fun insert (items : GroceryItems) =
  db.getGroceryDao().insert(items)
6     suspend fun delete (items: GroceryItems) =
  db.getGroceryDao().delete(items)
7
8     fun getAllItems() =
  db.getGroceryDao().gwtAllGroceryItem()
9 }
```

### b) ViewModel class

ViewModel class used as an interface between View and Data. Grocery View Model class inherit from View Model class and we will pass constructor value by creating instance variable of Repository class and stored in repository variable. As we pass the constructor in View Model

we have to create another class which is a Factory View Model class.

```
1 package com.example.grocerryapp
2
3 import androidx.lifecycle.ViewModel
4 import kotlinx.coroutines.GlobalScope
5 import kotlinx.coroutines.launch
6
7 class GroceryViewModel(private val repository:
  GroceryRepository) : ViewModel() {
8
9     fun insert(items: GroceryItems) = GlobalScope.launch
  {
10         repository.insert(items)
11     }
12     fun delete(items: GroceryItems) = GlobalScope.launch
  {
13         repository.delete(items)
14     }
15     fun getAllGroceryItems() = repository.getAllItems()
16}
```

**c) Factory ViewModel class**

We will inherit the Grocery ViewModel Factory class from ViewModelProvider.NewInstanceFactory and again pass constructor value by creating instance variable of Grocery Repository and return GroceryViewModel(repository)

```
1 package com.example.grocerryapp
2
3 import androidx.lifecycle.ViewModel
4 import androidx.lifecycle.ViewModelProvider
```

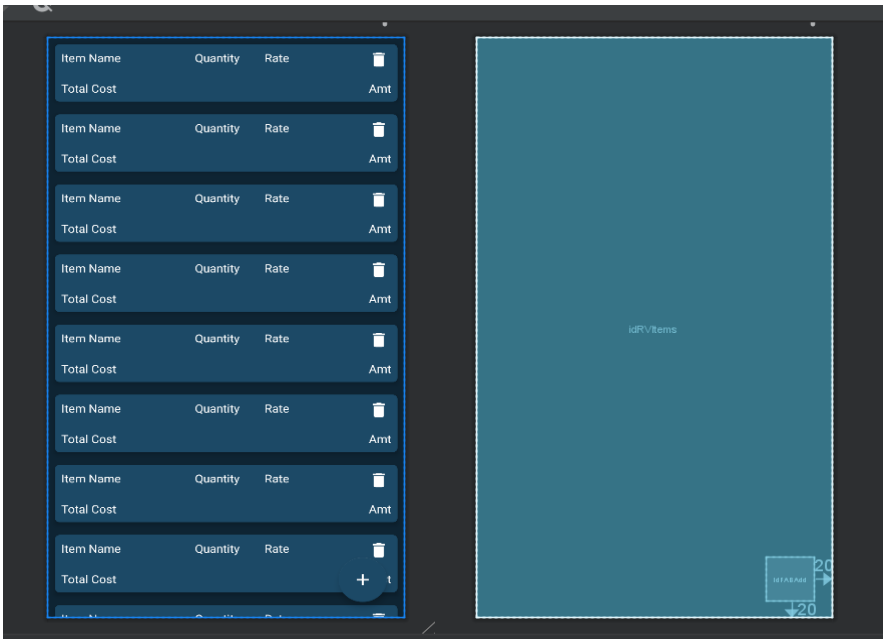
```
5
6 class GroceryViewModalFactory (private val repository:
  GroceryRepository):
  ViewModelProvider.NewInstanceFactory(){
7     override fun <T: ViewModel> create(modelClass:
  Class<T>):T{
8         return GroceryViewModel(repository) as T
9     }
10}
```

## ➤ Now let's jump into the UI part

- **activity_main.xml -** Add RecyclerView and FloatingActionButton after clicking this button a **DialogBox** open and in that dialog box user can enter the item name, item quantity, and item price

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <RelativeLayout
3     xmlns:android="http://schemas.android.com/apk/res/android"
4     xmlns:app="http://schemas.android.com/apk/res-auto"
5     xmlns:tools="http://schemas.android.com/tools"
6     android:background="@color/blue_shade_1"
7     android:layout_width="match_parent"
8     android:layout_height="match_parent"
9     tools:context=".MainActivity">
10
11    <androidx.recyclerview.widget.RecyclerView
12        android:id="@+id/idRVItems"
13        android:layout_width="match_parent"
14        android:layout_height="wrap_content"
15        android:layout_alignTop="@+id/textMain"
16        tools:listitem="@layout/grocery_rv_item" />
17
18
```

```
    <com.google.android.material.floatingactionbutton.FloatingActionBut
    ton
19          android:id="@+id/idFABAdd"
20          android:layout_width="wrap_content"
21          android:layout_height="wrap_content"
22          android:layout_alignParentEnd="true"
23          android:layout_alignParentBottom="true"
24          android:layout_margin="20dp"
25          app:backgroundTint="@color/blue_shade_2"
26          android:layout_alignParentRight="true"
27          android:src="@drawable/ic_add"
28          app:tint="@color/white"/>
29
30  </RelativeLayout>
```



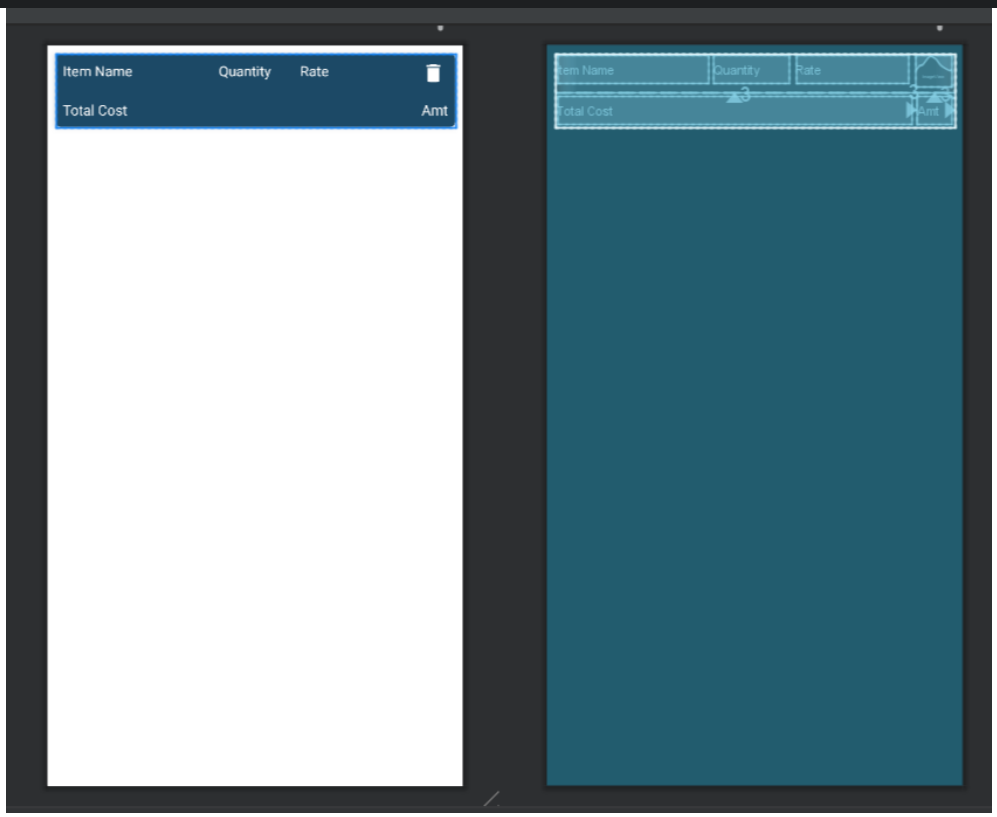

- **RecyclerView --** Now we will code the UI part of the row in the list.

```
1  <?xml version="1.0" encoding="utf-8"?>
2  <androidx.cardview.widget.CardView
   xmlns:android="http://schemas.android.com/apk/res/android"
```

```
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:layout_margin="8dp"
    android:backgroundTint="@color/blue_shade_2"
    app:cardCornerRadius="5dp"
    app:cardElevation="4dp">

    <RelativeLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content">

        <LinearLayout
            android:id="@+id/idLL1"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:orientation="horizontal"
            android:weightSum="5">

            <TextView
                android:layout_width="0dp"
                android:layout_height="wrap_content"
                android:layout_weight="2"
                android:text="@string/item_name"
                android:textColor="@color/white"
                android:padding="4dp"
                android:layout_margin="3dp"
                android:id="@+id/idTVItemName"/>

            <TextView
                android:layout_width="0dp"
                android:layout_height="wrap_content"
                android:layout_weight="1"
                android:text="@string/itemQuantity"
                android:textColor="@color/white"
                android:padding="4dp"
```

```
39                  android:layout_margin="3dp"
40                  android:id="@+id/idTVQuantity"/>
41
42              <TextView
43                  android:layout_width="0dp"
44                  android:layout_height="wrap_content"
45                  android:layout_weight="1.5"
46                  android:text="@string/itemRate"
47                  android:textColor="@color/white"
48                  android:padding="4dp"
49                  android:layout_margin="3dp"
50                  android:id="@+id/idTVRate"/>
51
52              <ImageView
53                  android:layout_width="0dp"
54                  android:layout_height="wrap_content"
55                  android:layout_weight="0.5"
56                  android:padding="4dp"
57                  android:layout_margin="3dp"
58                  android:src="@drawable/ic_delete"
59                  app:tint="@color/white"
60                  android:id="@+id/idTVDelete"/>
61          </LinearLayout>
62
63          <TextView
64              android:layout_width="match_parent"
65              android:layout_height="wrap_content"
66              android:text="Total Cost"
67              android:layout_below="@+id/idLL1"
68              android:textColor="@color/white"
69              android:layout_margin="3dp"
70              android:padding="4dp"
71              android:id="@+id/idTVHeading"
72              android:layout_toLeftOf="@id/idTVTotalAmt"/>
73
74          <TextView
```

```
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Amt"
            android:layout_below="@id/idLL1"
            android:textColor="@color/white"
            android:layout_margin="3dp"
            android:padding="4dp"
            android:id="@+id/idTVTotalAmt"
            android:layout_alignParentEnd="true"
            android:layout_alignParentRight="true"/>

    </RelativeLayout>

</androidx.cardview.widget.CardView>
```




***Adapter class for recycler view.***

```
package com.example.grocerryapp

```

```
3 import android.view.LayoutInflater
4 import android.view.View
5 import android.view.ViewGroup
6 import android.widget.ImageView
7 import android.widget.TextView
8 import androidx.recyclerview.widget.RecyclerView
9
10 class GroceryRVAdapter(
11     var list: List<GroceryItems>,
12     val groceryItemClickInterface :
  GroceryItemClickInterface)
13     :
  RecyclerView.Adapter<GroceryRVAdapter.GroceryViewH

14
15     inner class GroceryViewHolder(itemView: View)
  : RecyclerView.ViewHolder(itemView){
16         val nameTV =
  itemView.findViewById<TextView>(R.id.idTVItemName)
17         val quantityTV =
  itemView.findViewById<TextView>(R.id.idTVQuantity)
18         val rateTV =
  itemView.findViewById<TextView>(R.id.idTVRate)
19         val amountTV =
  itemView.findViewById<TextView>(R.id.idTVTotalAmt)
20         val deleteTV =
  itemView.findViewById<ImageView>(R.id.idTVDelete)
```

```
21
22      }
23
24      interface GroceryItemClickInterface{
25          fun onItemClick(groceryItems:
  GroceryItems)
26      }
27
28      override fun onCreateViewHolder(parent:
  ViewGroup, viewType: Int): GroceryViewHolder {
29          val view =
  LayoutInflater.from(parent.context).inflate(R.layo

30          ,false)
31          return GroceryViewHolder(view)
32      }
33
34      override fun onBindViewHolder(holder:
  GroceryViewHolder, position: Int) {
35          holder.nameTV.text =
  list.get(position).itemName
36          holder.quantityTV.text =
  list.get(position).itemQuantity.toString()
37          holder.rateTV.text = "Rs.
  tring()
38          val itemTotal : Int =
  list.get(position).itemPrice *
```

```
  list.get(position).itemQuantity
39          holder.amountTV.text = "Rs.

40          holder.deleteTV.setOnClickListener {
41
  groceryItemClickInterface.onItemClick(list.get(pos

42          }
43
44      }
45      override fun getItemCount(): Int {
46          return list.size
47      }
48 }
```

- To enter grocery item, quantity, and price from the user we have to create an interface. To implement this interface we will use DialogBox. **First create UI of dialog box**

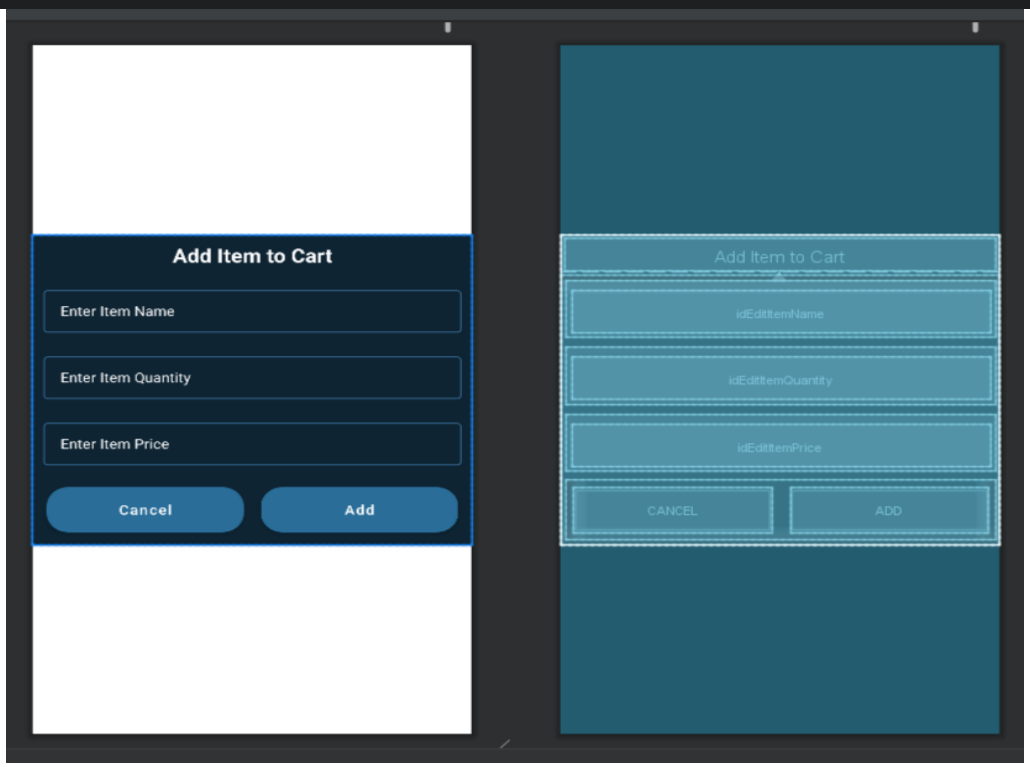
```
1 <?xml version="1.0" encoding="utf-8"?>
2 <androidx.cardview.widget.CardView
  xmlns:android="http://schemas.android.com/apk/res/android"
3     android:layout_width="match_parent"
4     android:layout_height="wrap_content"
5     xmlns:app="http://schemas.android.com/apk/res-auto"
6     android:layout_gravity="center">
7
8     <RelativeLayout
9         android:layout_width="match_parent"
10        android:layout_height="wrap_content"
11        android:background="@color/blue_shade_1">
```

```
12
13          <TextView
14              android:layout_width="match_parent"
15              android:layout_height="wrap_content"
16              android:text="Add Item to Cart"
17              android:textAllCaps="false"
18              android:textAlignment="center"
19              android:gravity="center"
20              android:textColor="@color/white"
21              android:textStyle="bold"
22              android:textSize="20sp"
23              android:padding="4dp"
24              android:layout_margin="4dp"
25              android:id="@+id/idTVHeading"/>
26          <LinearLayout
27              android:layout_width="match_parent"
28              android:layout_height="wrap_content"
29              android:orientation="vertical"
30              android:layout_below="@+id/idTVHeading">
31
32              <com.google.android.material.textfield.TextInputLayout
33                  android:layout_width="match_parent"
34                  android:layout_height="wrap_content"
35                  style="@style/TextInputEditTextTheme"
36                  android:layout_margin="5dp"
37                  android:hint="Enter Item Name"
38                  android:padding="5dp"
39                  android:textColorHint="@color/white"
40                  app:hintTextColor="@color/white">
41
42
  <com.google.android.material.textfield.TextInputEditText
43                      android:layout_width="match_parent"
44                      android:layout_height="wrap_content"
45                      android:id="@+id/idEditItemName"
46                      android:inputType="text"
```

```
                    android:textSize="14sp"
                    android:textColorHint="@color/white"
                    android:textColor="@color/white"/>


</com.google.android.material.textfield.TextInputLayout>


            <com.google.android.material.textfield.TextInputLayout
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                style="@style/TextInputEditTextTheme"
                android:layout_margin="5dp"
                android:hint="Enter Item Quantity"
                android:padding="5dp"
                android:textColorHint="@color/white"
                app:hintTextColor="@color/white">

<com.google.android.material.textfield.TextInputEditText
                    android:layout_width="match_parent"
                    android:layout_height="wrap_content"
                    android:id="@+id/idEditItemQuantity"
                    android:inputType="number"
                    android:textSize="14sp"
                    android:textColorHint="@color/white"
                    android:textColor="@color/white"/>


</com.google.android.material.textfield.TextInputLayout>


            <com.google.android.material.textfield.TextInputLayout
                android:layout_width="match_parent"
```

```
80                  android:layout_height="wrap_content"
81                  style="@style/TextInputEditTextTheme"
82                  android:layout_margin="5dp"
83                  android:hint="Enter Item Price"
84                  android:padding="5dp"
85                  android:textColorHint="@color/white"
86                  app:hintTextColor="@color/white">
87
88
    <com.google.android.material.textfield.TextInputEditText
89                      android:layout_width="match_parent"
90                      android:layout_height="wrap_content"
91                      android:id="@+id/idEditItemPrice"
92                      android:inputType="number"
93                      android:textSize="14sp"
94                      android:textColorHint="@color/white"
95                      android:textColor="@color/white"/>
96
97
    </com.google.android.material.textfield.TextInputLayout>
98
99              <LinearLayout
100                     android:layout_width="match_parent"
101                     android:layout_height="wrap_content"
102                     android:orientation="horizontal"
103                     android:layout_margin="5dp"
104                     android:weightSum="2">
105
106                     <Button
107                         android:layout_width="0dp"
108                         android:layout_height="wrap_content"
109                         android:layout_weight="1"
110                         android:layout_margin="8dp"
111                         android:id="@+id/idBtnCancle"
112                         android:text="Cancel"
113
    android:background="@drawable/custom_button_back"
```

```
                    android:textAllCaps="false"/>

                <Button
                    android:layout_width="0dp"
                    android:layout_height="wrap_content"
                    android:layout_weight="1"
                    android:layout_margin="8dp"
                    android:id="@+id/idBtnAdd"
                    android:text="Add"

  android:background="@drawable/custom_button_back"
                    android:textAllCaps="false"/>

            </LinearLayout>
        </LinearLayout>
    </RelativeLayout>

</androidx.cardview.widget.CardView>
```



- **Splash Screen**

```xml
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@color/mirage"
    android:layout_gravity="center"
    tools:context=".SplashScreenGrocery">

    <ImageView
        android:id="@+id/imageView3"
        android:layout_width="330dp"
        android:layout_height="345dp"
        android:src="@drawable/spl_img"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.493"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

</androidx.constraintlayout.widget.ConstraintLayout>
```

```kotlin
package com.example.grocerryapp

import android.content.Intent
import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import android.os.Handler
import android.view.WindowManager


@Suppress("DEPRECATION")
```

```
class SplashScreenGrocery : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_splash_screen_grocery)

        window.setFlags(
            WindowManager.LayoutParams.FLAG_FULLSCREEN,
            WindowManager.LayoutParams.FLAG_FULLSCREEN
        )
        Handler().postDelayed({
            val intent = Intent(this, MainActivity::class.java)
            startActivity(intent)
            finish()
        }, 4000)
    }
}
```

- **In this step finally we will code in our MainActivity. In our main activity, we have to set up the recycler view and add click listener on add button to open the dialog box.**

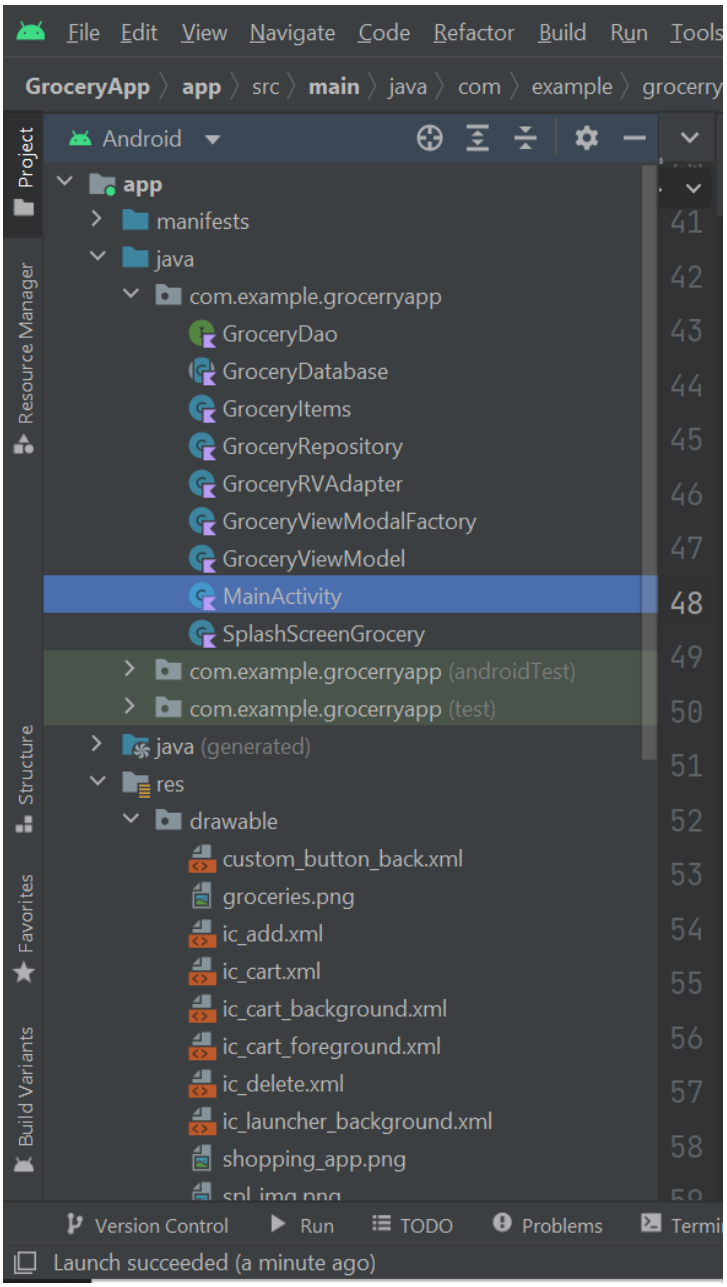
```
package com.example.grocerryapp

import android.animation.Animator
import android.app.Dialog
import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import android.view.View
import android.widget.Button
import android.widget.EditText
import android.widget.Toast
import androidx.lifecycle.Observer
import androidx.lifecycle.ViewModelProvider
```

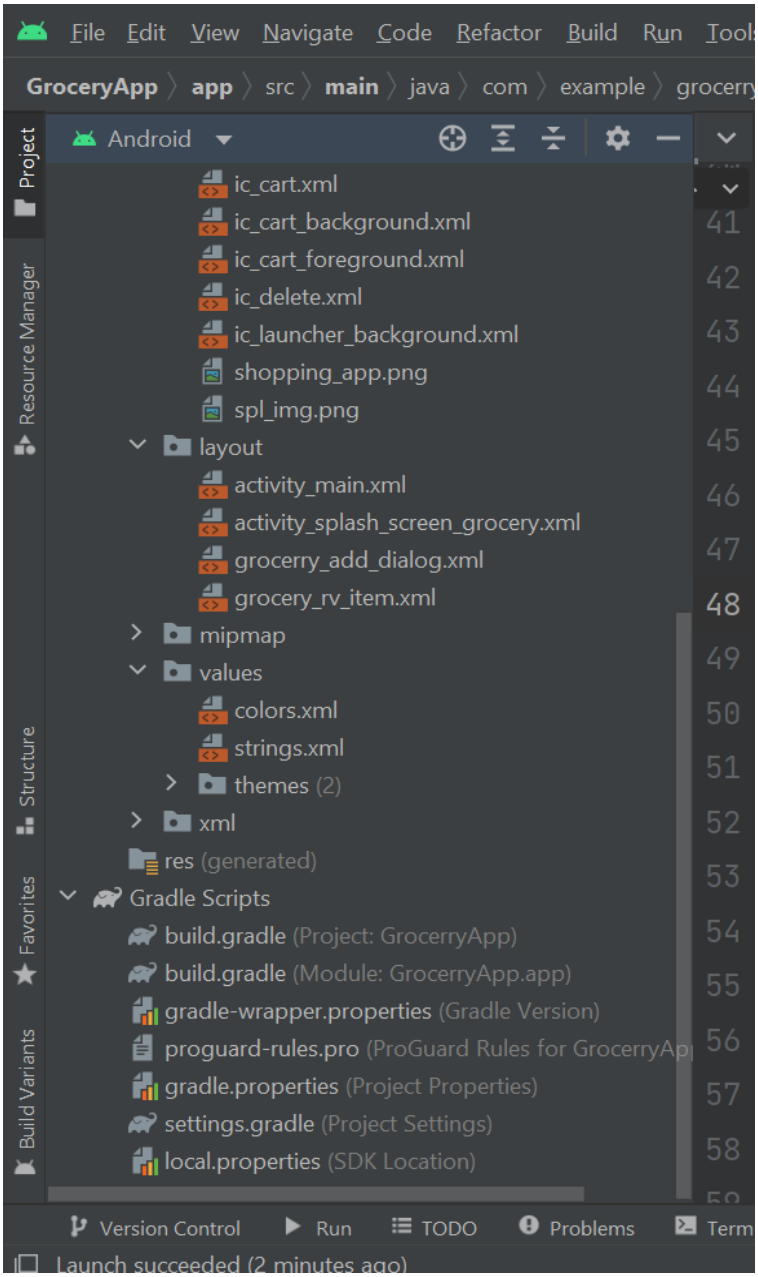
```
13 import androidx.recyclerview.widget.LinearLayoutManager
14 import androidx.recyclerview.widget.RecyclerView
15 import
   com.google.android.material.floatingactionbutton.FloatingActio
   nButton
16
17 class MainActivity : AppCompatActivity(),
   GroceryRVAdapter.GroceryItemClickInterface {
18     lateinit var itemsRv : RecyclerView
19     lateinit var addFAB : FloatingActionButton
20     lateinit var list: List<GroceryItems>
21     lateinit var groceryRVAdapter: GroceryRVAdapter
22     lateinit var groceryViewModel: GroceryViewModel
23
24     override fun onCreate(savedInstanceState: Bundle?) {
25         super.onCreate(savedInstanceState)
26         setContentView(R.layout.activity_main)
27
28         itemsRv = findViewById(R.id.idRVItems)
29         addFAB = findViewById(R.id.idFABAdd)
30
31         list = ArrayList<GroceryItems>()
32         groceryRVAdapter = GroceryRVAdapter(list,this)
33         itemsRv.layoutManager = LinearLayoutManager(this)
34         itemsRv.adapter = groceryRVAdapter
35
36         val groceryRepository =
   GroceryRepository(GroceryDatabase(this))
37         val factory =
   GroceryViewModalFactory(groceryRepository)
38         groceryViewModel =
   ViewModelProvider(this,factory).get(GroceryViewModel::class.ja

39         groceryViewModel.getAllGroceryItems().observe(this,
   Observer{
```

```
40              groceryRVAdapter.list = it
41              groceryRVAdapter.notifyDataSetChanged()
42          })
43
44          addFAB.setOnClickListener {
45              openDialog()
46          }
47      }
48
49      fun openDialog(){
50          val dialog = Dialog(this)
51          dialog.setContentView(R.layout.grocerry_add_dialog)
52          val cancelBtn =
    dialog.findViewById<Button>(R.id.idBtnCancle)
53          val addBtn =
    dialog.findViewById<Button>(R.id.idBtnAdd)
54          val itemEdt =
    dialog.findViewById<EditText>(R.id.idEditItemName)
55          val itemQuantityEdt =
    dialog.findViewById<EditText>(R.id.idEditItemQuantity)
56          val itemPriceEdt =
    dialog.findViewById<EditText>(R.id.idEditItemPrice)
57
58          cancelBtn.setOnClickListener{
59              dialog.dismiss()
60          }
61          addBtn.setOnClickListener {
62              val itemName : String = itemEdt.text.toString()
63              val itemPrice : String =
    itemPriceEdt.text.toString()
64              val itemQuantity : String =
    itemQuantityEdt.text.toString()
65
66              val qty : Int = itemQuantity.toInt()
67              val pr : Int = itemPrice.toInt()
```

```
68
69              if(itemName.isNotEmpty() && itemPrice.isNotEmpty()
  && itemQuantity.isNotEmpty()){
70                  val items = GroceryItems(itemName,qty,pr)
71                  groceryViewModel.insert(items)
72                  Toast.makeText(applicationContext, "Item

73                  groceryRVAdapter.notifyDataSetChanged()
74                  dialog.dismiss()
75              }else{
76                  Toast.makeText(
77                      applicationContext,
78                      "Please Enter all the data..",
79                      Toast.LENGTH_SHORT
80                  ).show()
81              }
82          }
83
84          dialog.show()
85      }
86      override fun onItemClick(groceryItems: GroceryItems) {
87          groceryViewModel.delete(groceryItems)
88          groceryRVAdapter.notifyDataSetChanged()
89          Toast.makeText(applicationContext,"Item

90      }
91  }
```

- ***This is how the complete project structure looks like.***




File Edit View Navigate Code Refactor Build Run Tools
GroceryApp app src main java com example grocery
Android
Project
Resource Manager
Structure
Favorites
Build Variants
ic_cart.xml
ic_cart_background.xml
ic_cart_foreground.xml
ic_delete.xml
ic_launcher_background.xml
shopping_app.png
spl_img.png
layout
activity_main.xml
activity_splash_screen_grocery.xml
grocery_add_dialog.xml
grocery_rv_item.xml
mipmap
values
colors.xml
strings.xml
themes (2)
xml
res (generated)
Gradle Scripts
build.gradle (Project: GrocerryApp)
build.gradle (Module: GrocerryApp.app)
gradle-wrapper.properties (Gradle Version)
proguard-rules.pro (ProGuard Rules for GrocerryAp
gradle.properties (Project Properties)
settings.gradle (Project Settings)
local.properties (SDK Location)
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Version Control
Run
TODO
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Launch succeeded (2 minutes ago)