E Bin

Semester project

BS in Software Engineering



Department of Software Engineering

Faculty of Computer Science & Information Technology

The Superior University, Lahore

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|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Type (Nature of project) | | | [ ✓ ] **D**evelopment -[ ] **R**esearch [ ] **R**&**D** | | |
| Area of specialization | | | Mobile Application in Android | | |
| **Project Group Members** | | | | | |
| Sr.# | Reg. # | Student Name | | Email ID | \*Signature |
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\*The candidates confirm that the work submitted is their own and appropriate credit has been given where reference has been made to work of others

# Table of Contents

[Introduction](#_Toc505638416) 5

[Tools and Technology](#_Toc505638500) 5

[Implementaion Code](#_Toc505638502) 5

[Results](#_Toc505638503) 42

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# Introduction:

The company term itself as a lifestyle brand that deals in fashionable consumer electronics. E-BIN Lifestyle was started with the sole aim of bringing affordable, durable, and more importantly, 'fashionable' products and accessories to millennial. The brand offers us a range of products from an extensive catalog of headphones, earphones, speakers, to travel chargers & premium cables. Coming years this have been excellent brands in the market that offered a great range of products. This is where the E-BIN brought-in the revolution. This Superior University student's semester based startup has managed to attract customers with its stylish products.

# Tool & Technology:

• Android Native

• Fire Base (backend)

# Implementation Code:

**Main Activity Code:**

**Java:**

package com.example.ebin.activities;  
  
import static com.example.ebin.R.id;  
  
import android.app.ProgressDialog;  
import android.content.Intent;  
import android.os.Bundle;  
import android.view.Menu;  
import android.view.MenuItem;  
import android.view.View;  
import android.widget.TextView;  
  
import androidx.annotation.NonNull;  
import androidx.appcompat.app.AppCompatActivity;  
import androidx.appcompat.widget.SearchView;  
import androidx.appcompat.widget.Toolbar;  
import androidx.constraintlayout.widget.ConstraintLayout;  
import androidx.recyclerview.widget.GridLayoutManager;  
import androidx.recyclerview.widget.LinearLayoutManager;  
import androidx.recyclerview.widget.RecyclerView;  
  
import com.example.ebin.R;  
import com.example.ebin.adapters.AllProductAdapter;  
import com.example.ebin.adapters.CategoryAdapter;  
import com.example.ebin.adapters.ProductAdapter;  
import com.example.ebin.databinding.ActivityMainBinding;  
import com.example.ebin.model.AllProduct;  
import com.example.ebin.model.Category;  
import com.example.ebin.model.Product;  
import com.google.android.gms.tasks.OnCompleteListener;  
import com.google.android.gms.tasks.Task;  
import com.google.firebase.auth.FirebaseAuth;  
import com.google.firebase.firestore.FirebaseFirestore;  
import com.google.firebase.firestore.QueryDocumentSnapshot;  
import com.google.firebase.firestore.QuerySnapshot;  
  
import org.imaginativeworld.whynotimagecarousel.model.CarouselItem;  
  
import java.util.ArrayList;  
  
public class MainActivity extends AppCompatActivity {  
  
 ActivityMainBinding binding;  
  
 ConstraintLayout constraintLayout;  
 ProgressDialog progressDialog;  
  
 *// Toolbar* Toolbar toolbar;  
  
  
 *//showAll* private TextView seeAllNewProducts,seeAllProducts;  
  
  
 *//Categories* CategoryAdapter categoryAdapter;  
 ArrayList<Category> categories;  
 RecyclerView categoryRecyclerView;  
  
 *//NewProducts* ProductAdapter productAdapter;  
 ArrayList<Product> products;  
 RecyclerView productsRecyclerView;  
  
 *//AllProducts* AllProductAdapter allProductAdapter;  
 ArrayList<AllProduct> allProducts;  
 RecyclerView allProductsRecyclerView;  
  
  
 *//Firebase* FirebaseAuth auth;  
 FirebaseFirestore db;  
  
  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 binding = ActivityMainBinding.*inflate*(getLayoutInflater());  
 setContentView(binding.getRoot());  
  
  
 constraintLayout = findViewById(id.*maincard*);  
  
 progressDialog = new ProgressDialog(this);  
  
  
 toolbar = findViewById(id.*home\_toolbar*);  
 setSupportActionBar(toolbar);  
 getSupportActionBar().setDisplayHomeAsUpEnabled(true);  
 getSupportActionBar().setHomeAsUpIndicator(com.mancj.materialsearchbar.R.drawable.*ic\_menu\_animated*);  
  
  
  
  
 toolbar.setNavigationOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 finish();  
 }  
 });  
  
  
  
  
 categoryRecyclerView = findViewById(id.*categoriesList*);  
 productsRecyclerView = findViewById(id.*productList*);  
 allProductsRecyclerView = findViewById(id.*allProductList*);  
  
  
 db = FirebaseFirestore.*getInstance*();  
  
  
 seeAllNewProducts = findViewById(id.*seeallnewproducts*);  
 seeAllProducts = findViewById(id.*seeallproducts*);  
  
 seeAllNewProducts.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 Intent intent = new Intent(MainActivity.this, ShowAllActivity.class);  
 intent.putExtra("tablename", "NewProducts");  
 startActivity(intent);  
  
 }  
 });  
  
  
 seeAllProducts.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 Intent intent = new Intent(MainActivity.this, ShowAllActivity.class);  
 intent.putExtra("tablename", "NewProducts");  
 startActivity(intent);  
 }  
 });  
  
  
 constraintLayout.setVisibility(View.*GONE*);  
  
  
 progressDialog.setTitle("Welcome to eBin");  
 progressDialog.setMessage("Please Wait.....");  
 progressDialog.setCanceledOnTouchOutside(false);  
 progressDialog.show();  
  
 initCategories();  
 initProducts();  
 initAllProducts();  
 initSlider();  
  
  
 }  
  
  
 *// Toolbar related Code* @Override  
 public boolean onCreateOptionsMenu(Menu menu) {  
 getMenuInflater().inflate(R.menu.*main\_menu*,menu);  
  
  
 MenuItem.OnActionExpandListener onActionExpandListener= new MenuItem.OnActionExpandListener() {  
 @Override  
 public boolean onMenuItemActionExpand(MenuItem menuItem) {  
 return true;  
 }  
  
 @Override  
 public boolean onMenuItemActionCollapse(MenuItem menuItem) {  
 return true;  
 }  
 };  
 menu.findItem(id.*search*).setOnActionExpandListener(onActionExpandListener);  
 SearchView searchView =(SearchView) menu.findItem(id.*search*).getActionView();  
 searchView.setQueryHint("Search your favorite product");  
  
 return true;  
 }  
  
 @Override  
 public boolean onOptionsItemSelected(@NonNull MenuItem item) {  
 int id = item.getItemId();  
  
 if(id == R.id.*menu\_logout*){  
  
 auth.signOut();  
 startActivity(new Intent(MainActivity.this,loginActivity.class));  
 finish();  
  
 }  
 else if(id == R.id.*menu\_my\_cart*){  
  
 startActivity(new Intent(MainActivity.this,CartActivity.class));  
  
 }  
  
 return true;  
  
 }  
  
  
  
  
 private void initSlider() {  
 binding.carousel.addData(new CarouselItem("https://img.freepik.com/premium-vector/sale-banner-template-design-poster-this-weekend-special-buy-2-get-1-free-vector-illustration-store\_107661-212.jpg",""));  
 binding.carousel.addData(new CarouselItem("https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcR5ZqNO1StBwneIgJW1nGuU\_VaRQljIGuxlr7SKquohVpcE54OCk12ODwSlKmsKRafD0-E&usqp=CAU",""));  
 }  
  
  
 void initCategories(){  
  
  
 categoryRecyclerView.setLayoutManager(new GridLayoutManager(this, 4));  
 categories = new ArrayList<>();  
 categoryAdapter = new CategoryAdapter(this,categories);  
 categoryRecyclerView.setAdapter(categoryAdapter);  
  
  
 db.collection("Category")  
 .get()  
 .addOnCompleteListener(new OnCompleteListener<QuerySnapshot>() {  
 @Override  
 public void onComplete(@NonNull Task<QuerySnapshot> task) {  
 if (task.isSuccessful()) {  
 for (QueryDocumentSnapshot document : task.getResult()) {  
  
 Category category = document.toObject(Category.class);  
 categories.add(category);  
 categoryAdapter.notifyDataSetChanged();  
 constraintLayout.setVisibility(View.*VISIBLE*);  
 progressDialog.dismiss();  
 }  
 } else {  
 *//else* }  
 }  
 });  
  
 }  
  
  
  
 void initProducts(){  
  
 productsRecyclerView.setLayoutManager(new LinearLayoutManager(this, RecyclerView.*HORIZONTAL*,false));  
 products = new ArrayList<>();  
  
  
 db.collection("NewProducts")  
 .get()  
 .addOnCompleteListener(new OnCompleteListener<QuerySnapshot>() {  
 @Override  
 public void onComplete(@NonNull Task<QuerySnapshot> task) {  
 if (task.isSuccessful()) {  
 for (QueryDocumentSnapshot document : task.getResult()) {  
  
 Product product = document.toObject(Product.class);  
 products.add(product);  
 productAdapter.notifyDataSetChanged();  
  
 }  
 } else {  
 *//else* }  
 }  
 });  
  
 productAdapter = new ProductAdapter(this,products);  
 productsRecyclerView.setAdapter(productAdapter);  
  
 }  
  
  
 private void initAllProducts() {  
  
  
 allProductsRecyclerView.setLayoutManager(new GridLayoutManager(this, 2));  
 allProducts = new ArrayList<>();  
  
  
 db.collection("NewProducts")  
 .get()  
 .addOnCompleteListener(new OnCompleteListener<QuerySnapshot>() {  
 @Override  
 public void onComplete(@NonNull Task<QuerySnapshot> task) {  
 if (task.isSuccessful()) {  
 for (QueryDocumentSnapshot document : task.getResult()) {  
  
 AllProduct allProduct = document.toObject(AllProduct.class);  
 allProducts.add(allProduct);  
 allProductAdapter.notifyDataSetChanged();  
  
 }  
 } else {  
 *//else* }  
 }  
 });  
  
 allProductAdapter = new AllProductAdapter(this,allProducts);  
 allProductsRecyclerView.setAdapter(allProductAdapter);  
  
 }  
}

**XML Code:**

*<?*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/backgroundColor"  
 tools:context=".activities.MainActivity"  
 android:id="@+id/maincard"  
 >  
  
 <LinearLayout  
 android:id="@+id/linearLayout"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:background="@color/red"  
 android:orientation="vertical"  
 android:padding="10dp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent">  
<LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"  
 >  
 <androidx.appcompat.widget.Toolbar  
 android:id="@+id/home\_toolbar"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:background="@color/red"  
 app:titleTextColor="@color/white"  
 />  
</LinearLayout>  
 </LinearLayout>  
  
 <androidx.core.widget.NestedScrollView  
 android:layout\_width="match\_parent"  
 android:layout\_height="0dp"  
 android:layout\_marginTop="8dp"  
 android:fillViewport="true"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/linearLayout">  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical"  
 android:padding="10dp">  
  
 <androidx.cardview.widget.CardView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 app:cardCornerRadius="10dp">  
  
 <org.imaginativeworld.whynotimagecarousel.ImageCarousel  
 android:id="@+id/carousel"  
 android:layout\_width="match\_parent"  
 android:layout\_height="150dp"  
 app:showNavigationButtons="false"  
 app:showCaption="false"  
 app:autoPlay="true"/>  
 </androidx.cardview.widget.CardView>  
  
 <androidx.cardview.widget.CardView  
 android:id="@+id/cardView"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="10dp"  
 app:cardCornerRadius="10dp">  
  
 <androidx.recyclerview.widget.RecyclerView  
 android:id="@+id/categoriesList"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_margin="8dp" />  
 </androidx.cardview.widget.CardView>  
  
  
 <RelativeLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="4dp"  
 android:orientation="horizontal"  
 >  
 <TextView  
 android:id="@+id/newproducts"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="New Products"  
 android:textSize="24sp"  
 android:fontFamily="@font/roboto\_bold"  
 android:textColor="@color/black"  
 />  
 <TextView  
 android:id="@+id/seeallnewproducts"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="See All"  
 android:textSize="18sp"  
 android:fontFamily="@font/roboto\_bold"  
 android:textColor="@color/black"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentBottom="true"  
  
 />  
  
 </RelativeLayout>  
  
  
  
 <androidx.recyclerview.widget.RecyclerView  
 android:id="@+id/productList"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="0dp" />  
  
  
 <RelativeLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="4dp"  
 android:orientation="horizontal"  
 >  
 <TextView  
 android:id="@+id/allproducts"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="All Products"  
 android:textSize="24sp"  
 android:fontFamily="@font/roboto\_bold"  
 android:textColor="@color/black"  
 />  
 <TextView  
 android:id="@+id/seeallproducts"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="See All"  
 android:textSize="18sp"  
 android:fontFamily="@font/roboto\_bold"  
 android:textColor="@color/black"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentBottom="true"  
 />  
  
 </RelativeLayout>  
  
 <androidx.recyclerview.widget.RecyclerView  
 android:id="@+id/allProductList"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="0dp" />  
 </LinearLayout>  
 </androidx.core.widget.NestedScrollView>  
  
</androidx.constraintlayout.widget.ConstraintLayout>

Login Activity:

Java Code:

package com.example.ebin.activities;  
  
import static com.example.ebin.R.id.*donthaveacc*;  
  
import android.annotation.SuppressLint;  
import android.content.Intent;  
import android.os.Bundle;  
import android.text.TextUtils;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.TextView;  
import android.widget.Toast;  
  
import androidx.annotation.NonNull;  
import androidx.appcompat.app.AppCompatActivity;  
  
import com.example.ebin.R;  
import com.google.android.gms.tasks.OnCompleteListener;  
import com.google.android.gms.tasks.Task;  
import com.google.firebase.auth.AuthResult;  
import com.google.firebase.auth.FirebaseAuth;  
  
  
public class  
loginActivity extends AppCompatActivity {  
  
 EditText email,password;  
 Button btn;  
 TextView donthaveaccount;  
 private FirebaseAuth auth;  
 @SuppressLint("MissingInflatedId")  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_login*);  
  
 getSupportActionBar();  
  
  
 donthaveaccount = findViewById(*donthaveacc*);  
 email = findViewById(R.id.*Email*);  
 password = findViewById(R.id.*password*);  
  
 donthaveaccount.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 Intent intent = new Intent(loginActivity.this,signupActivity.class);  
 startActivity(intent);  
 }  
 });  
  
 auth = FirebaseAuth.getInstance();  
  
 btn = findViewById(R.id.login\_btn);  
 btn.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 signIn();  
 }  
 });  
  
 }  
  
 private void signIn() {  
  
 String name = email.getText().toString();  
 String pass = password.getText().toString();  
  
 if(TextUtils.isEmpty(name)){  
 Toast.makeText(this, "Enter email", Toast.LENGTH\_SHORT).show();  
 return;  
 }  
 if(TextUtils.isEmpty(pass)){  
 Toast.makeText(this, "Enter password", Toast.LENGTH\_SHORT).show();  
 return;  
 }  
  
 if(pass.length()<8){  
 Toast.makeText(this, "Password minimum length is 8 characters.", Toast.LENGTH\_SHORT).show();  
 return;  
 }  
  
 if(pass.length()>8){  
 Toast.makeText(this, "Password length must be 8 characters.", Toast.LENGTH\_SHORT).show();  
 return;  
 }  
  
 auth.signInWithEmailAndPassword(name,pass).addOnCompleteListener(loginActivity.this, new OnCompleteListener<AuthResult>() {  
 @Override  
 public void onComplete(@NonNull Task<AuthResult> task) {  
 if(task.isSuccessful()){  
  
 Toast.makeText(loginActivity.this, "login Succesfully", Toast.LENGTH\_SHORT).show();  
 Intent intent = new Intent(loginActivity.this,MainActivity.class);  
 startActivity(intent);  
  
 }  
 else{  
 Toast.makeText(loginActivity.this, "login Failed"+task.getException(), Toast.LENGTH\_SHORT).show();  
 }  
 }  
 });  
  
 }  
  
  
}

XML Code:

*<?*xml version="1.0" encoding="utf-8"*?>*<RelativeLayout 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"  
 tools:context=".activities.loginActivity"  
 android:background="@color/backgroundColor">  
  
 <TextView  
 android:id="@+id/login"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:textSize="48dp"  
 android:text="Login"  
 android:fontFamily="@font/roboto\_bold"  
 android:textStyle="bold"  
 android:textColor="@color/black"  
 android:layout\_marginTop="80dp"  
 android:layout\_marginLeft="8dp"  
 android:layout\_marginRight="8dp"  
  
 />  
 <EditText  
 android:id="@+id/Email"  
 android:layout\_width="match\_parent"  
 android:layout\_height="70dp"  
 android:fontFamily="@font/roboto\_bold"  
 android:layout\_marginTop="210dp"  
 android:hint="email"  
 android:elevation="3dp"  
 android:inputType="textEmailAddress"  
 android:padding="15dp"  
 android:drawablePadding="10dp"  
 android:layout\_marginLeft="10dp"  
 android:layout\_marginRight="10dp"  
 android:drawableLeft="@drawable/ic\_baseline\_account\_circle\_24"  
 android:background="@drawable/edit\_text\_round"  
 />  
  
 <EditText  
 android:id="@+id/password"  
 android:layout\_width="match\_parent"  
 android:layout\_height="70dp"  
 android:layout\_marginTop="300dp"  
 android:padding="15dp"  
 android:hint="password"  
 android:elevation="3dp"  
 android:inputType="textPassword"  
 android:drawablePadding="10dp"  
 android:fontFamily="@font/roboto\_bold"  
 android:background="@drawable/edit\_text\_round"  
 android:layout\_marginLeft="10dp"  
 android:layout\_marginRight="10dp"  
 android:drawableLeft="@drawable/ic\_baseline\_key\_24"  
 />  
  
  
 <TextView  
 android:id="@+id/donthaveacc"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:textStyle="bold"  
 android:fontFamily="@font/roboto\_bold"  
 android:textSize="16dp"  
 android:text="don't have an account!"  
 android:layout\_marginTop="375dp"  
 android:layout\_alignParentEnd="true"  
 android:layout\_marginRight="10dp"  
 />  
  
 <Button  
 android:id="@+id/login\_btn"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="LOGIN"  
 android:textSize="22dp"  
 android:layout\_marginTop="430dp"  
 android:layout\_marginLeft="10dp"  
 android:layout\_marginRight="10dp"  
 android:background="@drawable/rounded\_button"  
 />  
  
 <TextView  
 android:id="@+id/login\_with\_Social\_media"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Or login with social account"  
 android:textColor="@color/black"  
 android:textSize="16dp"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_marginTop="520dp"  
 android:textAlignment="center"  
 />  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"  
 android:layout\_marginTop="550dp"  
 android:gravity="center"  
 >  
 <androidx.cardview.widget.CardView  
 android:layout\_width="70dp"  
 android:layout\_height="50dp"  
 app:cardCornerRadius="20dp"  
 >  
 <ImageView  
 android:id="@+id/googleimg"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:padding="10dp"  
 android:src="@drawable/google"  
 />  
  
 </androidx.cardview.widget.CardView>  
  
 <androidx.cardview.widget.CardView  
 android:layout\_marginLeft="20dp"  
 android:layout\_width="70dp"  
 android:layout\_height="50dp"  
 app:cardCornerRadius="20dp"  
 >  
 <ImageView  
 android:id="@+id/facebookimg"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:padding="10dp"  
 android:src="@drawable/facebook"  
 />  
  
 </androidx.cardview.widget.CardView>  
  
 </LinearLayout>  
  
  
</RelativeLayout>

SignupActivity:

Java Code:

package com.example.ebin.activities;  
  
import android.annotation.SuppressLint;  
import android.content.Intent;  
import android.os.Bundle;  
import android.text.TextUtils;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.TextView;  
import android.widget.Toast;  
  
import androidx.annotation.NonNull;  
import androidx.appcompat.app.AppCompatActivity;  
  
import com.example.ebin.R;  
import com.google.android.gms.tasks.OnCompleteListener;  
import com.google.android.gms.tasks.Task;  
import com.google.firebase.auth.AuthResult;  
import com.google.firebase.auth.FirebaseAuth;  
  
  
public class signupActivity extends AppCompatActivity {  
  
 EditText username,email,password;  
 Button button;  
 TextView alreadyhaveacc;  
  
 private FirebaseAuth auth;  
  
 @SuppressLint("MissingInflatedId")  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_signup*);  
  
 auth = FirebaseAuth.*getInstance*();  
  
 alreadyhaveacc = (TextView) findViewById(R.id.*alreadyhaveaccount*);  
  
 alreadyhaveacc.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
  
 Intent intent = new Intent(signupActivity.this,loginActivity.class);  
 startActivity(intent);  
 }  
 });  
  
  
 button = (Button) findViewById(R.id.*sigupbtn*);  
  
 button.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
  
 signUp();  
 }  
 });  
  
 }  
  
 private void signUp() {  
 username = findViewById(R.id.*name*);  
 email = findViewById(R.id.*email*);  
 password = findViewById(R.id.*password*);  
  
 String name = username.getText().toString();  
 String eMail = email.getText().toString();  
 String pass = password.getText().toString();  
  
 if(TextUtils.*isEmpty*(name)){  
 Toast.*makeText*(this, "Enter a name", Toast.*LENGTH\_SHORT*).show();  
 return;  
 }  
  
 if(TextUtils.*isEmpty*(eMail)){  
 Toast.*makeText*(this, "Enter a email", Toast.*LENGTH\_SHORT*).show();  
 return;  
 }  
  
 if(TextUtils.*isEmpty*(pass)){  
 Toast.*makeText*(this, "Enter a password", Toast.*LENGTH\_SHORT*).show();  
 return;  
 }  
  
 if(pass.length()<8){  
 Toast.*makeText*(this, "Password minimum length is 8 characters.", Toast.*LENGTH\_SHORT*).show();  
 return;  
 }  
  
 if(pass.length()>8){  
 Toast.*makeText*(this, "Password length must be 8 characters.", Toast.*LENGTH\_SHORT*).show();  
 return;  
 }  
  
 auth.createUserWithEmailAndPassword(eMail,pass).addOnCompleteListener(signupActivity.this, new OnCompleteListener<AuthResult>() {  
 @Override  
 public void onComplete(@NonNull Task<AuthResult> task) {  
 if(task.isSuccessful()){  
  
 Toast.*makeText*(signupActivity.this, "Registered Succesfully", Toast.*LENGTH\_SHORT*).show();  
  
 Intent intent = new Intent(signupActivity.this,SendOTPActivity.class);  
 startActivity(intent);  
 }  
 else{  
 Toast.*makeText*(signupActivity.this, "Registration Failed"+task.getException(), Toast.*LENGTH\_SHORT*).show();  
 }  
 }  
 });  
  
 }  
}

Xml Code:

*<?*xml version="1.0" encoding="utf-8"*?>*<RelativeLayout 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"  
 tools:context=".activities.signupActivity"  
 android:background="@color/backgroundColor">  
  
 <TextView  
 android:id="@+id/login"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:textSize="48dp"  
 android:text="Sign up"  
 android:fontFamily="@font/roboto\_bold"  
 android:textStyle="bold"  
 android:textColor="@color/black"  
 android:layout\_marginTop="10dp"  
 android:layout\_marginLeft="8dp"  
 android:layout\_marginRight="8dp"  
  
 />  
  
 <EditText  
 android:id="@+id/name"  
 android:inputType="text"  
 android:layout\_width="match\_parent"  
 android:layout\_height="70dp"  
 android:fontFamily="@font/roboto\_bold"  
 android:layout\_marginTop="120dp"  
 android:hint="name"  
 android:elevation="3dp"  
 android:drawableLeft="@drawable/ic\_baseline\_person\_24"  
 android:padding="15dp"  
 android:drawablePadding="10dp"  
 android:layout\_marginLeft="10dp"  
 android:layout\_marginRight="10dp"  
 android:background="@drawable/edit\_text\_round"  
  
 />  
  
 <EditText  
 android:id="@+id/email"  
 android:layout\_width="match\_parent"  
 android:layout\_height="70dp"  
 android:fontFamily="@font/roboto\_bold"  
 android:layout\_marginTop="210dp"  
 android:hint="email"  
 android:elevation="3dp"  
 android:drawableLeft="@drawable/ic\_baseline\_account\_circle\_24"  
 android:padding="15dp"  
 android:inputType="textEmailAddress"  
 android:drawablePadding="10dp"  
 android:layout\_marginLeft="10dp"  
 android:layout\_marginRight="10dp"  
 android:background="@drawable/edit\_text\_round"  
 />  
  
 <EditText  
 android:id="@+id/password"  
 android:layout\_width="match\_parent"  
 android:layout\_height="70dp"  
 android:layout\_marginTop="300dp"  
 android:hint="password"  
 android:elevation="3dp"  
 android:fontFamily="@font/roboto\_bold"  
 android:layout\_marginLeft="10dp"  
 android:layout\_marginRight="10dp"  
 android:background="@drawable/edit\_text\_round"  
 android:drawableLeft="@drawable/ic\_baseline\_key\_24"  
 android:padding="15dp"  
 android:drawablePadding="10dp"  
 android:inputType="textPassword"  
  
 />  
  
  
 <TextView  
 android:id="@+id/alreadyhaveaccount"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:textStyle="bold"  
 android:fontFamily="@font/roboto\_bold"  
 android:textSize="16dp"  
 android:text="already have an Account"  
 android:layout\_marginTop="375dp"  
 android:layout\_alignParentEnd="true"  
 android:layout\_marginRight="10dp"  
 />  
  
 <Button  
 android:id="@+id/sigupbtn"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="SIGN UP"  
 android:textSize="22dp"  
 android:layout\_marginTop="430dp"  
 android:layout\_marginLeft="10dp"  
 android:layout\_marginRight="10dp"  
 android:background="@drawable/rounded\_button"  
 />  
  
 <TextView  
 android:id="@+id/login\_with\_Social\_media"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Or sign up with social account"  
 android:textColor="@color/black"  
 android:textSize="16dp"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_marginTop="520dp"  
 android:textAlignment="center"  
 />  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"  
 android:layout\_marginTop="550dp"  
 android:gravity="center"  
 >  
 <androidx.cardview.widget.CardView  
 android:layout\_width="70dp"  
 android:layout\_height="50dp"  
 app:cardCornerRadius="20dp"  
 >  
 <ImageView  
 android:id="@+id/googleimg"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:padding="10dp"  
 android:src="@drawable/google"  
 />  
  
 </androidx.cardview.widget.CardView>  
  
 <androidx.cardview.widget.CardView  
 android:layout\_marginLeft="20dp"  
 android:layout\_width="70dp"  
 android:layout\_height="50dp"  
 app:cardCornerRadius="20dp"  
 >  
 <ImageView  
 android:id="@+id/facebookimg"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:padding="10dp"  
 android:src="@drawable/facebook"  
 />  
  
 </androidx.cardview.widget.CardView>  
  
 </LinearLayout>  
  
  
</RelativeLayout>

CartActivity:

Java Code:

package com.example.ebin.activities;  
  
import android.content.BroadcastReceiver;  
import android.content.Context;  
import android.content.Intent;  
import android.content.IntentFilter;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.TextView;  
  
import androidx.annotation.NonNull;  
import androidx.appcompat.app.AppCompatActivity;  
import androidx.appcompat.widget.Toolbar;  
import androidx.localbroadcastmanager.content.LocalBroadcastManager;  
import androidx.recyclerview.widget.LinearLayoutManager;  
import androidx.recyclerview.widget.RecyclerView;  
  
import com.example.ebin.R;  
import com.example.ebin.adapters.MyCartAdapter;  
import com.example.ebin.model.MyCartModel;  
import com.google.android.gms.tasks.OnCompleteListener;  
import com.google.android.gms.tasks.Task;  
import com.google.firebase.auth.FirebaseAuth;  
import com.google.firebase.firestore.FirebaseFirestore;  
import com.google.firebase.firestore.QueryDocumentSnapshot;  
import com.google.firebase.firestore.QuerySnapshot;  
  
import java.util.ArrayList;  
import java.util.List;  
  
public class CartActivity extends AppCompatActivity {  
  
  
  
 int overAllTotalAmount;  
 TextView overAllAmount;  
 Toolbar toolbar;  
 RecyclerView recyclerView;  
 List<MyCartModel> cartModelList;  
 MyCartAdapter cartAdapter;  
  
  
 private FirebaseAuth auth;  
 private FirebaseFirestore firestore;  
  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.activity\_cart);  
  
  
  
 auth = FirebaseAuth.getInstance();  
 firestore = FirebaseFirestore.getInstance();  
  
  
 toolbar = findViewById(R.id.My\_Cart\_Toolbar);  
 setSupportActionBar(toolbar);  
 getSupportActionBar().setDisplayHomeAsUpEnabled(true);  
  
  
  
 toolbar.setNavigationOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 finish();  
 }  
 });  
  
 overAllAmount = findViewById(R.id.subtotal);  
  
 LocalBroadcastManager.getInstance(this)  
 .registerReceiver(mMessageReceiver,new IntentFilter("MyTotalAmount"));  
  
  
 recyclerView = findViewById(R.id.cartList);  
 recyclerView.setLayoutManager(new LinearLayoutManager(this));  
 cartModelList = new ArrayList<>();  
 cartAdapter = new MyCartAdapter(this, (ArrayList<MyCartModel>) cartModelList);  
 recyclerView.setAdapter(cartAdapter);  
  
  
 firestore.collection("AddToCart").document(auth.getCurrentUser().getUid())  
 .collection("user").get().addOnCompleteListener(new OnCompleteListener<QuerySnapshot>() {  
 @Override  
 public void onComplete(@NonNull Task<QuerySnapshot> task) {  
 if (task.isSuccessful()) {  
 for (QueryDocumentSnapshot document : task.getResult()) {  
  
 MyCartModel myCartModel = document.toObject(MyCartModel.class);  
 cartModelList.add(myCartModel);  
 cartAdapter.notifyDataSetChanged();  
  
 }  
 }  
  
 }  
 });  
  
 }  
  
 public BroadcastReceiver mMessageReceiver = new BroadcastReceiver() {  
 @Override  
 public void onReceive(Context context, Intent intent) {  
 int totalBill = intent.getIntExtra("totalAmount",0);  
 overAllAmount.setText(String.valueOf(totalBill));  
 }  
 };  
}

XML Code:

*<?*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/backgroundColor"  
 tools:context=".activities.CartActivity">  
  
 <LinearLayout  
 android:id="@+id/linearLayout5"  
 android:layout\_width="0dp"  
 android:layout\_height="0dp"  
 android:orientation="vertical"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent">  
  
 <androidx.appcompat.widget.Toolbar  
 android:id="@+id/My\_Cart\_Toolbar"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:background="@color/red"  
 android:minHeight="?attr/actionBarSize"  
 android:theme="?attr/actionBarTheme"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:title="My Cart"  
 app:titleTextColor="@color/white" />  
  
 <androidx.cardview.widget.CardView  
 android:id="@+id/cardView3"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="8dp"  
 android:layout\_marginTop="10dp"  
 android:layout\_marginEnd="8dp"  
 app:cardCornerRadius="10dp"  
 app:layout\_constraintBottom\_toTopOf="@+id/bottomPrice"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/My\_Cart\_Toolbar">  
  
 <androidx.recyclerview.widget.RecyclerView  
 android:id="@+id/cartList"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_margin="5dp" />  
 </androidx.cardview.widget.CardView>  
 </LinearLayout>  
  
 <LinearLayout  
 android:id="@+id/bottomPrice"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:background="#D6D6D6"  
 android:orientation="horizontal"  
 android:padding="15dp"  
 app:layout\_constraintBottom\_toTopOf="@+id/continueBtn"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent">  
  
 >  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Subtotal"  
 android:textColor="@color/black"  
 android:textSize="16sp"  
 android:textStyle="bold" />  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="5dp"  
 android:layout\_weight="1"  
 android:text="(without taxes)"  
 android:textColor="@color/black"  
 android:textSize="14sp"  
 android:textStyle="italic" />  
  
 <TextView  
 android:id="@+id/subtotal"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:gravity="right"  
 android:text="PKR 0.0"  
 android:textColor="#4CAF50"  
 android:textSize="16sp"  
 android:textStyle="bold" />  
 </LinearLayout>  
  
 <Button  
 android:id="@+id/continueBtn"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:background="@color/red"  
 android:drawableLeft="@drawable/ic\_baseline\_shopping\_cart\_24"  
 android:text="Buy Now"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent" />  
  
  
</androidx.constraintlayout.widget.ConstraintLayout>

ProductDetailActivity:

Java Code:

package com.example.ebin.activities;  
  
import android.content.Intent;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.ImageView;  
import android.widget.TextView;  
import android.widget.Toast;  
  
import androidx.annotation.NonNull;  
import androidx.appcompat.app.AppCompatActivity;  
import androidx.appcompat.widget.Toolbar;  
  
import com.bumptech.glide.Glide;  
import com.example.ebin.R;  
import com.example.ebin.model.AllProduct;  
import com.example.ebin.model.Product;  
import com.example.ebin.model.ShowAllModel;  
import com.google.android.gms.tasks.OnCompleteListener;  
import com.google.android.gms.tasks.Task;  
import com.google.firebase.auth.FirebaseAuth;  
import com.google.firebase.firestore.DocumentReference;  
import com.google.firebase.firestore.FirebaseFirestore;  
  
import java.text.SimpleDateFormat;  
import java.util.Calendar;  
import java.util.HashMap;  
  
public class ProductDetailActivity extends AppCompatActivity {  
  
  
 Button addToCart,buyNow;  
 Button addprd,remprd;  
  
 int totalQuantity = 1;  
 int totalPrice = 0;  
 int perItemCost;  
  
  
  
 Toolbar toolbar;  
  
 FirebaseAuth auth;  
 private FirebaseFirestore firestore;  
  
  
 Product product = null;  
  
 AllProduct allProduct = null;  
  
 ShowAllModel showAllModel = null;  
  
  
  
 ImageView imageView ;  
 TextView textViewName ;  
 TextView textViewDescription ;  
 TextView textViewPrice ;  
 TextView textViewStock ;  
 TextView textViewQuantity;  
  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_product\_detail*);  
  
 auth = FirebaseAuth.*getInstance*();  
 firestore = FirebaseFirestore.*getInstance*();  
  
  
 toolbar = findViewById(R.id.*detailed\_Toolbar*);  
 setSupportActionBar(toolbar);  
 getSupportActionBar().setDisplayHomeAsUpEnabled(true);  
  
  
 toolbar.setNavigationOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 finish();  
 }  
 });  
  
 imageView = findViewById(R.id.*productImage*);  
 textViewName = findViewById(R.id.*productName*);  
 textViewDescription = findViewById(R.id.*productDescription*);  
 textViewPrice = findViewById(R.id.*prdPrc*);  
 textViewStock = findViewById(R.id.*stock*);  
 textViewQuantity = findViewById(R.id.*quantity*);  
  
  
 addToCart = findViewById(R.id.*addToCartBtn*);  
 buyNow = findViewById(R.id.*buyNow*);  
  
 addprd = findViewById(R.id.*plusBtn*);  
 remprd = findViewById(R.id.*minusBtn*);  
  
  
  
  
  
  
 Intent intent = getIntent(); *// get Intent which we set from Previous Activity* Glide.*with*(this).load(intent.getStringExtra("image")).into(imageView);  
 textViewName.setText(intent.getStringExtra("name"));  
 textViewPrice.setText(intent.getStringExtra("price"));  
 textViewStock.setText(intent.getStringExtra("stock"));  
 textViewDescription.setText(intent.getStringExtra("description"));  
  
  
 *//total Price* perItemCost = Integer.*parseInt*(intent.getStringExtra("price"));  
 totalPrice = perItemCost \* totalQuantity;  
  
  
 *//Buy Now* buyNow.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
  
 Intent intent = new Intent(ProductDetailActivity.this,AddressActivity.class);  
  
 if(product != null){  
 intent.putExtra("item", product);  
 }  
  
 if(allProduct != null){  
 intent.putExtra("item", allProduct);  
 }  
  
 if(showAllModel != null){  
 intent.putExtra("item", showAllModel);  
 }  
 startActivity(intent);  
  
 }  
 });  
  
  
 *//Add To Cart.......* addToCart.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 addToCart();  
 }  
 });  
  
  
  
 addprd.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 if(totalQuantity < 10){  
 totalQuantity++;  
 textViewQuantity.setText(String.*valueOf*(totalQuantity));  
 *//All Products* if( getIntent().getExtras() != null)  
 {  
 perItemCost = Integer.*valueOf*(intent.getStringExtra("price"));  
 totalPrice = perItemCost \* totalQuantity;  
 }  
 *// New Products  
 // similar code as for All products* }  
 }  
 });  
  
  
 remprd.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 if(totalQuantity > 1){  
 totalQuantity--;  
 textViewQuantity.setText(String.*valueOf*(totalQuantity));  
 }  
 }  
 });  
  
  
  
 }  
  
 private void addToCart() {  
  
  
 String saveCurrentTime,saveCurrentDate;  
  
  
 Calendar calForDate =Calendar.*getInstance*();  
  
 SimpleDateFormat currentDate = new SimpleDateFormat("MM dd, yyyy");  
 saveCurrentDate = currentDate.format(calForDate.getTime());  
  
 SimpleDateFormat currentTime = new SimpleDateFormat("HH:mm:ss a");  
 saveCurrentTime = currentTime.format(calForDate.getTime());  
  
 final HashMap<String,Object> cartMap = new HashMap<>();  
  
 cartMap.put("productName",textViewName.getText().toString());  
 cartMap.put("productPrice",textViewPrice.getText().toString());  
 cartMap.put("currentTime",saveCurrentTime);  
 cartMap.put("currentDate",saveCurrentDate);  
 cartMap.put("quantity",textViewQuantity.getText().toString());  
 cartMap.put("totalPrice",totalPrice);  
  
 firestore.collection("AddToCart").document(auth.getCurrentUser().getUid())  
 .collection("user").add(cartMap).addOnCompleteListener(new OnCompleteListener<DocumentReference>() {  
 @Override  
 public void onComplete(@NonNull Task<DocumentReference> task) {  
 Toast.*makeText*(ProductDetailActivity.this, "Added To Your Cart", Toast.*LENGTH\_SHORT*).show();  
 finish();  
 }  
 });  
  
  
 }  
}

XML Code:

*<?*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"  
 tools:context=".activities.ProductDetailActivity">  
  
 <LinearLayout  
 android:id="@+id/upperimage"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent">  
  
 <androidx.appcompat.widget.Toolbar  
 android:id="@+id/detailed\_Toolbar"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 app:title="Product Details"  
 android:minHeight="?attr/actionBarSize"  
 android:theme="?attr/actionBarTheme"  
 />  
  
 <ImageView  
 android:id="@+id/productImage"  
 android:layout\_width="match\_parent"  
 android:layout\_height="200dp"  
 android:layout\_marginStart="8dp"  
 android:layout\_marginTop="8dp"  
 android:layout\_marginEnd="8dp"  
 android:scaleType="fitCenter"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 tools:srcCompat="@drawable/placeholder" />  
 </LinearLayout>  
  
 <LinearLayout  
 android:id="@+id/linearLayout2"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="8dp"  
 android:layout\_marginRight="8dp"  
 android:orientation="vertical"  
 app:layout\_constraintEnd\_toEndOf="@+id/upperimage"  
 app:layout\_constraintStart\_toStartOf="@+id/upperimage"  
 app:layout\_constraintTop\_toBottomOf="@+id/upperimage">  
  
 <RelativeLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:layout\_marginTop="8dp"  
 android:gravity="fill\_horizontal"  
 android:orientation="horizontal">  
  
 <TextView  
 android:id="@+id/productName"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Product Name"  
 android:textColor="@color/black"  
 android:textSize="18sp"  
 android:textStyle="bold" />  
  
 <TextView  
 android:id="@+id/my\_rating"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_toStartOf="@+id/rating"  
 android:text="4.5"  
 android:textColor="@color/black"  
 android:textSize="16sp" />  
  
 <RatingBar  
 android:id="@+id/rating"  
 style="@style/Widget.AppCompat.RatingBar.Small"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentEnd="true"  
 android:layout\_marginTop="4dp"  
 android:isIndicator="true"  
 android:numStars="5"  
 android:stepSize="0.1" />  
  
  
 </RelativeLayout>  
  
 <TextView  
 android:id="@+id/prdPrc"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="4dp"  
 android:text="Product Price"  
 android:textColor="@color/black"  
 android:textStyle="bold" />  
  
 <TextView  
 android:id="@+id/stock"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:layout\_marginTop="8dp"  
 android:text="In stock"  
 android:textColor="@color/black"  
 android:textStyle="bold" />  
  
 <TextView  
 android:id="@+id/productDescription"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="5dp"  
 android:text="Loading details..."  
 android:textColor="@color/black"  
 android:textSize="14sp"  
 app:layout\_constraintEnd\_toEndOf="@+id/productImage"  
 app:layout\_constraintStart\_toStartOf="@+id/productImage"  
 app:layout\_constraintTop\_toBottomOf="@+id/productImage" />  
  
  
 </LinearLayout>  
  
  
 <LinearLayout  
 android:id="@+id/linearLayout3"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent">  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:gravity="center"  
 android:paddingLeft="100dp">  
  
 <LinearLayout  
  
 android:id="@+id/quantitydialog"  
 android:layout\_width="250dp"  
 android:layout\_height="wrap\_content"  
 android:background="@color/white"  
 android:orientation="horizontal"  
 android:padding="5dp"  
  
 >  
  
 <Button  
 android:id="@+id/minusBtn"  
 android:layout\_width="40dp"  
 android:layout\_height="40dp"  
 android:background="@drawable/half\_button\_rounded\_left"  
 android:fontFamily="@font/roboto\_bold"  
 android:text="-"  
 android:textSize="16sp" />  
  
 <TextView  
 android:id="@+id/quantity"  
 android:layout\_width="60dp"  
 android:layout\_height="40dp"  
 android:background="@color/backgroundColor"  
 android:fontFamily="@font/roboto\_bold"  
 android:gravity="center"  
 android:paddingTop="10dp"  
 android:paddingBottom="10dp"  
 android:text="1"  
 android:textColor="@color/black"  
 android:textSize="16sp" />  
  
 <Button  
 android:id="@+id/plusBtn"  
 android:layout\_width="40dp"  
 android:layout\_height="40dp"  
 android:background="@drawable/half\_button\_rounded"  
 android:fontFamily="@font/roboto\_bold"  
 android:text="+"  
 android:textSize="16sp" />  
  
 </LinearLayout>  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="8dp"  
 android:layout\_marginTop="20dp"  
 android:layout\_marginRight="8dp"  
 android:gravity="center"  
 android:orientation="horizontal">  
  
 <Button  
 android:id="@+id/addToCartBtn"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:background="@color/orange"  
 android:drawableLeft="@drawable/ic\_baseline\_add\_shopping\_cart\_24"  
 android:text="Add to Cart" />  
  
 <Button  
 android:id="@+id/buyNow"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:background="@color/orange"  
 android:drawableLeft="@drawable/ic\_baseline\_shopping\_cart\_24"  
 android:text="Buy Now" />  
 </LinearLayout>  
 </LinearLayout>  
  
</androidx.constraintlayout.widget.ConstraintLayout>

**Payment Activity:**

**Java Code:**

package com.example.ebin.activities;  
  
import android.os.Bundle;  
import android.widget.TextView;  
import androidx.appcompat.widget.Toolbar;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import com.example.ebin.R;  
  
public class PaymentActivity extends AppCompatActivity {  
  
  
 Toolbar toolbar;  
 TextView subTotal,discount,shipping,total;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_payment*);  
  
  
 toolbar = findViewById(R.id.*payment\_toolbar*);  
 setSupportActionBar(toolbar);  
 getSupportActionBar().setDisplayHomeAsUpEnabled(true);  
  
 double amount = 0.0;  
 amount = getIntent().getDoubleExtra("amount",0.0);  
  
  
  
  
  
  
 subTotal = findViewById(R.id.*sub\_total*);  
 discount = findViewById(R.id.*textView17*);  
 shipping = findViewById(R.id.*textView18*);  
 total = findViewById(R.id.*total\_amt*);  
  
 subTotal.setText(amount + "Rs");  
  
  
  
  
  
  
 }  
}

**XML Code:**

*<?*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"  
 tools:context=".activities.PaymentActivity">  
  
 <androidx.appcompat.widget.Toolbar  
 android:id="@+id/payment\_toolbar"  
 android:background="@color/red"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 app:titleTextColor="@color/white"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.0"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:title="Payment Detailed"/>  
  
  
  
 <ImageView  
 android:id="@+id/imageView3"  
 android:layout\_width="340dp"  
 android:layout\_height="244dp"  
 android:layout\_marginTop="24dp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.434"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/payment\_toolbar"  
 app:srcCompat="@drawable/card\_prev" />  
  
 <TextView  
 android:id="@+id/textView12"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="84dp"  
 android:text="Subtotal"  
 android:textSize="18sp"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/imageView3" />  
  
 <TextView  
 android:id="@+id/textView14"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="12dp"  
 android:text="Discount"  
 android:textSize="18sp"  
 app:layout\_constraintEnd\_toEndOf="@+id/textView12"  
 app:layout\_constraintStart\_toStartOf="@+id/textView12"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView12" />  
  
 <TextView  
 android:id="@+id/textView15"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="12dp"  
 android:text="Shipping"  
 android:textSize="18sp"  
 app:layout\_constraintEnd\_toEndOf="@+id/textView14"  
 app:layout\_constraintStart\_toStartOf="@+id/textView14"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView14" />  
 <TextView  
 android:id="@+id/sub\_total"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginEnd="84dp"  
 android:text="$ 0"  
 android:textSize="18sp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/imageView3" />  
  
 <TextView  
 android:id="@+id/textView17"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="12dp"  
 android:text="$ 0"  
 android:textSize="18sp"  
 app:layout\_constraintEnd\_toEndOf="@+id/sub\_total"  
 app:layout\_constraintStart\_toStartOf="@+id/sub\_total"  
 app:layout\_constraintTop\_toBottomOf="@+id/sub\_total" />  
  
 <TextView  
 android:id="@+id/textView18"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="12dp"  
 android:text="$ 0"  
 android:textSize="18sp"  
 app:layout\_constraintEnd\_toEndOf="@+id/textView17"  
 app:layout\_constraintStart\_toStartOf="@+id/textView17"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView17" />  
  
 <View  
 android:id="@+id/divider5"  
 android:layout\_width="430dp"  
 android:layout\_height="1dp"  
 android:layout\_marginTop="24dp"  
 android:background="?android:attr/listDivider"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView15" />  
  
 <TextView  
 android:id="@+id/textView19"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="76dp"  
 android:layout\_marginTop="18dp"  
 android:text="Total"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/divider5" />  
  
 <TextView  
 android:id="@+id/total\_amt"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="18dp"  
 android:layout\_marginEnd="76dp"  
 android:text="$ 00"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/divider5" />  
  
 <Button  
 android:id="@+id/pay\_btn"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="44dp"  
 android:text="Check Out"  
 android:textStyle="bold"  
 android:textColor="@android:color/white"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.504"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView19" />  
  
</androidx.constraintlayout.widget.ConstraintLayout>

# Result:

# C:\Users\waqar\Desktop\prj images\s17.jpeg

# C:\Users\waqar\Desktop\prj images\s1.jpeg../Desktop/prj%20images/s2.jpeg../Desktop/prj%20images/s3.jpeg../Desktop/prj%20images/s4.jpeg../Desktop/prj%20images/s5.jpeg../Desktop/prj%20images/s6.jpeg../Desktop/prj%20images/s7.jpeg../Desktop/prj%20images/s8.jpeg../Desktop/prj%20images/s9.jpeg../Desktop/prj%20images/s10.jpeg../Desktop/prj%20images/s11.jpeg../Desktop/prj%20images/s12.jpeg../Desktop/prj%20images/s13.jpeg../Desktop/prj%20images/s14.jpeg../Desktop/prj%20images/s15.jpeg../Desktop/prj%20images/s16.jpeg

# =============================================