activity_welcome.xml

```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/splash_bg"
    tools:context=".WelcomeActivity">

    <ImageView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintRight_toRightOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        android:src="@mipmap/ic_launcher"/>

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

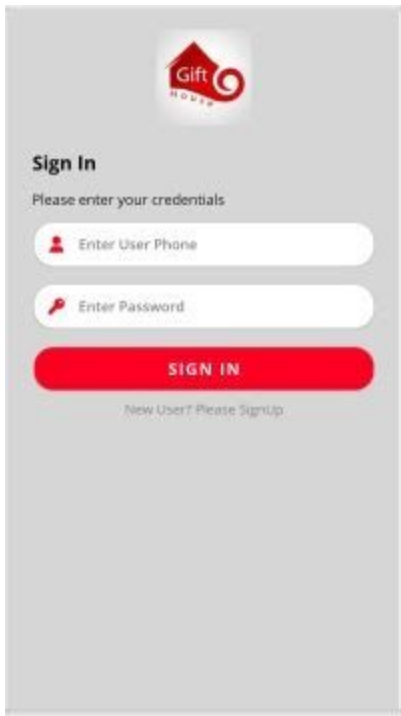**WelcomeActivity.java**

```java
package com.gift.house;

import android.app.Activity;
import android.content.Intent;
import android.content.SharedPreferences;
import android.os.Bundle;
import android.os.Handler;
import android.view.WindowManager;

public class WelcomeActivity extends Activity {
    public final int SPLASH_TIME = 2000;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_welcome);
        getWindow().clearFlags(WindowManager.LayoutParams.FLAG_FORCE_NOT_FULLSCREEN);
        getWindow().addFlags(WindowManager.LayoutParams.FLAG_FULLSCREEN);
        SharedPreferences sharedPreferences =
getSharedPreferences("GiftHouse",MODE_PRIVATE);
        new Handler().postDelayed(new Runnable() {
            @Override
            public void run() {
                if (!sharedPreferences.getString("user_phone","").isEmpty()) {
                    startActivity(new Intent(WelcomeActivity.this,
MainActivity.class));
                } else if (!sharedPreferences.getString("admin","").isEmpty()){
                    startActivity(new Intent(WelcomeActivity.this,
AdminActivity.class));
                } else {
                    startActivity(new Intent(WelcomeActivity.this,
LoginActivity.class));
```

```
            }
            finish();
        }
    }, SPLASH_TIME);
}
}
```


activity_login.xml
```xml
<?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"
    android:layout_weight="3"
    android:background="@color/bgColor"
    android:gravity="center"
    android:orientation="vertical"
    tools:context=".LoginActivity">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_gravity="center"
        android:layout_margin="10dp"
        android:gravity="center"
        android:orientation="vertical">

        <ImageView
            android:layout_width="100dp"
            android:layout_height="100dp"
            android:layout_margin="10dp"
```

```xml
            android:background="@mipmap/ic_launcher" />

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_margin="10dp"
        android:orientation="vertical"
        android:padding="5dp">

        <TextView
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:layout_gravity="center"
            android:fontFamily="@font/opensans_bold"
            android:gravity="center|left"
            android:text="Sign In"
            android:textColor="@color/black"
            android:textSize="20sp" />

        <TextView
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:layout_gravity="center"
            android:layout_marginTop="15dp"
            android:fontFamily="@font/opensans_regular"
            android:gravity="center|left"
            android:text="Please enter your credentials"
            android:textColor="@color/black"
            android:textSize="15sp" />

        <androidx.cardview.widget.CardView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginLeft="2dp"
            android:layout_marginTop="15dp"
            android:layout_marginRight="2dp"
            android:background="@color/white"
            app:cardBackgroundColor="@color/white"
            app:cardCornerRadius="20dp">

            <LinearLayout
                android:layout_width="match_parent"
                android:layout_height="45dp"
                android:orientation="horizontal">

                <View
                    android:layout_width="2dp"
                    android:layout_height="match_parent"
                    android:layout_marginStart="10dp"
                    android:layout_marginTop="10dp"
                    android:layout_marginBottom="10dp"
                    android:alpha="0.4"
                    android:background="@color/black"
                    android:visibility="gone" />
```

```xml
<ImageView
    android:layout_width="17dp"
    android:layout_height="17dp"
    android:layout_gravity="center"
    android:layout_marginLeft="15dp"
    android:background="@drawable/ic_user"
    android:backgroundTint="@color/orange" />

<EditText
    android:id="@+id/etMob"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:layout_gravity="center"
    android:layout_marginLeft="10dp"
    android:layout_marginRight="10dp"
    android:background="@android:color/transparent"
    android:digits="1234567890"
    android:fontFamily="@font/opensans_semibold"
    android:gravity="center|left"
    android:hint="Enter User Phone"
    android:inputType="phone"
    android:maxLength="10"
    android:maxLines="1"
    android:paddingLeft="5dp"
    android:textColor="@color/black"
    android:textColorHint="@color/hintColor"
    android:textSize="15sp" />
    </LinearLayout>
</androidx.cardview.widget.CardView>

<androidx.cardview.widget.CardView
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginLeft="2dp"
    android:layout_marginTop="20dp"
    android:layout_marginRight="2dp"
    android:background="@color/white"
    app:cardBackgroundColor="@color/white"
    app:cardCornerRadius="20dp">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="45dp"
        android:orientation="horizontal">

        <ImageView
            android:layout_width="17dp"
            android:layout_height="17dp"
            android:layout_gravity="center"
            android:layout_marginLeft="15dp"
            android:background="@drawable/ic_key"
            android:backgroundTint="@color/orange" />
```

```xml
        <EditText
            android:id="@+id/etPass"
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:layout_gravity="center"
            android:layout_marginLeft="10dp"
            android:layout_marginRight="10dp"
            android:background="@android:color/transparent"
            android:fontFamily="@font/opensans_semibold"
            android:gravity="center|left"
            android:hint="Enter Password"
            android:maxLines="1"
            android:paddingLeft="5dp"
            android:password="true"
            android:textColor="@color/black"
            android:textColorHint="@color/hintColor"
            android:textSize="15sp" />

    </LinearLayout>

</androidx.cardview.widget.CardView>

<androidx.cardview.widget.CardView
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginLeft="2dp"
    android:layout_marginTop="20dp"
    android:layout_marginRight="2dp"
    android:background="@color/white"
    android:backgroundTint="@color/orange"
    app:cardBackgroundColor="@color/white"
    app:cardCornerRadius="20dp">

    <Button
        android:id="@+id/btn_Login"
        android:layout_width="match_parent"
        android:layout_height="45dp"
        android:layout_gravity="center"
        android:backgroundTint="@color/orange"
        android:fontFamily="@font/opensans_bold"
        android:gravity="center"
        android:text="Sign In"
        android:textAllCaps="true"
        android:textColor="@color/white"
        android:textSize="17sp" />
</androidx.cardview.widget.CardView>

<TextView
    android:id="@+id/btn_ForgotPass"
    android:layout_width="match_parent"
    android:layout_height="30dp"
    android:layout_gravity="center"
    android:layout_marginLeft="10dp"
    android:layout_marginTop="10dp"
```

```xml
        android:layout_marginRight="10dp"
        android:fontFamily="@font/opensans_regular"
        android:gravity="center"
        android:text="Forgot Password?"
        android:textColor="@color/hintColor"
        android:textSize="14sp"
        android:visibility="gone" />

    <TextView
        android:id="@+id/txt_Signup"
        android:layout_width="match_parent"
        android:layout_height="30dp"
        android:layout_gravity="center"
        android:layout_marginLeft="10dp"
        android:layout_marginTop="5dp"
        android:layout_marginRight="10dp"
        android:fontFamily="@font/opensans_regular"
        android:gravity="center"
        android:text="New User? Please SignUp"
        android:textColor="@color/hintColor"
        android:textSize="14sp" />

    <TextView
        android:layout_width="match_parent"
        android:layout_height="30dp"
        android:layout_gravity="center"
        android:layout_marginLeft="10dp"
        android:layout_marginTop="10dp"
        android:layout_marginRight="10dp"
        android:fontFamily="@font/opensans_semibold"
        android:gravity="center|left"
        android:paddingLeft="5dp"
        android:text="OR LOGIN WITH"
        android:textColor="@color/black"
        android:textSize="14sp"
        android:visibility="gone" />

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="45dp"
        android:layout_gravity="center"
        android:layout_marginLeft="15dp"
        android:layout_marginTop="15dp"
        android:layout_marginRight="15dp"
        android:gravity="center"
        android:orientation="horizontal"
        android:visibility="gone"
        android:weightSum="2">

        <androidx.cardview.widget.CardView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginRight="8dp"
            android:background="@color/white"
```

```xml
                app:cardBackgroundColor="@color/white"
                app:cardCornerRadius="20dp">

            </androidx.cardview.widget.CardView>

            <androidx.cardview.widget.CardView
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:layout_marginLeft="8dp"
                android:background="@color/white"
                app:cardBackgroundColor="@color/white"
                app:cardCornerRadius="20dp">

            </androidx.cardview.widget.CardView>


        </LinearLayout>

    </LinearLayout>
</LinearLayout>

<LinearLayout
    android:id="@+id/skip"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentEnd="true"
    android:layout_alignParentBottom="true"
    android:layout_marginEnd="30dp"
    android:layout_marginBottom="30dp"
    android:gravity="center_vertical"
    android:orientation="horizontal"
    android:padding="10dp">

</LinearLayout>
</RelativeLayout>
```

LoginActivity.java

```java
package com.gift.house;

import android.content.Intent;
import android.content.SharedPreferences;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
import android.widget.Toast;


import androidx.appcompat.app.AppCompatActivity;


public class LoginActivity extends AppCompatActivity implements View.OnClickListener {

    public static final String ADMIN_PHONE = "1111111111";
    public static final String ADMIN_PASSWORD = "admin";
```

```java
    private EditText username;
    private EditText password;
    private Button signIn;
    private TextView signUp;
    private DBHelper database;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_login);

        database = new DBHelper(this);
        username = findViewById(R.id.etMob);
        password = findViewById(R.id.etPass);
        signIn = findViewById(R.id.btn_Login);
        signUp = findViewById(R.id.txt_Signup);

        signIn.setOnClickListener(this);
        signUp.setOnClickListener(this);
    }

    @Override
    public void onClick(View v) {
        switch (v.getId()) {
            case R.id.btn_Login:
                userLogin();
                break;
            case R.id.txt_Signup:
                startActivity(new Intent(this, RegisterActivity.class));

                break;
        }

    }

    private void userLogin() {
        String user = username.getText().toString().trim();
        String pass = password.getText().toString().trim();

        if (!valid(user, pass)) return;

        if (user.equals(ADMIN_PHONE) && pass.equals(ADMIN_PASSWORD)) {
            SharedPreferences sharedPreferences = getSharedPreferences("GiftHouse",
MODE_PRIVATE);
            SharedPreferences.Editor editor = sharedPreferences.edit();
            editor.putString("admin", "admin");
            editor.apply();
            startActivity(new Intent(this, AdminActivity.class));
            finish();
        } else {
            if (database.userLogin(user, pass)) {
                SharedPreferences sharedPreferences = getSharedPreferences("GiftHouse",
MODE_PRIVATE);
```

```java
                    SharedPreferences.Editor editor = sharedPreferences.edit();
                    try {
                        editor.putString("user_name", database.getUser(user).getName());
                    } catch (Exception e) {
                        editor.putString("user_name", user);
                    }
                    editor.putString("user_phone", user);
                    editor.apply();
                    startActivity(new Intent(this, MainActivity.class));
                    finish();
                } else {
                    Toast.makeText(this, "Incorrect Username or Password",
Toast.LENGTH_LONG).show();
                }
            }

    }

    private boolean valid(String user, String pass) {

        if (user.isEmpty()) {
            Toast.makeText(this, "Enter valid username", Toast.LENGTH_LONG).show();
            username.setError("Enter valid Username");
            return false;
        }
        if (pass.isEmpty()) {
            Toast.makeText(this, "Enter valid Password", Toast.LENGTH_LONG).show();
            password.setError("Enter valid Password");
            return false;
        }

        return true;
    }
}
```
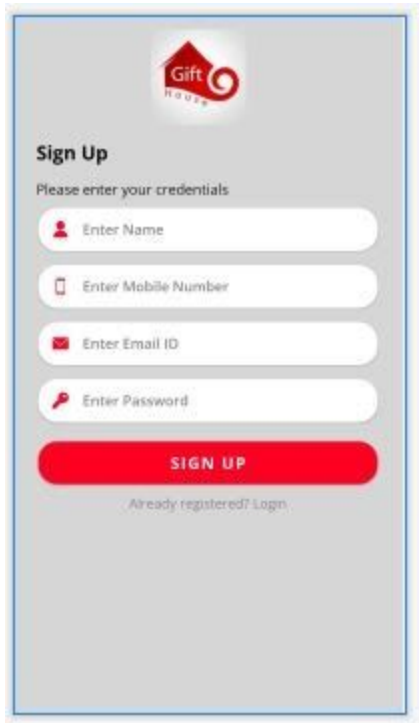
activity_register.xml

```xml
<?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"
    android:background="@color/bgColor"
    tools:context=".RegisterActivity">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_margin="10dp"
        android:gravity="center"
        android:orientation="vertical">


        <ImageView
            android:id="@+id/profile_image"
            android:layout_width="100dp"
            android:layout_height="100dp"
            android:layout_marginTop="5dp"
            android:layout_marginRight="10dp"
            android:src="@mipmap/ic_launcher" />

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_margin="10dp"
            android:orientation="vertical"
            android:padding="5dp">

            <TextView
```

```xml
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:layout_gravity="center"
    android:fontFamily="@font/opensans_bold"
    android:gravity="center|left"
    android:text="Sign Up"
    android:textColor="@color/black"
    android:textSize="20sp" />

<TextView
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:layout_gravity="center"
    android:layout_marginTop="15dp"
    android:fontFamily="@font/opensans_regular"
    android:gravity="center|left"
    android:text="Please enter your credentials"
    android:textColor="@color/black"
    android:textSize="15sp" />

<androidx.cardview.widget.CardView
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginLeft="2dp"
    android:layout_marginTop="10dp"
    android:layout_marginRight="2dp"
    android:background="@color/white"
    app:cardBackgroundColor="@color/white"
    app:cardCornerRadius="20dp">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="45dp"
        android:orientation="horizontal">

        <ImageView
            android:layout_width="17dp"
            android:layout_height="17dp"
            android:layout_gravity="center"
            android:layout_marginLeft="15dp"
            android:background="@drawable/ic_user"
            android:backgroundTint="@color/orange" />

        <EditText
            android:id="@+id/etName"
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:layout_gravity="center"
            android:layout_marginLeft="10dp"
            android:layout_marginRight="10dp"
            android:background="@android:color/transparent"
            android:fontFamily="@font/opensans_semibold"
            android:gravity="center|left"
            android:hint="Enter Name"
```

```xml
                android:maxLines="1"
                android:paddingLeft="5dp"
                android:singleLine="true"
                android:textColor="@color/black"
                android:textColorHint="@color/hintColor"
                android:textSize="15sp" />

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

    <androidx.cardview.widget.CardView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginLeft="2dp"
        android:layout_marginTop="15dp"
        android:layout_marginRight="2dp"
        android:background="@color/white"
        app:cardBackgroundColor="@color/white"
        app:cardCornerRadius="20dp">

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="45dp"
            android:orientation="horizontal">

            <ImageView
                android:layout_width="17dp"
                android:layout_height="17dp"
                android:layout_gravity="center"
                android:layout_marginLeft="15dp"
                android:background="@drawable/ic_smartphone"
                android:backgroundTint="@color/orange" />


            <View
                android:layout_width="2dp"
                android:layout_height="match_parent"
                android:layout_marginStart="10dp"
                android:layout_marginTop="10dp"
                android:layout_marginBottom="10dp"
                android:alpha="0.4"
                android:background="@color/black"
                android:visibility="gone" />

            <EditText
                android:id="@+id/etPhone"
                android:layout_width="match_parent"
                android:layout_height="match_parent"
                android:layout_gravity="center"
                android:layout_marginLeft="10dp"
                android:layout_marginRight="10dp"
                android:background="@android:color/transparent"
                android:digits="1234567890"
                android:fontFamily="@font/opensans_semibold"
```

```xml
                android:gravity="center|left"
                android:hint="Enter Mobile Number"
                android:inputType="phone"
                android:maxLength="10"
                android:maxLines="1"
                android:paddingLeft="5dp"
                android:textColor="@color/black"
                android:textColorHint="@color/hintColor"
                android:textSize="15sp" />

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

    <androidx.cardview.widget.CardView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginLeft="2dp"
        android:layout_marginTop="15dp"
        android:layout_marginRight="2dp"
        android:background="@color/white"
        app:cardBackgroundColor="@color/white"
        app:cardCornerRadius="20dp">

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="45dp"
            android:orientation="horizontal">

            <ImageView
                android:layout_width="17dp"
                android:layout_height="17dp"
                android:layout_gravity="center"
                android:layout_marginLeft="15dp"
                android:background="@drawable/ic_envelope"
                android:backgroundTint="@color/orange" />

            <EditText
                android:id="@+id/etEmail"
                android:layout_width="match_parent"
                android:layout_height="match_parent"
                android:layout_gravity="center"
                android:layout_marginLeft="10dp"
                android:layout_marginRight="10dp"
                android:background="@android:color/transparent"
                android:fontFamily="@font/opensans_semibold"
                android:gravity="center|left"
                android:hint="Enter Email ID"
                android:inputType="textEmailAddress"
                android:maxLines="1"
                android:paddingLeft="5dp"
                android:textColor="@color/black"
                android:textColorHint="@color/hintColor"
                android:textSize="15sp" />
```

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

    <androidx.cardview.widget.CardView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginLeft="2dp"
        android:layout_marginTop="15dp"
        android:layout_marginRight="2dp"
        android:background="@color/white"
        app:cardBackgroundColor="@color/white"
        app:cardCornerRadius="20dp">

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="45dp"
            android:orientation="horizontal">

            <ImageView
                android:layout_width="17dp"
                android:layout_height="17dp"
                android:layout_gravity="center"
                android:layout_marginLeft="15dp"
                android:background="@drawable/ic_key"
                android:backgroundTint="@color/orange" />

            <EditText
                android:id="@+id/etPass"
                android:layout_width="match_parent"
                android:layout_height="match_parent"
                android:layout_gravity="center"
                android:layout_marginLeft="10dp"
                android:layout_marginRight="10dp"
                android:background="@android:color/transparent"
                android:fontFamily="@font/opensans_semibold"
                android:gravity="center|left"
                android:hint="Enter Password"
                android:maxLines="1"
                android:paddingLeft="5dp"
                android:password="true"
                android:textColor="@color/black"
                android:textColorHint="@color/hintColor"
                android:textSize="15sp" />

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

    <androidx.cardview.widget.CardView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginLeft="2dp"
        android:layout_marginTop="20dp"
        android:layout_marginRight="2dp"
        android:background="@color/white"
```

```xml
                    app:cardBackgroundColor="@color/white"
                    app:cardCornerRadius="20dp">

                    <Button
                        android:id="@+id/btnSignUP"
                        android:layout_width="match_parent"
                        android:layout_height="45dp"
                        android:background="@color/orange"
                        android:fontFamily="@font/opensans_bold"
                        android:gravity="center"
                        android:text="Sign Up"
                        android:textAllCaps="true"
                        android:textColor="@color/white"
                        android:textSize="17sp" />
                </androidx.cardview.widget.CardView>

                <TextView
                    android:id="@+id/btn_Login"
                    android:layout_width="match_parent"
                    android:layout_height="30dp"
                    android:layout_gravity="center"
                    android:layout_marginLeft="10dp"
                    android:layout_marginTop="5dp"
                    android:layout_marginRight="10dp"
                    android:fontFamily="@font/opensans_regular"
                    android:gravity="center"
                    android:text="Already registered? Login"
                    android:textColor="@color/hintColor"
                    android:textSize="14sp" />


            </LinearLayout>
        </LinearLayout>


</RelativeLayout>
```

RegisterActivity.java

```java
package com.gift.house;

import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
import android.widget.Toast;

import androidx.appcompat.app.AppCompatActivity;

import com.gift.house.models.User;

public class RegisterActivity extends AppCompatActivity implements
View.OnClickListener {
```

```java
private EditText name, phone, email, password;
private Button signUp;
private TextView login;

private DBHelper database;


@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_register);

    database = new DBHelper(this);
    name = findViewById(R.id.etName);
    phone = findViewById(R.id.etPhone);
    email = findViewById(R.id.etEmail);
    password = findViewById(R.id.etPass);
    signUp = findViewById(R.id.btnSignUP);
    login = findViewById(R.id.btn_Login);

    signUp.setOnClickListener(this);
    login.setOnClickListener(this);


}

@Override
public void onClick(View v) {

    switch (v.getId()) {
        case R.id.btnSignUP:
            register();
            break;
        case R.id.btn_Login:
            finish();
            break;
    }

}

private void register() {
    User user = new User();
    user.setName(name.getText().toString().trim());
    user.setPhone(phone.getText().toString().trim());
    user.setEmail(email.getText().toString().trim());
    user.setPassword(password.getText().toString().trim());
    user.setAddress("");

    if (!valid(user)) return;

    database.insertUser(user);
    Toast.makeText(this, "Registered Successfully", Toast.LENGTH_LONG).show();
    finish();
```

```java
    }

    private boolean valid(User user) {

        if (user.getName().isEmpty()) {
            Toast.makeText(this, "Enter name", Toast.LENGTH_LONG).show();
            name.setError("Enter valid name");
            return false;
        }
        if (user.getPhone().isEmpty()) {
            Toast.makeText(this, "Enter valid phone", Toast.LENGTH_LONG).show();
            phone.setError("Enter valid phone");
            return false;
        }
        if (user.getEmail().isEmpty()) {
            Toast.makeText(this, "Enter valid email id", Toast.LENGTH_LONG).show();
            email.setError("Enter valid email");
            return false;
        }
        if (user.getPassword().isEmpty()) {
            Toast.makeText(this, "Enter valid Password", Toast.LENGTH_LONG).show();
            password.setError("Enter valid Password");
            return false;
        }


        return true;
    }
}
```

activity_admin.xml

```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"
    tools:context=".AdminActivity">

    <LinearLayout
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:layout_margin="24dp"
        android:gravity="center"
        android:orientation="vertical"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent">

        <Button
            android:id="@+id/view_orders"
            android:layout_width="match_parent"
            android:layout_height="60dp"
            android:layout_marginBottom="16dp"
            android:layout_weight="1"
            android:backgroundTint="@color/orange"
            android:text="View Orders"
            android:textColor="@color/white" />

        <Button
            android:id="@+id/category_master"
            android:layout_width="match_parent"
```

```xml
            android:layout_height="60dp"
            android:layout_marginBottom="16dp"
            android:layout_weight="1"
            android:backgroundTint="@color/orange"
            android:text="Category Master"
            android:textColor="@color/white" />

        <Button
            android:id="@+id/product_master"
            android:layout_width="match_parent"
            android:layout_height="60dp"
            android:layout_marginBottom="16dp"
            android:layout_weight="1"
            android:backgroundTint="@color/orange"
            android:text="Product Master"
            android:textColor="@color/white" />

        <Button
            android:id="@+id/all_users"
            android:layout_width="match_parent"
            android:layout_height="60dp"
            android:layout_marginBottom="16dp"
            android:layout_weight="1"
            android:backgroundTint="@color/orange"
            android:text="All Users"
            android:textColor="@color/white" />
    </LinearLayout>
</androidx.constraintlayout.widget.ConstraintLayout>
```

AdminActivity.java

```java
package com.gift.house;

import android.content.Intent;
import android.content.SharedPreferences;
import android.os.Bundle;
import android.util.Log;
import android.view.Menu;
import android.view.MenuItem;
import android.view.View;
import android.widget.Button;

import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;

public class AdminActivity extends AppCompatActivity implements View.OnClickListener {

    private Button view_orders, category_master, product_master, all_users;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_admin);

        view_orders = findViewById(R.id.view_orders);
```

```java
        category_master = findViewById(R.id.category_master);
        product_master = findViewById(R.id.product_master);
        all_users = findViewById(R.id.all_users);

        view_orders.setOnClickListener(this);
        category_master.setOnClickListener(this);
        product_master.setOnClickListener(this);
        all_users.setOnClickListener(this);

    }

    @Override
    public boolean onCreateOptionsMenu(Menu menu) {
        getMenuInflater().inflate(R.menu.menu_admin, menu);
        return true;
    }

    @Override
    public boolean onOptionsItemSelected(@NonNull MenuItem item) {
        SharedPreferences sharedPreferences =
getSharedPreferences("GiftHouse",MODE_PRIVATE);
        SharedPreferences.Editor editor = sharedPreferences.edit();
        editor.putString("admin","");
        editor.apply();
        startActivity(new Intent(this,LoginActivity.class));
        finishAffinity();
        return super.onOptionsItemSelected(item);
    }

    @Override
    public void onClick(View v) {

        switch (v.getId()){
            case R.id.view_orders:
                startActivity(new Intent(this, OrdersActivity.class));
                break;

            case R.id.category_master:
                startActivity(new Intent(this, CategoriesActivity.class));
                break;

            case R.id.product_master:
                startActivity(new Intent(this, ProductsActivity.class));
                break;

            case R.id.all_users:
                startActivity(new Intent(this, UsersActivity.class));
                break;
        }

    }
}
```

activity_orders.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".OrdersActivity">

    <androidx.recyclerview.widget.RecyclerView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/rv_orders" />

</LinearLayout>
```

OrdersActivity.java
```java
package com.gift.house;

import android.content.Context;
import android.os.Bundle;

import androidx.appcompat.app.AppCompatActivity;
import androidx.recyclerview.widget.DividerItemDecoration;
import androidx.recyclerview.widget.LinearLayoutManager;
import androidx.recyclerview.widget.RecyclerView;

import com.gift.house.adapters.OrdersAdapter;
import com.gift.house.models.Order;

import java.util.ArrayList;

public class OrdersActivity extends AppCompatActivity {

    Context context;
    RecyclerView rvOrders;
    OrdersAdapter ordersAdapter;
    DBHelper database;
    ArrayList<Order> orders;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_orders);
        context = this;
        database = new DBHelper(context);
        orders = new ArrayList<>();
        ArrayList<Order> orders_ = database.getAllOrders();
        for (Order order : orders_) {
            orders.add(0, order);
        }
        rvOrders = findViewById(R.id.rv_orders);
        ordersAdapter = new OrdersAdapter(context, orders);
        rvOrders.setLayoutManager(new LinearLayoutManager(context));
        rvOrders.addItemDecoration(new DividerItemDecoration(context,
DividerItemDecoration.VERTICAL));
```

```java
        rvOrders.setAdapter(ordersAdapter);
    }
}
```

row_layout_orders.xml


```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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="wrap_content"
    android:orientation="vertical"
    android:padding="10dp">
    <TextView
        android:id="@+id/tv_order_id"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_margin="6dp"
        android:maxLines="1"
        android:ellipsize="end"
        android:text="Order ID: 1273571235"
        tools:ignore="HardcodedText" />

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_margin="6dp"
        android:orientation="horizontal">
        <TextView
            android:id="@+id/tv_mobile"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_weight="1"
            android:drawablePadding="8dp"
            android:text="21375127357"
            android:gravity="center_vertical"
            android:drawableTint="@color/colorPrimaryDark"
            app:drawableStartCompat="@drawable/ic_phone"
            tools:ignore="HardcodedText" />
        <TextView
            android:id="@+id/tv_amount"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_weight="1"
            android:drawablePadding="8dp"
            android:text="Amount: ₹1836"
            android:gravity="center_vertical|end"
            tools:ignore="HardcodedText" />
    </LinearLayout>
</LinearLayout>
```

OrdersAdapter.java

```java
package com.gift.house.adapters;

import android.annotation.SuppressLint;
import android.content.Context;
import android.content.Intent;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.TextView;

import androidx.annotation.NonNull;
import androidx.recyclerview.widget.RecyclerView;

import com.gift.house.OrderDetailsActivity;
import com.gift.house.R;
import com.gift.house.models.Order;

import java.util.ArrayList;

public class OrdersAdapter extends RecyclerView.Adapter<OrdersAdapter.ViewHolder> {

    Context context;
    ArrayList<Order> orders;

    public OrdersAdapter(Context context, ArrayList<Order> orders) {
        this.context = context;
        this.orders = orders;
    }

    @NonNull
    @Override
    public ViewHolder onCreateViewHolder(@NonNull ViewGroup parent, int viewType) {
        return new
ViewHolder(LayoutInflater.from(context).inflate(R.layout.row_layout_orders, parent,
false));
    }

    @SuppressLint("SetTextI18n")
    @Override
    public void onBindViewHolder(@NonNull ViewHolder holder, int position) {
        Order order = orders.get(position);
        holder.tvOrderID.setText("Order ID: " + order.getOrder_number());
        holder.tvPhone.setText(order.getUser_phone());
        holder.tvPrice.setText("Amount: ₹" + order.getAmount());
        holder.itemView.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                context.startActivity((new Intent(context,
OrderDetailsActivity.class)).putExtra("order", order));
            }
        });
```

```
        }

        @Override
        public int getItemCount() {
            return orders.size();
        }

        public class ViewHolder extends RecyclerView.ViewHolder {
            TextView tvOrderID, tvPhone, tvPrice;

            public ViewHolder(@NonNull View itemView) {
                super(itemView);
                tvOrderID = itemView.findViewById(R.id.tv_order_id);
                tvPhone = itemView.findViewById(R.id.tv_mobile);
                tvPrice = itemView.findViewById(R.id.tv_amount);
            }
        }
    }
}
```

activity_categories.xml
```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".CategoriesActivity">

    <androidx.recyclerview.widget.RecyclerView
        android:id="@+id/rv_categories"
        android:layout_width="match_parent"
        android:layout_height="wrap_content" />

</LinearLayout>
```

CategoriesActivity.java
```java
package com.gift.house;

import android.content.Context;
import android.content.Intent;
import android.os.Bundle;
import android.view.Menu;
import android.view.MenuItem;

import androidx.appcompat.app.AppCompatActivity;
import androidx.recyclerview.widget.DividerItemDecoration;
import androidx.recyclerview.widget.LinearLayoutManager;
import androidx.recyclerview.widget.RecyclerView;

import com.gift.house.adapters.CategoriesAdapter;
import com.gift.house.models.Category;

import java.util.ArrayList;

public class CategoriesActivity extends AppCompatActivity {
```

```java
    Context context;
    RecyclerView rvCategories;
    CategoriesAdapter categoriesAdapter;
    DBHelper database;
    ArrayList<Category> categories;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_categories);
        context = this;
        database = new DBHelper(context);


    }

    @Override
    protected void onResume() {
        super.onResume();
        categories = new ArrayList<>();
        categories.addAll(database.getCategories());
        rvCategories = findViewById(R.id.rv_categories);
        categoriesAdapter = new CategoriesAdapter(context, categories);
        rvCategories.setLayoutManager(new LinearLayoutManager(context));
        rvCategories.addItemDecoration(new DividerItemDecoration(context,
DividerItemDecoration.VERTICAL));
        rvCategories.setAdapter(categoriesAdapter);
    }

    @Override
    public boolean onCreateOptionsMenu(Menu menu) {
        getMenuInflater().inflate(R.menu.menu_cat, menu);
        return true;
    }

    @Override
    public boolean onOptionsItemSelected(MenuItem item) {

        switch (item.getItemId()) {

            case R.id.action_add_cat:
                //TODO add menu action here
                 startActivity(new Intent(context, AddCategory.class));
                return true;

            default:

                return super.onOptionsItemSelected(item);
        }


    }

}
```

row_layout_category.xml


```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:padding="10dp">

    <TextView
        android:id="@+id/tv_cat_name"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_margin="6dp"
        android:text="Category Name" />

</LinearLayout>
```

CategoriesAdapter.java
```java
package com.gift.house.adapters;

import android.content.Context;
import android.content.Intent;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.TextView;

import androidx.annotation.NonNull;
import androidx.recyclerview.widget.RecyclerView;

import com.gift.house.AddCategory;
import com.gift.house.R;
import com.gift.house.models.Category;

import java.util.ArrayList;

public class CategoriesAdapter extends
RecyclerView.Adapter<CategoriesAdapter.ViewHolder> {
    Context context;
    ArrayList<Category> categories;

    public CategoriesAdapter(Context context, ArrayList<Category> categories) {
        this.context = context;
        this.categories = categories;
    }

    @NonNull
    @Override
    public ViewHolder onCreateViewHolder(@NonNull ViewGroup parent, int viewType) {
```

```java
        return new
ViewHolder(LayoutInflater.from(context).inflate(R.layout.row_layout_category, parent,
false));
    }

    @Override
    public void onBindViewHolder(@NonNull ViewHolder holder, int position) {
        Category category = categories.get(position);
        holder.tvCatName.setText(category.getName());

        holder.itemView.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent intent = new Intent(context, AddCategory.class);
                intent.putExtra("category", category);
                context.startActivity(intent);
            }
        });
    }

    @Override
    public int getItemCount() {
        return categories.size();
    }

    public class ViewHolder extends RecyclerView.ViewHolder {
        TextView tvCatName;

        public ViewHolder(@NonNull View itemView) {
            super(itemView);
            tvCatName = itemView.findViewById(R.id.tv_cat_name);
        }
    }
}
```

activity_add_category.xml


```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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:layout_margin="16dp"
    android:orientation="vertical"
    android:padding="16dp"
    tools:context=".AddCategory">
```

```xml
    <androidx.cardview.widget.CardView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginLeft="2dp"
        android:layout_marginTop="48dp"
        android:layout_marginRight="2dp"
        android:layout_marginBottom="24dp"
        android:background="@color/white"
        app:cardBackgroundColor="@color/white"
        app:cardCornerRadius="20dp">

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="45dp"
            android:orientation="horizontal">

            <EditText
                android:id="@+id/cat_name"
                android:layout_width="match_parent"
                android:layout_height="match_parent"
                android:layout_gravity="center"
                android:layout_marginLeft="10dp"
                android:layout_marginRight="10dp"
                android:background="@android:color/transparent"
                android:fontFamily="@font/opensans_semibold"
                android:gravity="center|left"
                android:hint="Category Name"
                android:inputType="textMultiLine"
                android:paddingLeft="5dp"
                android:singleLine="true"
                android:textColor="@color/black"
                android:textColorHint="@color/hintColor"
                android:textSize="15sp" />

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

    <Button
        android:id="@+id/save"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:onClick="onClick"
        android:text="Save"
        android:textColor="@color/white" />
</LinearLayout>
```

AddCategory.java
```java
package com.gift.house;

import android.os.Bundle;
import android.view.Menu;
import android.view.MenuItem;
import android.view.View;
```

```java
import android.widget.EditText;
import android.widget.Toast;

import androidx.appcompat.app.AppCompatActivity;

import com.gift.house.models.Category;

public class AddCategory extends AppCompatActivity {

    private EditText cat_name;
    private DBHelper database;
    private Category category;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_add_category);

        database = new DBHelper(this);
        cat_name = findViewById(R.id.cat_name);

        Bundle bundle = getIntent().getExtras();
        if (bundle != null) {
            category = (Category) bundle.get("category");
            cat_name.setText(category.getName());
        }
    }

    public void onClick(View view) {
        if (category == null) {
            insert();
        } else {
            update(category);
        }
    }

    private void insert() {
        Category cat = new Category();
        cat.setName(cat_name.getText().toString().trim());

        if (cat.getName().isEmpty()) {
            Toast.makeText(this, "Enter Category", Toast.LENGTH_LONG).show();
            cat_name.setError("Enter Category");
            return;
        }

        database.insertCategory(cat);
        Toast.makeText(this, "Category Added Successfully", Toast.LENGTH_LONG).show();
        onBackPressed();
    }

    private void update(Category category) {

        if (cat_name.getText().toString().trim().isEmpty()) {
```

```java
            Toast.makeText(this, "Enter Category", Toast.LENGTH_LONG).show();
            cat_name.setError("Enter Category");
            return;
        }

        category.setName(cat_name.getText().toString().trim());
        database.updateCategory(category);
        Toast.makeText(this, "Updated Successfully", Toast.LENGTH_LONG).show();
        onBackPressed();
    }

    @Override
    public boolean onCreateOptionsMenu(Menu menu) {
        getMenuInflater().inflate(R.menu.menu_add_category, menu);
        if (category == null)
            menu.findItem(R.id.action_delete).setVisible(false);
        return true;
    }

    @Override
    public boolean onOptionsItemSelected(MenuItem item) {
        switch (item.getItemId()) {
            case R.id.action_delete:
                //TODO add menu action here
                delete();
                return true;
            default:
                return super.onOptionsItemSelected(item);
        }
    }

    private void delete() {
        database.deleteCategory(category.getId());
        finish();
    }
}
```

activity_products.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    tools:context=".ProductsActivity">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:background="@color/very_lightGrey"
        android:orientation="horizontal"
        android:padding="10dp">

        <TextView
```

```xml
            android:id="@+id/tv_name"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_weight="1"
            android:gravity="center"
            android:paddingStart="4dp"
            android:paddingEnd="4dp"
            android:text="Name"
            android:textColor="@color/black"
            tools:ignore="HardcodedText" />

        <TextView
            android:id="@+id/tv_category"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_weight="1"
            android:gravity="center"
            android:paddingStart="4dp"
            android:paddingEnd="4dp"
            android:text="Category"
            android:textColor="@color/black"
            tools:ignore="HardcodedText" />

        <TextView
            android:id="@+id/tv_description"
            android:layout_width="180dp"
            android:layout_height="wrap_content"
            android:gravity="center"
            android:paddingStart="4dp"
            android:paddingEnd="4dp"
            android:text="Description"
            android:textColor="@color/black"
            tools:ignore="HardcodedText" />

        <TextView
            android:id="@+id/tv_price"
            android:layout_width="60dp"
            android:layout_height="wrap_content"
            android:gravity="center"
            android:paddingStart="4dp"
            android:paddingEnd="4dp"
            android:text="Price(₹)"
            android:textColor="@color/black"
            tools:ignore="HardcodedText" />
    </LinearLayout>

    <androidx.recyclerview.widget.RecyclerView
        android:id="@+id/rv_products_home"
        android:layout_width="match_parent"
        android:layout_height="wrap_content" />

</LinearLayout>
```

ProductsActivity.java

```java
package com.gift.house;

import android.content.Context;
import android.content.Intent;
import android.os.Bundle;
import android.view.Menu;
import android.view.MenuItem;

import androidx.appcompat.app.AppCompatActivity;
import androidx.recyclerview.widget.DividerItemDecoration;
import androidx.recyclerview.widget.LinearLayoutManager;
import androidx.recyclerview.widget.RecyclerView;

import com.gift.house.adapters.ProductsAdapter;
import com.gift.house.models.Product;

import java.util.ArrayList;

public class ProductsActivity extends AppCompatActivity {

    Context context;
    RecyclerView rvProducts;
    ProductsAdapter productsAdapter;
    DBHelper database;
    ArrayList<Product> products;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_products);
        context = this;
        database = new DBHelper(context);

        rvProducts = findViewById(R.id.rv_products_home);

    }

    @Override
    protected void onResume() {
        super.onResume();
        products = new ArrayList<>();

        products.addAll(database.getAllProducts());
        productsAdapter = new ProductsAdapter(context, products);
        rvProducts.setLayoutManager(new LinearLayoutManager(context));
        rvProducts.addItemDecoration(new DividerItemDecoration(context,
DividerItemDecoration.VERTICAL));
        rvProducts.setAdapter(productsAdapter);
    }

    @Override
```

```java
    public boolean onCreateOptionsMenu(Menu menu) {
        getMenuInflater().inflate(R.menu.menu_products, menu);
        return true;
    }


    @Override
    public boolean onOptionsItemSelected(MenuItem item) {

        switch (item.getItemId()) {

            case R.id.action_add:
                //TODO add menu action here
                 startActivity(new Intent(context, AddProduct.class));
                return true;

            default:

                return super.onOptionsItemSelected(item);
        }

    }

}
```

row_layout_product_admin.xml


```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal"
    android:padding="10dp">
    <TextView
        android:id="@+id/txt_close"
        android:layout_width="20dp"
        android:layout_height="20dp"
        android:layout_margin="8dp"
        android:layout_gravity="end"
        android:visibility="gone" />
    <TextView
        android:id="@+id/tv_name"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_weight="1"
        android:paddingStart="4dp"
        android:paddingEnd="4dp"
        android:gravity="center" />

    <TextView
        android:id="@+id/tv_category"
```

```xml
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_weight="1"
        android:paddingStart="4dp"
        android:paddingEnd="4dp"
        android:gravity="center" />

    <TextView
        android:id="@+id/tv_description"
        android:layout_width="180dp"
        android:layout_height="wrap_content"
        android:paddingStart="4dp"
        android:paddingEnd="4dp"
        android:gravity="center" />

    <TextView
        android:id="@+id/tv_price"
        android:layout_width="60dp"
        android:layout_height="wrap_content"
        android:paddingStart="4dp"
        android:paddingEnd="4dp"
        android:gravity="center" />

    <androidx.constraintlayout.widget.ConstraintLayout
        android:id="@+id/btn_add"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:orientation="horizontal"
        android:visibility="gone"/>

    <androidx.constraintlayout.widget.ConstraintLayout
        android:id="@+id/btn_remove"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:orientation="horizontal"
        android:visibility="gone" />

    <ImageView
        android:id="@+id/prodImage"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:visibility="gone"
        tools:ignore="ContentDescription" />
</LinearLayout>
```

ProductsAdapter.java

```java
package com.gift.house.adapters;

import android.content.Context;
import android.content.Intent;
import android.content.SharedPreferences;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
```

```java
import android.widget.ImageView;
import android.widget.TextView;

import androidx.annotation.NonNull;
import androidx.constraintlayout.widget.ConstraintLayout;
import androidx.recyclerview.widget.RecyclerView;

import com.gift.house.AddProduct;
import com.gift.house.DBHelper;
import com.gift.house.R;
import com.gift.house.models.Order;
import com.gift.house.models.Product;
import com.gift.house.utils.utils;
import com.google.gson.Gson;
import com.google.gson.reflect.TypeToken;

import java.lang.reflect.Type;
import java.util.ArrayList;

import static android.content.Context.MODE_PRIVATE;

public class ProductsAdapter extends RecyclerView.Adapter<ProductsAdapter.ViewHolder>
{
    Context context;
    ArrayList<Product> products;
    ArrayList<Product> cartProducts;
    boolean isOrderDetails = false;
    boolean isCart = false;
    int layoutID;
    DBHelper database;
    SharedPreferences sharedPreferences;

    public ProductsAdapter(Context context, ArrayList<Product> products) {
        this.context = context;
        this.products = products;
        database = new DBHelper(context);
        sharedPreferences = context.getSharedPreferences("GiftHouse", MODE_PRIVATE);
        cartProducts = new ArrayList<>();
        ArrayList<Order> cart =
database.getCart(sharedPreferences.getString("user_phone", ""));
        if (cart != null && cart.size() > 0) {
            cartProducts.addAll(getProducts(cart.get(0).getProducts()));
        }
    }

    public ProductsAdapter(Context context, ArrayList<Product> products, int layoutID,
boolean isCart) {
        this.context = context;
        this.products = products;
        this.layoutID = layoutID;
        this.isCart = isCart;
        database = new DBHelper(context);
        sharedPreferences = context.getSharedPreferences("GiftHouse", MODE_PRIVATE);
        cartProducts = new ArrayList<>();
```

```java
        ArrayList<Order> cart =
database.getCart(sharedPreferences.getString("user_phone", ""));
        if (cart != null && cart.size() > 0) {
            cartProducts.addAll(getProducts(cart.get(0).getProducts()));
        }
    }

    public ProductsAdapter(Context context, ArrayList<Product> products, boolean
isOrderDetails) {
        this.context = context;
        this.products = products;
        this.isOrderDetails = isOrderDetails;
        database = new DBHelper(context);
        sharedPreferences = context.getSharedPreferences("GiftHouse", MODE_PRIVATE);
        cartProducts = new ArrayList<>();
        ArrayList<Order> cart =
database.getCart(sharedPreferences.getString("user_phone", ""));
        if (cart != null && cart.size() > 0) {
            cartProducts.addAll(getProducts(cart.get(0).getProducts()));
        }
    }

    @NonNull
    @Override
    public ViewHolder onCreateViewHolder(@NonNull ViewGroup parent, int viewType) {
        if (layoutID == 0) {
            return new
ViewHolder(LayoutInflater.from(context).inflate(R.layout.row_layout_product_admin,
parent, false));
        } else {
            return new ViewHolder(LayoutInflater.from(context).inflate(layoutID,
parent, false));
        }
    }

    @Override
    public void onBindViewHolder(@NonNull ViewHolder holder, int position) {
        Product product = products.get(position);
        holder.tvName.setText(product.getName());
        holder.tvCategory.setText(product.getCat_name());
        holder.tvDescription.setText(product.getDescription());
        holder.tvPrice.setText(product.getPrice());

        holder.ivClose.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                products.remove(product);
                String userPhone = sharedPreferences.getString("user_phone", "");
                ArrayList<Order> cart = database.getCart(userPhone);
                if (!userPhone.isEmpty()) {
                    if (cart.size() > 0) {
                        Order order = cart.get(0);
                        ArrayList<Product> products = getProducts(order.getProducts());
                        if (products.size() > 0) {
```

```java
                for (Product p : products) {
                    if (p.getId() == product.getId()) {
                        products.remove(p);
                        break;
                    }
                }
            }
            if (products.size() < 1) {
                database.deleteCart(order);
            } else {
                Gson gson = new Gson();
                order.setProducts(gson.toJson(products));
                order.setAmount(getOrderAmount(products));
                database.updateCart(order);
            }
        }
    }
    notifyItemRemoved(position);
}
});

try {
    holder.photo.setImageBitmap(utils.getBitmap(product.getPhoto()));
} catch (Exception e) {
    e.printStackTrace();
}

if (!isOrderDetails && layoutID == 0) {
    holder.itemView.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            Intent intent = new Intent(context, AddProduct.class);
            intent.putExtra("product", product);
            context.startActivity(intent);
        }
    });
}

for (Product p : cartProducts) {
    if (p.getId() == product.getId()) {
        holder.btnAdd.setVisibility(View.INVISIBLE);
        holder.btnRemove.setVisibility(View.VISIBLE);
        break;
    }
}

if (isCart) {
    holder.ivClose.setVisibility(View.VISIBLE);
    holder.btnAdd.setVisibility(View.GONE);
    holder.btnRemove.setVisibility(View.GONE);
} else {
    holder.ivClose.setVisibility(View.GONE);
}
```

```java
        holder.btnAdd.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                addProduct(holder.btnAdd, holder.btnRemove, product);
            }
        });

        holder.btnRemove.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                removeProduct(holder.btnAdd, holder.btnRemove, product);
            }
        });
    }

    private void addProduct(ConstraintLayout btnAdd, ConstraintLayout btnRemove,
Product product) {
        String userPhone = sharedPreferences.getString("user_phone", "");
        ArrayList<Order> cart = database.getCart(userPhone);
        if (!userPhone.isEmpty()) {
            if (cart.size() > 0) {
                Order order = cart.get(0);
                ArrayList<Product> products = getProducts(order.getProducts());
                if (!products.contains(product)) {
                    products.add(product);
                }
                Gson gson = new Gson();
                order.setProducts(gson.toJson(products));
                order.setAmount(getOrderAmount(products));
                database.updateCart(order);
            } else {
                Order order = new Order();
                order.setOrder_number("GSON" + System.currentTimeMillis());
                order.setUser_phone(userPhone);
                Gson gson = new Gson();
                order.setProducts(gson.toJson((new
ArrayList<Product>()).add(product)));
                order.setAmount(getOrderAmount(products));
                database.insertCart(order);
            }
            btnAdd.setVisibility(View.INVISIBLE);
            btnRemove.setVisibility(View.VISIBLE);
        }
    }

    private void removeProduct(ConstraintLayout btnAdd, ConstraintLayout btnRemove,
Product product) {
        String userPhone = sharedPreferences.getString("user_phone", "");
        ArrayList<Order> cart = database.getCart(userPhone);
        if (!userPhone.isEmpty()) {
            if (cart.size() > 0) {
                Order order = cart.get(0);
                ArrayList<Product> products = getProducts(order.getProducts());
                if (products.size() > 0) {
```

```java
                for (Product p : products) {
                    if (p.getId() == product.getId()) {
                        products.remove(p);
                        break;
                    }
                }
            }
            if (products.size() < 1) {
                database.deleteCart(order);
            } else {
                Gson gson = new Gson();
                order.setProducts(gson.toJson(products));
                order.setAmount(getOrderAmount(products));
                database.updateCart(order);
            }
            btnRemove.setVisibility(View.INVISIBLE);
            btnAdd.setVisibility(View.VISIBLE);
        }
    }
}

private String getOrderAmount(ArrayList<Product> products) {
    int sum = 0;
    for (Product product : products) {
        try {
            sum += Integer.parseInt(product.getPrice());
        } catch (NumberFormatException ignore) {
        }
    }
    return String.valueOf(sum);
}

private ArrayList<Product> getProducts(String products_) {
    ArrayList<Product> products = new ArrayList<>();
    try {
        Gson gson = new Gson();
        Type listType = new TypeToken<ArrayList<Product>>() {
        }.getType();
        products.addAll(gson.fromJson(products_, listType));
    } catch (Exception e) {
        e.printStackTrace();
    }
    return products;
}

@Override
public int getItemCount() {
    return products.size();
}

public class ViewHolder extends RecyclerView.ViewHolder {
    TextView tvName, tvDescription, tvCategory, tvPrice;
    ConstraintLayout btnAdd, btnRemove;
    ImageView photo;
```

```java
        TextView ivClose;

        public ViewHolder(@NonNull View itemView) {
            super(itemView);
            tvName = itemView.findViewById(R.id.tv_name);
            tvDescription = itemView.findViewById(R.id.tv_description);
            tvCategory = itemView.findViewById(R.id.tv_category);
            tvPrice = itemView.findViewById(R.id.tv_price);
            photo = itemView.findViewById(R.id.prodImage);
            btnAdd = itemView.findViewById(R.id.btn_add);
            btnRemove = itemView.findViewById(R.id.btn_remove);
            ivClose = itemView.findViewById(R.id.txt_close);
        }
    }
}
```

activity_add_product.xml


```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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:layout_margin="16dp"
    android:orientation="vertical"
    android:padding="16dp"
    tools:context=".AddProduct">

    <ScrollView
        android:layout_width="match_parent"
        android:layout_height="0dp"
```

```xml
        android:layout_weight="1">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="vertical">

        <androidx.cardview.widget.CardView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginLeft="2dp"
            android:layout_marginTop="10dp"
            android:layout_marginRight="2dp"
            android:layout_marginBottom="16dp"
            android:background="@color/white"
            android:rotation="0"
            android:rotationX="0"
            android:rotationY="0"
            app:cardBackgroundColor="@color/white"
            app:cardCornerRadius="20dp">

            <LinearLayout
                android:layout_width="match_parent"
                android:layout_height="45dp"
                android:orientation="horizontal">

                <EditText
                    android:id="@+id/name"
                    android:layout_width="match_parent"
                    android:layout_height="match_parent"
                    android:layout_gravity="center"
                    android:layout_marginLeft="10dp"
                    android:layout_marginRight="10dp"
                    android:background="@android:color/transparent"
                    android:fontFamily="@font/opensans_semibold"
                    android:gravity="center|left"
                    android:hint="Product Name"
                    android:maxLines="1"
                    android:paddingLeft="5dp"
                    android:singleLine="true"
                    android:textColor="@color/black"
                    android:textColorHint="@color/hintColor"
                    android:textSize="15sp" />

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

        <androidx.cardview.widget.CardView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginLeft="2dp"
            android:layout_marginTop="10dp"
            android:layout_marginRight="2dp"
            android:layout_marginBottom="16dp"
```

```xml
            android:background="@color/white"
            app:cardBackgroundColor="@color/white"
            app:cardCornerRadius="20dp">

            <LinearLayout
                android:layout_width="match_parent"
                android:layout_height="45dp"
                android:orientation="horizontal">

                <Spinner
                    android:id="@+id/cat_name"
                    android:layout_width="match_parent"
                    android:layout_height="match_parent"
                    android:layout_gravity="center"
                    android:layout_marginLeft="10dp"
                    android:layout_marginRight="10dp"
                    android:background="@android:color/transparent"
                    android:fontFamily="@font/opensans_semibold"
                    android:gravity="center|left"
                    android:paddingLeft="5dp"
                    android:singleLine="true"
                    android:textColor="@color/black"
                    android:textColorHint="@color/hintColor"
                    android:textSize="15sp" />

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

        <androidx.cardview.widget.CardView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginLeft="2dp"
            android:layout_marginTop="10dp"
            android:layout_marginRight="2dp"
            android:layout_marginBottom="16dp"
            android:background="@color/white"
            app:cardBackgroundColor="@color/white"
            app:cardCornerRadius="20dp">

            <LinearLayout
                android:layout_width="match_parent"
                android:layout_height="45dp"
                android:orientation="horizontal">

                <EditText
                    android:id="@+id/price"
                    android:layout_width="match_parent"
                    android:layout_height="match_parent"
                    android:layout_gravity="center"
                    android:layout_marginLeft="10dp"
                    android:layout_marginRight="10dp"
                    android:background="@android:color/transparent"
                    android:fontFamily="@font/opensans_semibold"
                    android:gravity="center|left"
```

```xml
                android:hint="Product Price"
                android:inputType="numberDecimal"
                android:maxLines="1"
                android:paddingLeft="5dp"
                android:singleLine="true"
                android:textColor="@color/black"
                android:textColorHint="@color/hintColor"
                android:textSize="15sp" />

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

    <androidx.cardview.widget.CardView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginLeft="2dp"
        android:layout_marginTop="10dp"
        android:layout_marginRight="2dp"
        android:layout_marginBottom="16dp"
        android:background="@color/white"
        app:cardBackgroundColor="@color/white"
        app:cardCornerRadius="20dp">

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="45dp"
            android:orientation="horizontal">


            <EditText
                android:id="@+id/description"
                android:layout_width="match_parent"
                android:layout_height="match_parent"
                android:layout_gravity="center"
                android:layout_marginLeft="10dp"
                android:layout_marginRight="10dp"
                android:background="@android:color/transparent"
                android:fontFamily="@font/opensans_semibold"
                android:gravity="center|left"
                android:hint="Description"
                android:maxLines="1"
                android:paddingLeft="5dp"
                android:singleLine="true"
                android:textColor="@color/black"
                android:textColorHint="@color/hintColor"
                android:textSize="15sp" />

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

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="10dp"
```

```xml
            android:layout_marginTop="12dp"
            android:layout_marginEnd="2dp"
            android:text="Image"
            android:textColor="@color/black"
            android:textSize="18sp"
            tools:ignore="HardcodedText" />

        <androidx.cardview.widget.CardView
            android:layout_width="180dp"
            android:layout_height="180dp"
            android:layout_marginLeft="2dp"
            android:layout_marginTop="10dp"
            android:layout_marginRight="2dp"
            android:layout_marginBottom="16dp"
            android:background="@color/white"
            app:cardBackgroundColor="@color/white"
            app:cardCornerRadius="20dp">

            <androidx.appcompat.widget.AppCompatImageView
                android:id="@+id/photo"
                android:layout_width="match_parent"
                android:layout_height="match_parent"
                android:background="@drawable/rounded_bg"
                android:scaleType="centerCrop"
                android:src="@drawable/ic_photo" />

        </androidx.cardview.widget.CardView>

    </LinearLayout>

    </ScrollView>

    <Button
        android:id="@+id/save"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Save"
        android:textColor="@color/white" />
</LinearLayout>
```

AddProduct.java
```java
package com.gift.house;

import android.annotation.SuppressLint;
import android.app.Activity;
import android.content.Intent;
import android.net.Uri;
import android.os.Bundle;
import android.view.Menu;
import android.view.MenuItem;
import android.view.View;
import android.widget.ArrayAdapter;
import android.widget.EditText;
```

```java
import android.widget.Spinner;
import android.widget.Toast;

import androidx.annotation.Nullable;
import androidx.appcompat.app.AppCompatActivity;
import androidx.appcompat.widget.AppCompatImageView;

import com.gift.house.models.Product;
import com.gift.house.utils.utils;
import com.github.dhaval2404.imagepicker.ImagePicker;

public class AddProduct extends AppCompatActivity implements View.OnClickListener {

    Product product;
    private EditText name, price, description;
    private Spinner cat_name;
    private AppCompatImageView photo;
    private DBHelper database;
    private ArrayAdapter<String> categoryAdapter;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_add_product);

        database = new DBHelper(this);
        name = findViewById(R.id.name);
        price = findViewById(R.id.price);
        description = findViewById(R.id.description);
        cat_name = findViewById(R.id.cat_name);
        photo = findViewById(R.id.photo);

        findViewById(R.id.save).setOnClickListener(this);
        photo.setOnClickListener(this);
        selectCategories();

        Bundle bundle = getIntent().getExtras();
        if (bundle != null) {
            product = (Product) bundle.getSerializable("product");
            setData(product);
            getSupportActionBar().setTitle("Edit Product");
        }

    }

    private void selectCategories() {
        categoryAdapter = new ArrayAdapter<>(this,
android.R.layout.simple_spinner_item, database.getAllCategories());

categoryAdapter.setDropDownViewResource(android.R.layout.simple_spinner_dropdown_item)
;
        cat_name.setAdapter(categoryAdapter);
    }
```

```java
private void setData(Product product) {
    name.setText(product.getName());
    price.setText(product.getPrice());
    description.setText(product.getDescription());
    cat_name.setSelection(categoryAdapter.getPosition(product.getCat_name()));
    if (product.getPhoto() != null) {
        photo.setImageBitmap(utils.getBitmap(product.getPhoto()));
    }
}


@SuppressLint("NonConstantResourceId")
@Override
public void onClick(View v) {
    switch (v.getId()) {
        case R.id.save:
            if (product == null) {
                insert();
            } else {
                update(product);
            }
            break;
        case R.id.photo:
            pickPhoto();
            break;
    }

}

private void insert() {
    Product p = new Product();
    p.setName(name.getText().toString().trim());
    p.setPrice(price.getText().toString().trim());
    p.setDescription(description.getText().toString().trim());
    p.setCat_name(cat_name.getSelectedItem().toString());
    try {
        p.setPhoto(utils.getEncodedImageString(utils.getBitmap(photo)));
    } catch (Exception e) {
        e.printStackTrace();
    }

    if (!valid(p)) return;

    database.insertProduct(p);
    Toast.makeText(this, "Product Added Successfully", Toast.LENGTH_LONG).show();
    onBackPressed();

}

private void update(Product product) {
    product.setName(name.getText().toString().trim());
    product.setPrice(price.getText().toString().trim());
    product.setDescription(description.getText().toString().trim());
    product.setCat_name(cat_name.getSelectedItem().toString());
    try {
```

```java
            product.setPhoto(utils.getEncodedImageString(utils.getBitmap(photo)));
        } catch (Exception e) {
            e.printStackTrace();
        }

        if (!valid(product)) return;

        database.updateProduct(product);
        Toast.makeText(this, "Updated Successfully", Toast.LENGTH_LONG).show();
        onBackPressed();
    }

    private boolean valid(Product product) {

        if (product.getName().isEmpty()) {
            Toast.makeText(this, "Enter Product name", Toast.LENGTH_LONG).show();
            name.setError("Enter Product name");
            return false;
        }

        if (product.getPrice().isEmpty()) {
            Toast.makeText(this, "Enter Price", Toast.LENGTH_LONG).show();
            price.setError("Enter price");
            return false;
        }


        return true;
    }

    @Override
    public boolean onCreateOptionsMenu(Menu menu) {
        getMenuInflater().inflate(R.menu.menu_add_product, menu);
        if (product == null)
            menu.findItem(R.id.action_delete).setVisible(false);
        return true;
    }

    @Override
    public boolean onOptionsItemSelected(MenuItem item) {

        switch (item.getItemId()) {

            case R.id.action_delete:
                //TODO add menu action here
                delete();
                return true;

            default:

                return super.onOptionsItemSelected(item);
        }


    }
```

```java
    private void delete() {
        database.deleteProduct(product.getId());
        finish();
    }

    public void pickPhoto() {
        ImagePicker.Companion.with(this)
                //.crop()                    //Crop image(Optional), Check Customization
for more option
                .compress(1024)            //Final image size will be less than 1
MB(Optional)
                .maxResultSize(512, 512)    //Final image resolution will be less than
1080 x 1080(Optional)
                .start();
    }


    @Override
    protected void onActivityResult(int requestCode, int resultCode, @Nullable Intent
data) {
        super.onActivityResult(requestCode, resultCode, data);
        if (resultCode == Activity.RESULT_OK) {
            //Image Uri will not be null for RESULT_OK
            Uri fileUri = null;
            if (data != null) {
                fileUri = data.getData();
                photo.setImageURI(fileUri);
            }
        } else if (resultCode == ImagePicker.RESULT_ERROR) {
            Toast.makeText(this, ImagePicker.Companion.getError(data),
Toast.LENGTH_SHORT).show();
        } else {
            Toast.makeText(this, "Cancelled", Toast.LENGTH_SHORT).show();
        }
    }

}
```

activity_users.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".UsersActivity">

    <androidx.recyclerview.widget.RecyclerView
        android:id="@+id/rv_users"
        android:layout_width="match_parent"
        android:layout_height="wrap_content" />
```

```
</LinearLayout>
```

UsersActivity.java

```java
package com.gift.house;

import android.content.Context;
import android.os.Bundle;

import androidx.appcompat.app.AppCompatActivity;
import androidx.recyclerview.widget.DividerItemDecoration;
import androidx.recyclerview.widget.LinearLayoutManager;
import androidx.recyclerview.widget.RecyclerView;

import com.gift.house.adapters.UsersAdapter;
import com.gift.house.models.User;

import java.util.ArrayList;

public class UsersActivity extends AppCompatActivity {

    Context context;
    RecyclerView rvUsers;
    UsersAdapter usersAdapter;
    DBHelper database;
    ArrayList<User> users;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_users);
        context = this;
        database = new DBHelper(context);
        users = new ArrayList<>();
        users.addAll(database.getAllUsers());
        rvUsers = findViewById(R.id.rv_users);
        usersAdapter = new UsersAdapter(context, users);
        rvUsers.setLayoutManager(new LinearLayoutManager(context));
        rvUsers.addItemDecoration(new DividerItemDecoration(context,
DividerItemDecoration.VERTICAL));
        rvUsers.setAdapter(usersAdapter);
    }
}
```

row_layout_users.xml


```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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="wrap_content"
```

```xml
    android:orientation="vertical"
    android:padding="10dp">

    <TextView
        android:id="@+id/tv_name"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_margin="6dp"
        android:ellipsize="end"
        android:maxLines="1"
        android:text="ABC XYZ PQR"
        android:textSize="16sp"
        tools:ignore="HardcodedText" />

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_margin="6dp"
        android:orientation="horizontal">

        <TextView
            android:id="@+id/tv_mobile"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_weight="1"
            android:drawablePadding="8dp"
            android:drawableTint="@color/colorPrimaryDark"
            android:ellipsize="end"
            android:gravity="center_vertical"
            android:maxLines="1"
            android:text="21375127357"
            app:drawableStartCompat="@drawable/ic_phone"
            tools:ignore="HardcodedText" />

        <TextView
            android:id="@+id/tv_email"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_weight="1"
            android:drawablePadding="8dp"
            android:gravity="center_vertical"
            android:maxLines="1"
            android:text="user@email.com"
            app:drawableStartCompat="@drawable/ic_email"
            tools:ignore="HardcodedText" />
    </LinearLayout>

    <TextView
        android:id="@+id/tv_address"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_margin="6dp"
        android:ellipsize="end"
        android:maxLines="1"
```

```xml
            android:textSize="16sp"
            android:visibility="gone"
            tools:ignore="HardcodedText" />

</LinearLayout>
```

UsersAdapter.java

```java
package com.gift.house.adapters;

import android.content.Context;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.TextView;

import androidx.annotation.NonNull;
import androidx.recyclerview.widget.RecyclerView;

import com.gift.house.R;
import com.gift.house.models.User;

import java.util.ArrayList;

public class UsersAdapter extends RecyclerView.Adapter<UsersAdapter.ViewHolder> {

    Context context;
    ArrayList<User> users;

    public UsersAdapter(Context context, ArrayList<User> users) {
        this.context = context;
        this.users = users;
    }

    @NonNull
    @Override
    public ViewHolder onCreateViewHolder(@NonNull ViewGroup parent, int viewType) {
        return new
ViewHolder(LayoutInflater.from(context).inflate(R.layout.row_layout_users, parent,
false));
    }

    @Override
    public void onBindViewHolder(@NonNull ViewHolder holder, int position) {
        User user = users.get(position);
        holder.tvName.setText(user.getName());
        holder.tvMobile.setText(user.getPhone());
        holder.tvEmail.setText(user.getEmail());
        holder.tvAddress.setText(user.getAddress());
    }

    @Override
    public int getItemCount() {
        return users.size();
    }
```

```java
    public class ViewHolder extends RecyclerView.ViewHolder {
        TextView tvName, tvMobile, tvEmail, tvAddress;

        public ViewHolder(@NonNull View itemView) {
            super(itemView);
            tvName = itemView.findViewById(R.id.tv_name);
            tvMobile = itemView.findViewById(R.id.tv_mobile);
            tvEmail = itemView.findViewById(R.id.tv_email);
            tvAddress = itemView.findViewById(R.id.tv_address);
        }
    }
}
```

activity_main.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<androidx.drawerlayout.widget.DrawerLayout
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:id="@+id/drawer_layout"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:fitsSystemWindows="true"
    tools:context=".MainActivity"
    tools:openDrawer="start">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:orientation="vertical">

        <androidx.constraintlayout.widget.ConstraintLayout
            android:id="@+id/top_bar"
            android:layout_width="match_parent"
            android:layout_height="60dp"
            android:background="@color/colorPrimaryDark">

            <ImageView
                android:id="@+id/menu"
                android:layout_width="30dp"
                android:layout_height="30dp"
                android:layout_marginStart="10dp"
                android:layout_marginTop="15dp"
                android:scaleType="centerCrop"
                android:src="@drawable/ic_menu"
                android:visibility="visible"
                app:layout_constraintStart_toStartOf="parent"
                app:layout_constraintTop_toTopOf="parent"
                app:tint="@color/white" />

            <TextView
                android:id="@+id/tv_title"
                android:layout_width="wrap_content"
```

```xml
            android:layout_height="wrap_content"
            android:layout_marginStart="30dp"
            android:text="Gifts"
            android:textColor="@color/white"
            android:textSize="22sp"
            app:layout_constraintBottom_toBottomOf="parent"
            app:layout_constraintStart_toEndOf="@id/menu"
            app:layout_constraintTop_toTopOf="parent"
            tools:ignore="HardcodedText" />

    </androidx.constraintlayout.widget.ConstraintLayout>

    <androidx.recyclerview.widget.RecyclerView
        android:id="@+id/rv_products_"
        android:layout_width="match_parent"
        android:layout_height="0dp"
        android:layout_weight="1"
        android:visibility="gone" />

    <androidx.viewpager.widget.ViewPager
        android:id="@+id/view_pager"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:layout_weight="1"
        android:padding="6dp">

        <androidx.recyclerview.widget.RecyclerView
            android:id="@+id/rv_products_home"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_margin="12dp"
            android:scrollbars="none"
            app:layout_behavior="@string/appbar_scrolling_view_behavior" />

        <androidx.recyclerview.widget.RecyclerView
            android:id="@+id/rv_my_orders"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_margin="12dp"
            android:scrollbars="none"
            app:layout_behavior="@string/appbar_scrolling_view_behavior" />

        <include layout="@layout/layout_cart" />

    </androidx.viewpager.widget.ViewPager>

    <com.google.android.material.bottomnavigation.BottomNavigationView
        android:id="@+id/bottom_nav"
        android:layout_width="match_parent"
        android:layout_height="52dp"
        android:background="?android:attr/windowBackground"
        android:theme="@style/NavigationTheme"
        app:itemRippleColor="@color/orange"
        app:menu="@menu/bottom_nav_menu" />
```

```xml
    </LinearLayout>

    <com.google.android.material.navigation.NavigationView
        android:id="@+id/side_nav"
        android:layout_width="wrap_content"
        android:layout_height="match_parent"
        android:layout_gravity="start"
        android:background="@color/black_fade"
        android:fitsSystemWindows="true"
        app:headerLayout="@layout/nav_header_main"
        app:itemIconTint="#999999"
        app:itemTextColor="#fff"
        app:menu="@menu/activity_main_drawer" />

</androidx.drawerlayout.widget.DrawerLayout>
```

MainActivity.java

```java
package com.gift.house;

import android.annotation.SuppressLint;
import android.content.Context;
import android.content.Intent;
import android.content.SharedPreferences;
import android.os.Bundle;
import android.view.MenuItem;
import android.view.View;
import android.widget.LinearLayout;
import android.widget.RelativeLayout;
import android.widget.TextView;

import androidx.annotation.NonNull;
import androidx.annotation.Nullable;
import androidx.appcompat.app.AppCompatActivity;
import androidx.drawerlayout.widget.DrawerLayout;
import androidx.recyclerview.widget.DividerItemDecoration;
import androidx.recyclerview.widget.LinearLayoutManager;
import androidx.recyclerview.widget.RecyclerView;
import androidx.viewpager.widget.ViewPager;

import com.gift.house.adapters.HomePagerAdapter;
import com.gift.house.adapters.OrdersAdapter;
import com.gift.house.adapters.ProductsAdapter;
import com.gift.house.models.Order;
import com.gift.house.models.Product;
import com.google.android.material.bottomnavigation.BottomNavigationView;
import com.google.android.material.navigation.NavigationView;
import com.google.gson.Gson;
import com.google.gson.reflect.TypeToken;

import java.lang.reflect.Type;
import java.util.ArrayList;

public class MainActivity extends AppCompatActivity {
```

```java
BottomNavigationView bottomNavigationView;
NavigationView navigationView;
DrawerLayout drawer;
RecyclerView rvProducts;
DBHelper database;
Context context;
private ArrayList<Product> products, cartProducts;
private ProductsAdapter productsAdapter, cartAdapter;
private OrdersAdapter myOrdersAdapter;
private SharedPreferences sharedPreferences;
private ViewPager viewPager;
private HomePagerAdapter homePagerAdapter;
private TextView tvTitle;
private RecyclerView recyclerCart;
private RelativeLayout noCartData;
private LinearLayout viewCartItems;
private TextView txt_totalQuan, txt_totalamount;
private TextView btn_Checkout;
private Order order;
private ArrayList<Order> myOrders;
private RecyclerView rv_my_orders;

@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);

    context = this;
    sharedPreferences = getSharedPreferences("GiftHouse", MODE_PRIVATE);
    bottomNavigationView = findViewById(R.id.bottom_nav);
    navigationView = findViewById(R.id.side_nav);
    drawer = findViewById(R.id.drawer_layout);
    viewPager = findViewById(R.id.view_pager);
    tvTitle = findViewById(R.id.tv_title);
    txt_totalQuan = findViewById(R.id.txt_totalQuan);
    txt_totalamount = findViewById(R.id.txt_totalamount);
    btn_Checkout = findViewById(R.id.btn_Checkout);

    findViewById(R.id.menu).setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            drawer.openDrawer(navigationView, true);
        }
    });

    findViewById(R.id.btn_ShopNOw).setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            bottomNavigationView.setSelectedItemId(R.id.home);
        }
    });

    database = new DBHelper(context);
```

```java
        rvProducts = findViewById(R.id.rv_products_home);
        rv_my_orders = findViewById(R.id.rv_my_orders);

        View header = navigationView.getHeaderView(0);
        ((TextView)
header.findViewById(R.id.tv_header_name)).setText(sharedPreferences.getString("user_na
me", ""));

        navigationView.setNavigationItemSelectedListener(new
NavigationView.OnNavigationItemSelectedListener() {
            @Override
            public boolean onNavigationItemSelected(@NonNull MenuItem item) {
                switch (item.getItemId()) {
                    /*case R.id.nav_my_profile:

                        break;*/
                    case R.id.nav_aboutus:

                        break;
                    case R.id.nav_share:
                        Intent sendIntent = new Intent();
                        sendIntent.setAction(Intent.ACTION_SEND);
                        sendIntent.putExtra(Intent.EXTRA_TEXT,
                            "Hey check out my app at:
https://play.google.com/store/apps/details?id==" + BuildConfig.APPLICATION_ID);
                        sendIntent.setType("text/plain");
                        startActivity(sendIntent);
                        break;
                    case R.id.nav_logout:
                        SharedPreferences sharedPreferences =
getSharedPreferences("GiftHouse", MODE_PRIVATE);
                        SharedPreferences.Editor editor = sharedPreferences.edit();
                        editor.putString("user_name", "");
                        editor.putString("user_phone", "");
                        editor.apply();
                        startActivity(new Intent(MainActivity.this,
LoginActivity.class));
                        finishAffinity();
                        break;
                }
                drawer.closeDrawer(navigationView);
                return true;
            }
        });

        ArrayList<Integer> layouts = new ArrayList<>();
        layouts.add(R.id.rv_products_home);
        layouts.add(R.id.rv_my_orders);
        layouts.add(R.id.cart_layout);
        homePagerAdapter = new HomePagerAdapter(context, layouts);
        viewPager.setAdapter(homePagerAdapter);
        viewPager.addOnPageChangeListener(new ViewPager.OnPageChangeListener() {
            @Override
```

```java
            public void onPageScrolled(int position, float positionOffset, int
positionOffsetPixels) {

            }

            @SuppressLint("SetTextI18n")
            @Override
            public void onPageSelected(int position) {
                switch (position) {
                    case 0:
                        bottomNavigationView.setSelectedItemId(R.id.home);
                        break;
                    case 1:
                        bottomNavigationView.setSelectedItemId(R.id.my_orders);
                        break;
                    case 2:
                        bottomNavigationView.setSelectedItemId(R.id.cart);
                        break;
                }
            }

            @Override
            public void onPageScrollStateChanged(int state) {

            }
        });

        bottomNavigationView.setOnNavigationItemSelectedListener(new
BottomNavigationView.OnNavigationItemSelectedListener() {
            @SuppressLint({"SetTextI18n", "NonConstantResourceId"})
            @Override
            public boolean onNavigationItemSelected(@NonNull MenuItem item) {
                switch (item.getItemId()) {
                    case R.id.home:
                        viewPager.setCurrentItem(0, true);
                        tvTitle.setText("Gifts");
                        setProductsData();
                        break;
                    case R.id.my_orders:
                        viewPager.setCurrentItem(1, true);
                        tvTitle.setText("My Orders");
                        setMyOrdersData();
                        break;
                    case R.id.cart:
                        viewPager.setCurrentItem(2, true);
                        tvTitle.setText("Cart");
                        setCartData();
                        break;
                }
                homePagerAdapter.notifyDataSetChanged();
                return true;
            }
        });
```

```java
        recyclerCart = findViewById(R.id.recyclerCart);
        noCartData = findViewById(R.id.noData);
        viewCartItems = findViewById(R.id.viewCartItems);

        btn_Checkout.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                startActivityForResult((new Intent(context,
CheckoutActivity.class)).putExtra("cart", order), 222);
            }
        });

    }

    @Override
    protected void onResume() {
        super.onResume();
        setProductsData();
        setCartData();
        setMyOrdersData();
    }

    private void setProductsData() {
        products = new ArrayList<>();
        products.addAll(database.getAllProducts());
        productsAdapter = new ProductsAdapter(context, products,
R.layout.row_layout_product, false);
        rvProducts.setLayoutManager(new LinearLayoutManager(context));
//        rvProducts.addItemDecoration(new
DividerItemDecoration(context,DividerItemDecoration.VERTICAL));
        rvProducts.setAdapter(productsAdapter);
    }

    private void setMyOrdersData() {
        myOrders = new ArrayList<>();
        try {
            ArrayList<Order> orders =
database.getOrders(sharedPreferences.getString("user_phone", ""));
            for (Order order : orders) {
                myOrders.add(0, order);
            }
        } catch (Exception e) {
            e.printStackTrace();
        }
        myOrdersAdapter = new OrdersAdapter(context, myOrders);
        rv_my_orders.setLayoutManager(new LinearLayoutManager(context));
        rv_my_orders.addItemDecoration(new DividerItemDecoration(context,
DividerItemDecoration.VERTICAL));
        rv_my_orders.setAdapter(myOrdersAdapter);
    }

    @SuppressLint("SetTextI18n")
    private void setCartData() {
        cartProducts = new ArrayList<>();
```

```java
        try {
            order = database.getCart(sharedPreferences.getString("user_phone",
"")).get(0);
            cartProducts.addAll(getProducts(order.getProducts()));
            if (cartProducts.size() > 0) {
                noCartData.setVisibility(View.GONE);
                viewCartItems.setVisibility(View.VISIBLE);
            } else {
                viewCartItems.setVisibility(View.GONE);
                noCartData.setVisibility(View.VISIBLE);
            }
            cartAdapter = new ProductsAdapter(context, cartProducts,
R.layout.row_layout_product, true);
            recyclerCart.setLayoutManager(new LinearLayoutManager(context));
//        rvProducts.addItemDecoration(new
DividerItemDecoration(context,DividerItemDecoration.VERTICAL));
            recyclerCart.setAdapter(cartAdapter);
            txt_totalQuan.setText("Items: " + cartProducts.size());
            txt_totalamount.setText("Amount: ₹" + order.getAmount());
        } catch (Exception e) {
            e.printStackTrace();
            viewCartItems.setVisibility(View.GONE);
            noCartData.setVisibility(View.VISIBLE);
        }
    }

    private ArrayList<Product> getProducts(String products_) {
        ArrayList<Product> products = new ArrayList<>();
        try {
            Gson gson = new Gson();
            Type listType = new TypeToken<ArrayList<Product>>() {
            }.getType();
            products.addAll(gson.fromJson(products_, listType));
        } catch (Exception e) {
            e.printStackTrace();
        }
        return products;
    }

    @Override
    protected void onActivityResult(int requestCode, int resultCode, @Nullable Intent
data) {
        super.onActivityResult(requestCode, resultCode, data);
        if (requestCode == 222 && resultCode == 222) {
            bottomNavigationView.setSelectedItemId(R.id.my_orders);
        }
    }
}
```

row_layout_product.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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="wrap_content"
    android:background="@color/white"
    android:orientation="vertical">

    <androidx.cardview.widget.CardView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_margin="7dp"
        app:cardBackgroundColor="@color/white"
        app:cardCornerRadius="4dp">

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:background="@drawable/rounded_shape"
            android:orientation="vertical">

            <TextView
                android:id="@+id/txt_close"
                android:layout_width="20dp"
                android:layout_height="20dp"
                android:layout_gravity="end"
                android:layout_margin="8dp"
                android:visibility="gone"
                app:drawableStartCompat="@drawable/ic_close"
                app:drawableTint="@color/colorPrimaryDark"
                app:layout_constraintStart_toStartOf="parent"
                app:layout_constraintTop_toTopOf="parent" />

            <LinearLayout
                android:layout_width="match_parent"
                android:layout_height="match_parent"
                android:orientation="horizontal">

                <ImageView
                    android:id="@+id/prodImage"
                    android:layout_width="100dp"
                    android:layout_height="match_parent"
                    android:layout_gravity="center"
                    android:layout_marginStart="10dp"
                    android:layout_marginTop="10dp"
                    android:layout_marginEnd="2dp"
                    android:layout_marginBottom="10dp"
                    android:scaleType="centerCrop"
```

```xml
        android:src="@mipmap/ic_launcher"
        tools:ignore="ContentDescription" />


    <LinearLayout
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:layout_marginStart="8dp"
        android:layout_marginTop="10dp"
        android:layout_marginEnd="10dp"
        android:layout_marginBottom="10dp"
        android:layout_weight="1"
        android:gravity="center_vertical"
        android:orientation="vertical">

        <TextView
            android:id="@+id/tv_name"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:fontFamily="@font/opensans_semibold"
            android:text="Product Name"
            android:textColor="@color/black"
            android:textSize="15sp"
            tools:ignore="HardcodedText" />

        <TextView
            android:id="@+id/tv_category"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:fontFamily="@font/opensans_semibold"
            android:text="Category Name"
            android:textColor="@color/darkGrey"
            android:textSize="12sp"
            tools:ignore="HardcodedText" />

        <TextView
            android:id="@+id/tv_description"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginTop="2dp"
            android:fontFamily="@font/opensans_regular"
            android:text="Product Description"
            android:textColor="@color/hintColor"
            android:textSize="13sp"
            tools:ignore="HardcodedText" />

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginTop="7dp"
            android:layout_marginBottom="3dp"
            android:gravity="center"
            android:orientation="horizontal">
```

```xml
<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:fontFamily="@font/opensans_semibold"
    android:text=" ₹"
    android:textColor="@color/darkGrey"
    android:textSize="15sp"
    tools:ignore="HardcodedText" />

<TextView
    android:id="@+id/tv_price"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_weight="1"
    android:ellipsize="end"
    android:fontFamily="@font/opensans_semibold"
    android:maxLines="1"
    android:textColor="@color/darkGrey"
    android:textSize="15sp" />

<androidx.constraintlayout.widget.ConstraintLayout
    android:layout_width="80dp"
    android:layout_height="wrap_content">

    <androidx.constraintlayout.widget.ConstraintLayout
        android:id="@+id/btn_add"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:background="@drawable/rounded_shape"
        android:backgroundTint="@color/colorPrimaryDark"
        android:gravity="center"
        android:orientation="horizontal">

        <TextView
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:fontFamily="@font/opensans_semibold"
            android:gravity="center"
            android:paddingStart="15dp"
            android:paddingTop="8dp"
            android:paddingEnd="15dp"
            android:paddingBottom="8dp"
            android:text="ADD"
            android:textColor="@color/white"
            android:textSize="12sp"
            tools:ignore="HardcodedText" />

    </androidx.constraintlayout.widget.ConstraintLayout>

    <androidx.constraintlayout.widget.ConstraintLayout
        android:id="@+id/btn_remove"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:background="@drawable/rounded_shape"
```

```xml
                            android:gravity="center"
                            android:orientation="horizontal"
                            android:visibility="gone">

                            <TextView
                                android:layout_width="match_parent"
                                android:layout_height="match_parent"
                                android:fontFamily="@font/opensans_semibold"
                                android:gravity="center"
                                android:paddingStart="15dp"
                                android:paddingTop="8dp"
                                android:paddingEnd="15dp"
                                android:paddingBottom="8dp"
                                android:text="REMOVE"
                                android:textColor="@color/colorPrimaryDark"
                                android:textSize="12sp"
                                tools:ignore="HardcodedText" />

                        </androidx.constraintlayout.widget.ConstraintLayout>

                    </androidx.constraintlayout.widget.ConstraintLayout>

                </LinearLayout>

            </LinearLayout>

        </LinearLayout>
    </LinearLayout>

    </androidx.cardview.widget.CardView>

</LinearLayout>
```
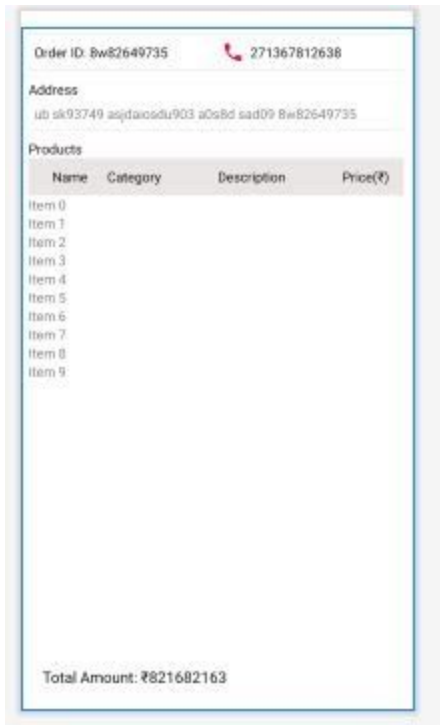
activity_order_details.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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:layout_marginTop="16dp"
    android:orientation="vertical"
    android:padding="8dp"
    tools:context=".OrderDetailsActivity">

    <View
        android:layout_width="match_parent"
        android:layout_height="1dp"
        android:background="@color/very_lightGrey" />

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="horizontal">

        <TextView
            android:id="@+id/tv_order_id"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_weight="1"
            android:padding="6dp"
            android:text="Order ID: 8w82649735"
            android:textColor="@color/black" />

        <TextView
            android:id="@+id/tv_phone"
            android:layout_width="match_parent"
```

```xml
            android:layout_height="wrap_content"
            android:layout_weight="1"
            android:drawablePadding="6dp"
            android:drawableTint="@color/colorPrimaryDark"
            android:gravity="center_vertical"
            android:padding="6dp"
            android:text="271367812638"
            android:textColor="@color/black"
            app:drawableStartCompat="@drawable/ic_phone" />
    </LinearLayout>

    <View
        android:layout_width="match_parent"
        android:layout_height="1dp"
        android:background="@color/very_lightGrey" />

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="10dp"
        android:text="Address"
        android:textColor="@color/black" />

    <TextView
        android:id="@+id/tv_del_address"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:padding="6dp"
        android:text="ub sk93749 asjdaiosdu903 a0s8d sad09 8w82649735" />

    <View
        android:layout_width="match_parent"
        android:layout_height="1dp"
        android:background="@color/very_lightGrey" />

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="10dp"
        android:text="Products"
        android:textColor="@color/black" />

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:background="@color/very_lightGrey"
        android:orientation="horizontal"
        android:padding="10dp">

        <TextView
            android:id="@+id/tv_name"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_weight="1"
```

```xml
        android:gravity="center"
        android:paddingStart="4dp"
        android:paddingEnd="4dp"
        android:text="Name"
        android:textColor="@color/black"
        tools:ignore="HardcodedText" />

    <TextView
        android:id="@+id/tv_category"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_weight="1"
        android:gravity="center"
        android:paddingStart="4dp"
        android:paddingEnd="4dp"
        android:text="Category"
        android:textColor="@color/black"
        tools:ignore="HardcodedText" />

    <TextView
        android:id="@+id/tv_description"
        android:layout_width="180dp"
        android:layout_height="wrap_content"
        android:gravity="center"
        android:paddingStart="4dp"
        android:paddingEnd="4dp"
        android:text="Description"
        android:textColor="@color/black"
        tools:ignore="HardcodedText" />

    <TextView
        android:id="@+id/tv_price"
        android:layout_width="60dp"
        android:layout_height="wrap_content"
        android:gravity="center"
        android:paddingStart="4dp"
        android:paddingEnd="4dp"
        android:text="Price(₹)"
        android:textColor="@color/black"
        tools:ignore="HardcodedText" />
</LinearLayout>

<androidx.recyclerview.widget.RecyclerView
    android:id="@+id/rv_products_home"
    android:layout_width="match_parent"
    android:layout_height="0dp"
    android:layout_weight="1">

</androidx.recyclerview.widget.RecyclerView>

<TextView
    android:id="@+id/tv_total_amount"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
```

```xml
            android:padding="15dp"
            android:text="Total Amount: ₹821682163"
            android:textColor="@color/black"
            android:textSize="16sp" />

</LinearLayout>
```

OrderDetailsActivity.java

```java
package com.gift.house;

import android.annotation.SuppressLint;
import android.os.Bundle;
import android.widget.TextView;

import androidx.appcompat.app.AppCompatActivity;
import androidx.recyclerview.widget.DividerItemDecoration;
import androidx.recyclerview.widget.LinearLayoutManager;
import androidx.recyclerview.widget.RecyclerView;

import com.gift.house.adapters.ProductsAdapter;
import com.gift.house.models.Order;
import com.gift.house.models.Product;
import com.google.gson.Gson;
import com.google.gson.reflect.TypeToken;

import java.lang.reflect.Type;
import java.util.ArrayList;

public class OrderDetailsActivity extends AppCompatActivity {


    private Order order;
    private TextView tv_order_id, tv_phone, tv_del_address, tv_total_amount;
    private RecyclerView rv_products;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_order_details);
        tv_order_id = findViewById(R.id.tv_order_id);
        tv_phone = findViewById(R.id.tv_phone);
        tv_del_address = findViewById(R.id.tv_del_address);
        rv_products = findViewById(R.id.rv_products_home);
        tv_total_amount = findViewById(R.id.tv_total_amount);
//        rv_products = findViewById(R.id.rv_categories);


        Bundle bundle = getIntent().getExtras();
        if (bundle != null) {
            order = (Order) bundle.getSerializable("order");
            setData();
        }
    }
```

```java
@SuppressLint("SetTextI18n")
private void setData() {
    tv_order_id.setText("Order ID: " + order.getOrder_number());
    tv_phone.setText(order.getUser_phone());
    tv_del_address.setText(order.getDelAddress());
    tv_total_amount.setText("Total Amount: ₹" + order.getAmount());

    ArrayList<Product> products = new ArrayList<>();

    try {
        Gson gson = new Gson();
        Type listType = new TypeToken<ArrayList<Product>>() {
        }.getType();
        products.addAll(gson.fromJson(order.getProducts(), listType));
    } catch (Exception e) {
        e.printStackTrace();
    }

    ProductsAdapter productsAdapter = new ProductsAdapter(this, products, true);
    rv_products.setLayoutManager(new LinearLayoutManager(this));
    rv_products.addItemDecoration(new DividerItemDecoration(this,
DividerItemDecoration.VERTICAL));
    rv_products.setAdapter(productsAdapter);
}
}
```

activity_checkout.xml


```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"
```

```xml
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@color/white"
    tools:context=".CheckoutActivity">

    <LinearLayout
        android:id="@+id/address_layout"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_margin="20dp"
        android:background="@drawable/rounded_shape"
        android:orientation="vertical"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent">

        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_margin="1dp"
            android:background="@color/very_lightGrey"
            android:padding="10dp"
            android:text="Address"
            android:textColor="@color/black"
            android:textSize="16sp"
            tools:ignore="HardcodedText" />

        <EditText
            android:id="@+id/address"
            android:layout_width="match_parent"
            android:layout_height="100dp"
            android:background="@android:color/transparent"
            android:gravity="start"
            android:hint="Enter delivery address"
            android:inputType="textMultiLine"
            android:padding="10dp"
            android:textColor="@color/black"
            android:textSize="18sp"
            tools:ignore="HardcodedText" />
    </LinearLayout>

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_margin="20dp"
        android:background="@drawable/rounded_shape"
        android:orientation="vertical"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@id/address_layout">

        <TextView
            android:layout_width="match_parent"
            android:layout_height="60dp"
```

```xml
        android:layout_margin="1dp"
        android:drawablePadding="10dp"
        android:gravity="center_vertical"
        android:padding="10dp"
        android:text="Pay Online"
        android:textColor="@color/black"
        android:textSize="16sp"
        app:drawableStartCompat="@drawable/ic_radio_button_unchecked"
        tools:ignore="HardcodedText" />

    <TextView
        android:layout_width="match_parent"
        android:layout_height="60dp"
        android:layout_margin="1dp"
        android:background="@color/very_lightGrey"
        android:drawablePadding="10dp"
        android:gravity="center_vertical"
        android:padding="10dp"
        android:text="Cash On Delivery"
        android:textColor="@color/black"
        android:textSize="16sp"
        app:drawableStartCompat="@drawable/ic_radio_checked"
        tools:ignore="HardcodedText" />
</LinearLayout>

<TextView
    android:id="@+id/checkout"
    android:layout_width="match_parent"
    android:layout_height="50dp"
    android:background="@color/colorPrimaryDark"
    android:gravity="center"
    android:text="Checkout"
    android:textColor="@color/white"
    android:textSize="22sp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    tools:ignore="HardcodedText" />

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

CheckoutActivity.java
```java
package com.gift.house;

import android.content.DialogInterface;
import android.os.Bundle;
import android.view.View;
import android.widget.TextView;
import android.widget.Toast;

import androidx.appcompat.app.AlertDialog;
import androidx.appcompat.app.AppCompatActivity;

import com.gift.house.models.Order;
```

```java
public class CheckoutActivity extends AppCompatActivity {

    private TextView address;
    private Order order;
    private DBHelper database;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_checkout);

        address = findViewById(R.id.address);

        order = (Order) getIntent().getSerializableExtra("cart");
        database = new DBHelper(this);

        AlertDialog.Builder builder = new AlertDialog.Builder(this);
        builder.setTitle("Order placed");
        builder.setMessage("Your order has been placed successfully");
        builder.setPositiveButton("OK", new DialogInterface.OnClickListener() {
            @Override
            public void onClick(DialogInterface dialog, int which) {
                finish();
            }
        });
        builder.setNegativeButton("View order", new DialogInterface.OnClickListener() {
            @Override
            public void onClick(DialogInterface dialog, int which) {
                setResult(222);
                finish();
            }
        });
        AlertDialog alertDialog = builder.create();

        findViewById(R.id.checkout).setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                if (address.getText().toString().trim().isEmpty()) {
                    Toast.makeText(CheckoutActivity.this, "Please enter delivery
address", Toast.LENGTH_LONG).show();
                } else {
                    order.setDelAddress(address.getText().toString().trim());
                    if (database.insertOrder(order) && database.deleteAllCart()) {
                        alertDialog.show();
                    }
                }
            }
        });
    }
}
```