

VIT-AP UNIVERSITY

Course Name: *Mobile Application Development*

Course Code: *CSE4002*

Guided by: *Dr. Prabha Selvaraj*

Project



Submitted by: *Hridesh Singh*

Registration No. : *19BCE7102*

Slot: *ONLOO171-E+TE*

Date: *20/12/21*

ActivityMain.java

```
package com.example.project.Activity;

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

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.LinearLayout;

import com.example.project.Adapter.CategoryAdapter;
import com.example.project.Adapter.PopularAdapter;
import com.example.project.Domain.CategoryDomain;
import com.example.project.Domain.FoodDomain;
import com.example.project.R;
import com.google.android.material.floatingactionbutton.FloatingActionButton;

import java.util.ArrayList;

public class MainActivity extends AppCompatActivity {
    private RecyclerView.Adapter adapter, adapter2;
    private RecyclerView recyclerViewCategoryList, recyclerViewPopularList;

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

        recyclerViewCategory();
        recyclerViewPopular();
        bottomNavigation();
    }

    private void bottomNavigation() {
        FloatingActionButton floatingActionButton = findViewById(R.id.card_btn);
        LinearLayout homeBtn = findViewById(R.id.homeBtn);

        floatingActionButton.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                startActivity(new Intent(MainActivity.this, CartListActivity.class));
            }
        });
    }
}
```

```

homeBtn.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        startActivity(new Intent(MainActivity.this, MainActivity.class));
    }
});
}

private void recyclerViewPopular() {

    LinearLayoutManager layoutManager = new LinearLayoutManager(this,
LinearLayoutManager.HORIZONTAL, false);
    recyclerViewPopularList = findViewById(R.id.recyclerView2);
    recyclerViewPopularList.setLayoutManager(layoutManager);

    ArrayList<FoodDomain> foodlist = new ArrayList<>();
    foodlist.add(new FoodDomain("Pepperoni pizza", "pizza1", "slices pepperoni ,mozzarella cheese, fresh
oregano, ground black pepper, pizza sauce", 9.76));
    foodlist.add(new FoodDomain("Cheese Burger", "burger", "beef, Gouda Cheese, Special sauce, Lettuce,
tomato ", 8.79));
    foodlist.add(new FoodDomain("Vegetable pizza", "pizza2", " olive oil, Vegetable oil, pitted Kalamata,
cherry tomatoes, fresh oregano, basil", 8.5));

    adapter2 = new PopularAdapter(foodlist);
    recyclerViewPopularList.setAdapter(adapter2);

}

private void recyclerViewCategory() {
    LinearLayoutManager layoutManager = new LinearLayoutManager(this,
LinearLayoutManager.HORIZONTAL, false);
    recyclerViewCategoryList = findViewById(R.id.recyclerView);
    recyclerViewCategoryList.setLayoutManager(layoutManager);

    ArrayList<CategoryDomain> categoryList = new ArrayList<>();
    categoryList.add(new CategoryDomain("Pizza", "cat_1"));
    categoryList.add(new CategoryDomain("Burger", "cat_2"));
    categoryList.add(new CategoryDomain("Hotdog", "cat_3"));
    categoryList.add(new CategoryDomain("Drink", "cat_4"));
    categoryList.add(new CategoryDomain("Dount", "cat_5"));

    adapter = new CategoryAdapter(categoryList);
    recyclerViewCategoryList.setAdapter(adapter);
}

```

```
}  
}
```

IntroActivity.java

```
package com.example.project.Activity;  
  
import androidx.appcompat.app.AppCompatActivity;  
import androidx.constraintlayout.widget.ConstraintLayout;  
  
import android.content.Intent;  
import android.os.Bundle;  
import android.view.View;  
  
import com.example.project.R;  
  
public class IntroActivity extends AppCompatActivity {  
    private ConstraintLayout startBtn;  
  
    @Override  
    protected void onCreate(Bundle savedInstanceState) {  
        super.onCreate(savedInstanceState);  
        setContentView(R.layout.activity_intro);  
  
        startBtn=findViewById(R.id.startbtn);  
        startBtn.setOnClickListener(new View.OnClickListener() {  
            @Override  
            public void onClick(View v) {  
                startActivity(new Intent(IntroActivity.this, MainActivity.class));  
            }  
        });  
    }  
}
```

CartListActivity.java

```
package com.example.project.Activity;  
  
import androidx.appcompat.app.AppCompatActivity;  
import androidx.recyclerview.widget.LinearLayoutManager;  
import androidx.recyclerview.widget.RecyclerView;  
  
import android.content.Intent;  
import android.os.Bundle;  
import android.view.View;
```

```

import android.widget.LinearLayout;
import android.widget.ScrollView;
import android.widget.TextView;

import com.example.project.Adapter.CartListAdapter;
import com.example.project.Helper.ManagementCart;
import com.example.project.Interface.ChangeNumberItemsListener;
import com.example.project.R;
import com.google.android.material.floatingactionbutton.FloatingActionButton;

public class CartListActivity extends AppCompatActivity {
    private RecyclerView.Adapter adapter;
    private RecyclerView recyclerViewList;
    private ManagementCart managementCart;
    private TextView totalFeeTxt, taxTxt, deliveryTxt, totalTxt, emptyTxt;
    private double tax;
    private ScrollView scrollView;

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

        managementCart = new ManagementCart(this);

        initView();
        initList();
        calculateCard();
        bottomNavigation();
    }
    private void bottomNavigation() {
        FloatingActionButton floatingActionButton = findViewById(R.id.card_btn);
        LinearLayout homeBtn = findViewById(R.id.homeBtn);

        floatingActionButton.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                startActivity(new Intent(CartListActivity.this, CartListActivity.class));
            }
        });

        homeBtn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                startActivity(new Intent(CartListActivity.this, MainActivity.class));
            }
        });
    }

```

```

    }
    });
}
private void initList() {
    LinearLayoutManager layoutManager = new LinearLayoutManager(this,
LinearLayoutManager.VERTICAL, false);
    recyclerViewList.setLayoutManager(layoutManager);
    adapter = new CartListAdapter(managementCart.getListCard(), this, new
ChangeNumberItemsListener() {
        @Override
        public void changed() {
            calculateCard();
        }
    });
}

recyclerViewList.setAdapter(adapter);
if (managementCart.getListCard().isEmpty()) {
    emptyTxt.setVisibility(View.VISIBLE);
    scrollView.setVisibility(View.GONE);
} else {
    emptyTxt.setVisibility(View.GONE);
    scrollView.setVisibility(View.VISIBLE);
}
}

private void calculateCard() {
    double percentTax = 0.02;
    double delivery = 10;

    tax = Math.round((managementCart.getTotalFee() * percentTax) * 100.0) / 100.0;
    double total = Math.round((managementCart.getTotalFee() + tax + delivery) * 100.0) / 100.0;
    double itemTotal = Math.round(managementCart.getTotalFee() * 100.0) / 100.0;

    totalFeeTxt.setText("$" + itemTotal);
    taxTxt.setText("$" + tax);
    deliveryTxt.setText("$" + delivery);
    totalTxt.setText("$" + total);
}

private void initView() {
    recyclerViewList = findViewById(R.id.recyclerview);
    totalFeeTxt = findViewById(R.id.totalFeeTxt);
    taxTxt = findViewById(R.id.taxTxt);
    deliveryTxt = findViewById(R.id.deliveryTxt);
    totalTxt = findViewById(R.id.totalTxt);
}

```

```
        emptyTxt = findViewById(R.id.emptyTxt);
        scrollView = findViewById(R.id.scrollView4);
    }
}
```

ShowDetailedActivity.java

```
package com.example.project.Activity;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.View;
import android.widget.ImageView;
import android.widget.TextView;

import com.bumptech.glide.Glide;
import com.example.project.Domain.FoodDomain;
import com.example.project.Helper.ManagementCart;
import com.example.project.R;

public class ShowDetailActivity extends AppCompatActivity {

    private TextView addToCardBtn;
    private TextView titleTxt, feeTxt, descriptionTxt, numberOrderTxt;
    private ImageView plusBtn, minusBtn, picFood;
    private FoodDomain object;
    private int numberOrder = 1;
    private ManagementCart managementCart;

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

        managementCart = new ManagementCart(this);

        initView();
        getBundle();
    }

    private void getBundle() {
        object = (FoodDomain) getIntent().getSerializableExtra("object");

        int drawableResourceId = this.getResources().getIdentifier(object.getPic(), "drawable",
this.getPackageName());
```

```

Glide.with(this)
    .load(drawableResourceId)
    .into(picFood);

titleTxt.setText(object.getTitle());
feeTxt.setText("$" + object.getFee());
descriptionTxt.setText(object.getDescription());
numberOrderTxt.setText(String.valueOf(numberOrder));

plusBtn.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        numberOrder = numberOrder + 1;
        numberOrderTxt.setText(String.valueOf(numberOrder));
    }
});

minusBtn.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        if (numberOrder > 1) {
            numberOrder = numberOrder - 1;
        }
        numberOrderTxt.setText(String.valueOf(numberOrder));
    }
});

addToCardBtn.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        object.setNumberInCart(numberOrder);
        managementCart.insertFood(object);
    }
});
}

private void initView() {
    addToCardBtn = findViewById(R.id.addToCardBtn);
    titleTxt = findViewById(R.id.titleTxt);
    feeTxt = findViewById(R.id.priceTxt);
    descriptionTxt = findViewById(R.id.descriptionTxt);
    numberOrderTxt = findViewById(R.id.numberOrderTxt);
    plusBtn = findViewById(R.id.plusBtn);
    minusBtn = findViewById(R.id.minusBtn);
    picFood = findViewById(R.id.foodPic);
}

```



```
}  
}
```

Activity_main.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:focusable="true"  
android:focusableInTouchMode="true"  
android:layout_height="match_parent"  
tools:context=".Activity.MainActivity">  
  
    <ScrollView  
        android:id="@+id/scrollView2"  
        android:layout_width="match_parent"  
        android:layout_height="match_parent"  
        app:layout_constraintBottom_toBottomOf="parent"  
        app:layout_constraintEnd_toEndOf="parent"  
        app:layout_constraintStart_toStartOf="parent"  
        app:layout_constraintTop_toTopOf="parent">  
  
        <LinearLayout  
            android:layout_width="match_parent"  
            android:layout_height="wrap_content"  
            android:orientation="vertical"  
            android:paddingBottom="90dp">  
  
                <androidx.constraintlayout.widget.ConstraintLayout  
                    android:layout_width="match_parent"  
                    android:layout_height="wrap_content">  
  
                        <androidx.recyclerview.widget.RecyclerView  
                            android:id="@+id/recyclerView2"  
                            android:layout_width="match_parent"  
                            android:layout_height="wrap_content"  
                            android:clipToPadding="false"  
                            android:paddingStart="22dp"  
                            android:paddingEnd="22dp"  
                            app:layout_constraintEnd_toEndOf="parent"  
                            app:layout_constraintHorizontal_bias="0.0"  
                            app:layout_constraintStart_toStartOf="parent"  
                            app:layout_constraintTop_toBottomOf="@+id/textView10" />
```

<TextView

```
    android:id="@+id/textView10"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="40dp"
    android:layout_marginTop="16dp"
    android:text="Popular"
    android:textColor="#000000"
    android:textSize="18sp"
    android:textStyle="bold"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/recyclerView" />
```

<TextView

```
    android:id="@+id/textView4"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="32dp"
    android:layout_marginTop="32dp"
    android:text="Hi Rechara"
    android:textColor="#ff3d00"
    android:textSize="20sp"
    android:textStyle="bold"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />
```

<TextView

```
    android:id="@+id/textView5"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="8dp"
    android:text="Order & Eat"
    android:textColor="#000000"
    android:textSize="20sp"
    app:layout_constraintEnd_toEndOf="@+id/textView4"
    app:layout_constraintHorizontal_bias="0.0"
    app:layout_constraintStart_toStartOf="@+id/textView4"
    app:layout_constraintTop_toBottomOf="@+id/textView4" />
```

<ImageView

```
    android:id="@+id/imageView3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginEnd="32dp"
```

```
    android:src="@drawable/profile"
    app:layout_constraintBottom_toBottomOf="@+id/textView5"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintTop_toTopOf="@+id/textView4" />
```

<EditText

```
    android:id="@+id/editTextTextPersonName"
    android:layout_width="0dp"
    android:layout_height="50dp"
    android:layout_marginStart="32dp"
    android:layout_marginTop="16dp"
    android:layout_marginEnd="32dp"
    android:background="@drawable/search_back"
    android:drawableStart="@drawable/search"
    android:drawablePadding="10dp"
    android:ems="10"
    android:hint="Find Your Food"
    android:inputType="textPersonName"
    android:paddingStart="20dp"
    android:textSize="14sp"
    android:textStyle="italic"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="1.0"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView5"
    app:layout_constraintVertical_bias="0.0" />
```

<androidx.constraintlayout.widget.ConstraintLayout

```
    android:id="@+id/constraintLayout"
    android:layout_width="match_parent"
    android:layout_height="150dp"
    android:layout_marginStart="32dp"
    android:layout_marginTop="16dp"
    android:layout_marginEnd="32dp"
    android:background="@drawable/light_orange_back"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/editTextTextPersonName">
```

<ImageView

```
    android:id="@+id/imageView4"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:src="@drawable/image_banner"
```

```
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintStart_toStartOf="parent" />
```

<TextView

```
android:id="@+id/textView6"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginTop="16dp"
android:text="Free Delivery"
android:textColor="#000000"
android:textSize="20sp"
android:textStyle="bold"
app:layout_constraintStart_toEndOf="@+id/imageView4"
app:layout_constraintTop_toTopOf="@+id/imageView4" />
```

<TextView

```
android:id="@+id/textView7"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginEnd="2dp"
android:text="May 2 - June 10"
android:textColor="#000000"
android:textSize="18sp"
app:layout_constraintEnd_toEndOf="@+id/textView6"
app:layout_constraintStart_toStartOf="@+id/textView6"
app:layout_constraintTop_toBottomOf="@+id/textView6" />
```

<androidx.constraintlayout.widget.ConstraintLayout

```
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginTop="8dp"
android:background="@drawable/orange_button_background"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="@+id/textView7"
app:layout_constraintStart_toEndOf="@+id/imageView4"
app:layout_constraintTop_toBottomOf="@+id/textView6">
```

<TextView

```
android:id="@+id/textView8"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginStart="16dp"
android:layout_marginTop="8dp"
android:layout_marginEnd="16dp"
android:layout_marginBottom="8dp"
```

```

        android:text="Order Now"
        android:textColor="#ffffff"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />
    </androidx.constraintlayout.widget.ConstraintLayout>
</androidx.constraintlayout.widget.ConstraintLayout>

<TextView
    android:id="@+id/textView9"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="32dp"
    android:layout_marginTop="16dp"
    android:text="Categories"
    android:textColor="#000000"
    android:textSize="18sp"
    android:textStyle="bold"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/constraintLayout" />

<androidx.recyclerview.widget.RecyclerView
    android:id="@+id/recyclerView"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="8dp"
    android:clipToPadding="false"
    android:paddingStart="22dp"
    android:paddingEnd="22dp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView9" />
</androidx.constraintlayout.widget.ConstraintLayout>
</LinearLayout>
</ScrollView>

<androidx.coordinatorlayout.widget.CoordinatorLayout
    android:layout_width="match_parent"
    android:layout_height="100dp"

    app:layout_constraintBottom_toBottomOf="@+id/scrollView2"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent">

```

```
<com.google.android.material.bottomappbar.BottomAppBar
```

```
    android:layout_width="match_parent"
```

```
    android:layout_height="wrap_content"
```

```
    android:layout_gravity="bottom"
```

```
    android:backgroundTint="#f6f6f6"
```

```
    android:id="@+id/app_bar"
```

```
    app:fabCradleMargin="8dp"
```

```
    app:fabCradleRoundedCornerRadius="50dp"
```

```
    app:fabCradleVerticalOffset="6dp">
```

```
<LinearLayout
```

```
    android:layout_width="match_parent"
```

```
    android:layout_height="match_parent"
```

```
    android:orientation="horizontal">
```

```
<LinearLayout
```

```
    android:id="@+id/homeBtn"
```

```
    android:layout_width="0dp"
```

```
    android:layout_height="match_parent"
```

```
    android:layout_weight="0.2"
```

```
    android:orientation="vertical">
```

```
<ImageView
```

```
    android:id="@+id/imageViews5"
```

```
    android:layout_width="match_parent"
```

```
    android:layout_height="wrap_content"
```

```
    android:layout_weight="1"
```

```
    app:srcCompat="@drawable/bottom_btn1" />
```

```
<TextView
```

```
    android:id="@+id/textView11"
```

```
    android:layout_width="match_parent"
```

```
    android:layout_height="wrap_content"
```

```
    android:text="Home"
```

```
    android:textAlignment="center"
```

```
    android:textColor="#676767"
```

```
    android:textSize="12sp" />
```

```
</LinearLayout>
```

```
<LinearLayout
```

```
    android:layout_width="0dp"
```

```
    android:layout_height="match_parent"
```

```
    android:layout_weight="0.2"
```

```
    android:orientation="vertical">
```

```
<ImageView
```

```
    android:id="@+id/imageView5"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    app:srcCompat="@drawable/bottom_btn2" />
```

<TextView

```
    android:id="@+id/textView11"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Profile"
    android:textAlignment="center"
    android:textColor="#676767"
    android:textSize="12sp" />
```

</LinearLayout>

<LinearLayout

```
    android:layout_width="0dp"
    android:layout_height="match_parent"
    android:layout_weight="0.2"
    android:orientation="vertical"
    android:visibility="invisible">
```

<ImageView

```
    android:id="@+id/imageView5"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    app:srcCompat="@drawable/bottom_btn1" />
```

<TextView

```
    android:id="@+id/textView11"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Home"
    android:textAlignment="center"
    android:textColor="#676767"
    android:textSize="12sp" />
```

</LinearLayout>

<LinearLayout

```
    android:layout_width="0dp"
    android:layout_height="match_parent"
    android:layout_weight="0.2"
    android:orientation="vertical">
```

<ImageView

```
    android:id="@+id/imageView5"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    app:srcCompat="@drawable/bottom_btn3" />
```

```
<TextView
```

```
    android:id="@+id/textView11"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Support"
    android:textAlignment="center"
    android:textColor="#676767"
    android:textSize="12sp" />
```

```
</LinearLayout>
```

```
<LinearLayout
```

```
    android:layout_width="0dp"
    android:layout_height="match_parent"
    android:layout_weight="0.2"
    android:orientation="vertical">
```

```
<ImageView
```

```
    android:id="@+id/imageView5"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    app:srcCompat="@drawable/bottom_btn4" />
```

```
<TextView
```

```
    android:id="@+id/textView11"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Settings"
    android:textAlignment="center"
    android:textColor="#676767"
    android:textSize="12sp" />
```

```
</LinearLayout>
```

```
</LinearLayout>
```

```
</com.google.android.material.bottomappbar.BottomAppBar>
```

```
<com.google.android.material.floatingactionbutton.FloatingActionButton
```

```
    android:id="@+id/card_btn"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:backgroundTint="#ff5e00"
```



```

        android:elevation="3dp"
        android:src="@drawable/shopping_cart"
        app:backgroundTint="#ff5e00"
        app:layout_anchor="@id/app_bar"
        app:maxImageSize="30dp"
        app:tint="#ffffff" />
    </androidx.coordinatorlayout.widget.CoordinatorLayout>
</androidx.constraintlayout.widget.ConstraintLayout>

```

Activity_intro.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=".Activity.IntroActivity">

    <ImageView
        android:id="@+id/imageView"
        android:layout_width="wrap_content"
        android:layout_height="650dp"
        android:scaleType="fitXY"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.0"
        app:srcCompat="@drawable/background_intro" />

    <ImageView
        android:id="@+id/imageView2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        app:layout_constraintBottom_toBottomOf="@+id/imageView"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="@+id/imageView"
        app:layout_constraintTop_toTopOf="@+id/imageView"
        app:layout_constraintVertical_bias="0.58000004"
        app:srcCompat="@drawable/logo" />

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

```

```
android:layout_height="wrap_content"
android:text="Foodator"
android:textStyle="bold"
android:textSize="60sp"
android:textColor="#3D33A8"
app:layout_constraintBottom_toTopOf="@+id/imageView2"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="@+id/imageView"
app:layout_constraintVertical_bias="0.75" />
```

<TextView

```
android:id="@+id/textView2"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="Food Delivery App"
android:textColor="#3d33a8"
android:textSize="30sp"
android:textStyle="bold"
app:layout_constraintBottom_toBottomOf="@+id/imageView"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toBottomOf="@+id/imageView2" />
```

<androidx.constraintlayout.widget.ConstraintLayout

```
android:id="@+id/startbtn"
android:layout_width="match_parent"
android:layout_height="50dp"
android:layout_marginStart="24dp"
android:layout_marginEnd="24dp"
android:background="@drawable/orange_button_background"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toBottomOf="@+id/imageView">
```

<TextView

```
android:id="@+id/textView3"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="Get Started"
android:textSize="25dp"
android:textColor="#ffffff"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
```

```
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />
    </androidx.constraintlayout.widget.ConstraintLayout>
</androidx.constraintlayout.widget.ConstraintLayout>
```

Activity_card_list.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=".Activity.CartListActivity">

    <ScrollView
        android:id="@+id/scrollView4"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent">

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

            <TextView
                android:id="@+id/textView12"
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:layout_marginTop="32dp"
                android:text="My Card"
                android:textAlignment="center"
                android:textColor="#ff3d00"
                android:textSize="20sp"
                android:textStyle="bold" />

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

<LinearLayout

```
android:layout_width="match_parent"
android:layout_height="match_parent"
android:layout_marginStart="16dp"
android:layout_marginTop="16dp"
android:layout_marginEnd="16dp"
android:layout_marginBottom="4dp"
android:orientation="horizontal">
```

<TextView

```
android:id="@+id/textView13"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_weight="1"
android:text="Items Total:"
android:textColor="#373b54"
android:textSize="18sp"
android:textStyle="bold" />
```

<TextView

```
android:id="@+id/totalFeeTxt"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="$0"
android:textColor="#373b54"
android:textSize="18sp"
android:textStyle="bold" />
```

</LinearLayout>

<LinearLayout

```
android:layout_width="match_parent"
android:layout_height="match_parent"
android:layout_marginStart="16dp"
android:layout_marginTop="4dp"
android:layout_marginEnd="16dp"
android:layout_marginBottom="4dp"
android:orientation="horizontal">
```

<TextView

```
android:id="@+id/textView13"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_weight="1"
android:text="Delivery Services:"
```

```
        android:textColor="#373b54"
        android:textSize="18sp"
        android:textStyle="bold" />
```

<TextView

```
    android:id="@+id/deliveryTxt"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="$0"
    android:textColor="#373b54"
    android:textSize="18sp"
    android:textStyle="bold" />
```

</LinearLayout>

<LinearLayout

```
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:layout_marginStart="16dp"
    android:layout_marginTop="4dp"
    android:layout_marginEnd="16dp"
    android:layout_marginBottom="4dp"
    android:orientation="horizontal">
```

<TextView

```
    android:id="@+id/textView13"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_weight="1"
    android:text="Tax:"
    android:textColor="#373b54"
    android:textSize="18sp"
    android:textStyle="bold" />
```

<TextView

```
    android:id="@+id/taxTxt"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="$0"
    android:textColor="#373b54"
    android:textSize="18sp"
    android:textStyle="bold" />
```

</LinearLayout>

<LinearLayout

```
    android:layout_width="match_parent"
```

```
android:layout_height="match_parent"
android:layout_marginStart="16dp"
android:layout_marginTop="16dp"
android:layout_marginEnd="16dp"
android:layout_marginBottom="4dp"
android:orientation="horizontal">
```

```
<TextView
```

```
    android:id="@+id/textView13"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_weight="1"
    android:text="Total:"
    android:textColor="#373b54"
    android:textSize="30sp"
    android:textStyle="bold" />
```

```
<TextView
```

```
    android:id="@+id/totalTxt"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="$0"
    android:textColor="#373b54"
    android:textSize="30sp"
    android:textStyle="bold" />
```

```
</LinearLayout>
```

```
<TextView
```

```
    android:id="@+id/textView16"
    android:layout_width="match_parent"
    android:layout_height="50dp"
    android:layout_margin="16dp"
    android:background="@drawable/orange_button_background"
    android:gravity="center"
    android:text="CheckOut"
    android:textColor="#ffffff"
    android:textSize="25sp"
    android:textStyle="bold" />
```

```
</LinearLayout>
```

```
</ScrollView>
```

```
<TextView
```

```
    android:id="@+id/emptyTxt"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
```

```
android:text="Your Card Is Empty"
android:textSize="16sp"
android:textStyle="bold"
android:visibility="gone"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent" />
```

```
<androidx.coordinatorlayout.widget.CoordinatorLayout
```

```
    android:layout_width="match_parent"
    android:layout_height="100dp"
```

```
    app:layout_constraintBottom_toBottomOf="@+id/scrollView4"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent">
```

```
<com.google.android.material.bottomappbar.BottomAppBar
```

```
    android:id="@+id/app_bar"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_gravity="bottom"
    android:backgroundTint="#f6f6f6"
    app:fabCradleMargin="8dp"
    app:fabCradleRoundedCornerRadius="50dp"
    app:fabCradleVerticalOffset="6dp">
```

```
<LinearLayout
```

```
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="horizontal">
```

```
<LinearLayout
```

```
    android:id="@+id/homeBtn"
    android:layout_width="0dp"
    android:layout_height="match_parent"
    android:layout_weight="0.2"
    android:orientation="vertical">
```

```
<ImageView
```

```
    android:id="@+id/imageViews5"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_weight="1"
    app:srcCompat="@drawable/bottom_btn1" />
```

```
<TextView
    android:id="@+id/textView11"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Home"
    android:textAlignment="center"
    android:textColor="#676767"
    android:textSize="12sp" />
```

```
</LinearLayout>
```

```
<LinearLayout
```

```
    android:layout_width="Odp"
    android:layout_height="match_parent"
    android:layout_weight="0.2"
    android:orientation="vertical">
```

```
<ImageView
```

```
    android:id="@+id/imageView5"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    app:srcCompat="@drawable/bottom_btn2" />
```

```
<TextView
```

```
    android:id="@+id/textView11"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Profile"
    android:textAlignment="center"
    android:textColor="#676767"
    android:textSize="12sp" />
```

```
</LinearLayout>
```

```
<LinearLayout
```

```
    android:layout_width="Odp"
    android:layout_height="match_parent"
    android:layout_weight="0.2"
    android:orientation="vertical"
    android:visibility="invisible">
```

```
<ImageView
```

```
    android:id="@+id/imageView5"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    app:srcCompat="@drawable/bottom_btn1" />
```



```
<TextView
    android:id="@+id/textView11"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Home"
    android:textAlignment="center"
    android:textColor="#676767"
    android:textSize="12sp" />
```

```
</LinearLayout>
```

```
<LinearLayout
```

```
    android:layout_width="Odp"
    android:layout_height="match_parent"
    android:layout_weight="0.2"
    android:orientation="vertical">
```

```
<ImageView
```

```
    android:id="@+id/imageView5"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    app:srcCompat="@drawable/bottom_btn3" />
```

```
<TextView
```

```
    android:id="@+id/textView11"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Support"
    android:textAlignment="center"
    android:textColor="#676767"
    android:textSize="12sp" />
```

```
</LinearLayout>
```

```
<LinearLayout
```

```
    android:layout_width="Odp"
    android:layout_height="match_parent"
    android:layout_weight="0.2"
    android:orientation="vertical">
```

```
<ImageView
```

```
    android:id="@+id/imageView5"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    app:srcCompat="@drawable/bottom_btn4" />
```

```

        <TextView
            android:id="@+id/textView11"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Settings"
            android:textAlignment="center"
            android:textColor="#676767"
            android:textSize="12sp" />
    </LinearLayout>
</LinearLayout>
</com.google.android.material.bottomappbar.BottomAppBar>

<com.google.android.material.floatingactionbutton.FloatingActionButton
    android:id="@+id/card_btn"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:backgroundTint="#ff5e00"
    android:elevation="3dp"
    android:src="@drawable/shopping_cart"
    app:backgroundTint="#ff5e00"
    app:layout_anchor="@id/app_bar"
    app:maxImageSize="30dp"
    app:tint="#ffffff" />
</androidx.coordinatorlayout.widget.CoordinatorLayout>
</androidx.constraintlayout.widget.ConstraintLayout>

```

Activity_show_detail.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=".Activity.ShowDetailActivity">

    <ScrollView
        android:id="@+id/scrollView3"
        android:layout_width="match_parent"
        android:layout_height="match_parent">

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"

```

```
android:orientation="vertical">
```

```
<TextView
```

```
    android:id="@+id/titleTxt"  
    android:layout_width="match_parent"  
    android:layout_height="wrap_content"  
    android:layout_marginTop="60dp"  
    android:text="Title"  
    android:textAlignment="center"  
    android:textColor="#373b54"  
    android:textSize="24sp"  
    android:textStyle="bold" />
```

```
<TextView
```

```
    android:id="@+id/priceTxt"  
    android:layout_width="match_parent"  
    android:layout_height="wrap_content"  
    android:text="$"  
    android:textAlignment="center"  
    android:textColor="#ff5e00"  
    android:textSize="24sp" />
```

```
<ImageView
```

```
    android:id="@+id/foodPic"  
    android:layout_width="match_parent"  
    android:layout_height="wrap_content"  
    app:srcCompat="@drawable/pizza1" />
```

```
<LinearLayout
```

```
    android:layout_width="match_parent"  
    android:layout_height="match_parent"  
    android:gravity="center"  
    android:orientation="horizontal">
```

```
<ImageView
```

```
    android:id="@+id/minusBtn"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
  
    app:srcCompat="@drawable/minus" />
```

```
<TextView
```

```
    android:id="@+id/numberOrderTxt"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"
```

```
        android:layout_marginStart="16dp"
        android:layout_marginEnd="16dp"
        android:text="1"
        android:textAlignment="center"
        android:textColor="#373b54"
        android:textSize="18sp"
        android:textStyle="bold" />
```

```
<ImageView
```

```
    android:id="@+id/plusBtn"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
```

```
    app:srcCompat="@drawable/plus" />
```

```
</LinearLayout>
```

```
<TextView
```

```
    android:id="@+id/descriptionTxt"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_margin="16dp"
    android:text="Description"
    android:textColor="#686767"
    android:textSize="20sp"
    android:textStyle="bold" />
```

```
</LinearLayout>
```

```
</ScrollView>
```

```
<TextView
```

```
    android:id="@+id/addToCardBtn"
    android:layout_width="0dp"
    android:layout_height="50dp"
    android:layout_margin="16dp"
    android:text="Add to Card"
    android:background="@drawable/orange_button_background"
    android:gravity="center"
    android:textColor="#ffffff"
    android:textSize="23sp"
    android:textStyle="bold"
    android:elevation="3dp"
    app:layout_constraintBottom_toBottomOf="@+id/scrollView3"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent" />
```

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

ViewHolder_card.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"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginStart="16dp"
    android:layout_marginTop="10dp"
    android:layout_marginEnd="16dp"
    android:layout_marginBottom="10dp"
    android:background="@drawable/card_background"
    android:elevation="3dp">

    <ImageView
        android:id="@+id/picCard"
        android:layout_width="100dp"
        android:layout_height="100dp"
        android:layout_marginStart="4dp"
        android:layout_marginTop="4dp"
        android:layout_marginBottom="4dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.0"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:srcCompat="@drawable/pizza1" />

    <TextView
        android:id="@+id/title2Txt"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="8dp"
        android:layout_marginTop="16dp"
        android:text="title"
        android:textStyle="bold"
        android:textSize="18sp"
        android:textColor="#373b54"
        app:layout_constraintStart_toEndOf="@+id/picCard"
        app:layout_constraintTop_toTopOf="@+id/picCard" />

    <ImageView
        android:id="@+id/minusCardBtn"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
```

```
android:layout_marginStart="8dp"
android:layout_marginBottom="8dp"
app:layout_constraintBottom_toBottomOf="@+id/picCard"
app:layout_constraintStart_toEndOf="@+id/picCard"
app:srcCompat="@drawable/minus" />
```

<TextView

```
android:id="@+id/numberItemTxt"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginStart="8dp"
android:text="1"
android:textColor="#373b54"
android:textStyle="bold"
android:textSize="18sp"
app:layout_constraintBottom_toBottomOf="@+id/minusCardBtn"
app:layout_constraintStart_toEndOf="@+id/minusCardBtn"
app:layout_constraintTop_toTopOf="@+id/minusCardBtn" />
```

<ImageView

```
android:id="@+id/plusCardBtn"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginStart="8dp"
app:layout_constraintBottom_toBottomOf="@+id/minusCardBtn"
app:layout_constraintStart_toEndOf="@+id/numberItemTxt"
app:layout_constraintTop_toTopOf="@+id/minusCardBtn"
app:srcCompat="@drawable/plus" />
```

<TextView

```
android:id="@+id/feeEachItem"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginEnd="16dp"
android:text="0"
android:textColor="#373b54"
android:textSize="16sp"
app:layout_constraintBottom_toBottomOf="@+id/title2Txt"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintTop_toTopOf="@+id/title2Txt" />
```

<TextView

```
android:id="@+id/textView19"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
```

```

        android:layout_marginEnd="4dp"
        android:text="$"
        android:textColor="#ff3d00"
        app:layout_constraintBottom_toBottomOf="@+id/feeEachItem"
        app:layout_constraintEnd_toStartOf="@+id/feeEachItem"
        app:layout_constraintTop_toTopOf="@+id/feeEachItem" />

```

<TextView

```

        android:id="@+id/totalEachItem"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="0"
        android:textColor="#373b54"
        android:textSize="18sp"
        android:textStyle="bold"
        app:layout_constraintBottom_toBottomOf="@+id/plusCardBtn"
        app:layout_constraintEnd_toEndOf="@+id/feeEachItem"
        app:layout_constraintTop_toTopOf="@+id/plusCardBtn" />

```

<TextView

```

        android:id="@+id/textView21"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginEnd="4dp"
        android:text="$"
        android:textColor="#ff3d00"
        android:textSize="16sp"
        app:layout_constraintBottom_toBottomOf="@+id/totalEachItem"
        app:layout_constraintEnd_toStartOf="@+id/totalEachItem"
        app:layout_constraintTop_toTopOf="@+id/totalEachItem" />

```

```

</androidx.constraintlayout.widget.ConstraintLayout>

```

ViewHolder_cat.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"
    android:id="@+id/mainLayout"
    android:layout_width="75dp"
    android:layout_height="wrap_content"
    android:layout_margin="8dp"
    android:background="@drawable/category_background1">

```

<ImageView

```

        android:id="@+id/categoryPic"

```

```

    android:layout_width="35dp"
    android:layout_height="35dp"
    android:layout_marginStart="10dp"
    android:layout_marginTop="10dp"
    android:layout_marginEnd="10dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.0"
    app:srcCompat="@drawable/cat_1" />

<TextView
    android:id="@+id/categoryName"
    android:layout_width="wrap_content"
    android:layout_height="30dp"
    android:layout_marginTop="8dp"
    android:text="title"
    android:textColor="#6e6e70"
    android:textSize="16sp"
    android:textStyle="bold"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/categoryPic" />
</androidx.constraintlayout.widget.ConstraintLayout>

```

ViewHolder_popular.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="wrap_content"
    android:layout_height="wrap_content"
    android:layout_margin="10dp"
    android:background="@drawable/card_background"
    android:elevation="3dp">

    <ImageView
        android:id="@+id/pic"
        android:layout_width="100dp"
        android:layout_height="100dp"
        android:layout_marginStart="16dp"

```



```
android:layout_marginEnd="16dp"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.498"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toBottomOf="@+id/title"
app:srcCompat="@drawable/pizza2" />
```

<TextView

```
android:id="@+id/title"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginStart="4dp"
android:layout_marginTop="16dp"
android:layout_marginEnd="4dp"
android:gravity="center"
android:text="title"
android:textAlignment="center"
android:textColor="#373b54"

android:textSize="14sp"
android:textStyle="bold"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent" />
```

<TextView

```
android:id="@+id/fee"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="0.0"
android:textColor="#373b54"
android:textSize="18sp"
android:textStyle="bold"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toBottomOf="@+id/pic" />
```

<TextView

```
android:id="@+id/textView14"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginEnd="3dp"
android:text="$"
android:textColor="#ff3d00"
app:layout_constraintBottom_toBottomOf="@+id/fee"
```

```

app:layout_constraintEnd_toStartOf="@+id/fee"
app:layout_constraintTop_toBottomOf="@+id/pic" />

<TextView
    android:id="@+id/addBtn"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_margin="8dp"
    android:background="@drawable/orange_button_background"
    android:paddingStart="10dp"
    android:paddingTop="3dp"
    android:paddingEnd="10dp"
    android:paddingBottom="3dp"
    android:text="+ Add"
    android:textColor="#ffffff"
    android:textStyle="bold"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/fee" />
</androidx.constraintlayout.widget.ConstraintLayout>

```

Adapters

A) CartListAdapter.java

```

package com.example.project.Adapter;

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

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

import com.bumptech.glide.Glide;
import com.example.project.Domain.FoodDomain;
import com.example.project.Helper.ManagementCart;
import com.example.project.Interface.ChangeNumberItemsListener;
import com.example.project.R;

import java.util.ArrayList;

```

```

public class CartListAdapter extends RecyclerView.Adapter<CartListAdapter.ViewHolder> {
    private ArrayList<FoodDomain> foodDomains;
    private ManagementCart managementCart;
    private ChangeNumberItemsListener changeNumberItemsListener;

    public CartListAdapter(ArrayList<FoodDomain> FoodDomains, Context context,
ChangeNumberItemsListener changeNumberItemsListener) {

        this.foodDomains = FoodDomains;
        managementCart = new ManagementCart(context);
        this.changeNumberItemsListener = changeNumberItemsListener;
    }

    @NonNull
    @Override
    public ViewHolder onCreateViewHolder(@NonNull ViewGroup parent, int viewType) {
        View inflate = LayoutInflater.from(parent.getContext()).inflate(R.layout.viewholder_card, parent, false);

        return new ViewHolder(inflate);
    }

    @Override
    public void onBindViewHolder(@NonNull ViewHolder holder, int position) {
        holder.title.setText(foodDomains.get(position).getTitle());
        holder.feeEachItem.setText(String.valueOf(foodDomains.get(position).getFee()));
        holder.totalEachItem.setText(String.valueOf(Math.round((foodDomains.get(position).getNumberInCart()
* foodDomains.get(position).getFee()) * 100.0) / 100.0));
        holder.num.setText(String.valueOf(foodDomains.get(position).getNumberInCart()));

        int drawableResourcelId =
holder.itemView.getContext().getResources().getIdentifier(foodDomains.get(position).getPic(), "drawable",
holder.itemView.getContext().getPackageName());

        Glide.with(holder.itemView.getContext())
            .load(drawableResourcelId)
            .into(holder.pic);

        holder.plusItem.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                managementCart.plusNumberFood(foodDomains, position, new ChangeNumberItemsListener() {
                    @Override
                    public void changed() {
                        notifyDataSetChanged();
                    }
                });
            }
        });
    }
}

```

```

        changeNumberItemsListener.changed();
    }
    });
}
});

holder.minusItem.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        managementCart.MinusNumeFood(foodDomains, position, new ChangeNumberItemsListener()
{
        @Override
        public void changed() {
            notifyDataSetChanged();
            changeNumberItemsListener.changed();
        }
    });
}
});

}

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

public class ViewHolder extends RecyclerView.ViewHolder {
    TextView title, feeEachItem;
    ImageView pic, plusItem, minusItem;
    TextView totalEachItem, num;

    public ViewHolder(@NonNull View itemView) {
        super(itemView);
        title = itemView.findViewById(R.id.title2Txt);
        feeEachItem = itemView.findViewById(R.id.feeEachItem);
        pic = itemView.findViewById(R.id.picCard);
        totalEachItem = itemView.findViewById(R.id.totalEachItem);
        num = itemView.findViewById(R.id.numberItemTxt);
        plusItem = itemView.findViewById(R.id.plusCardBtn);
        minusItem = itemView.findViewById(R.id.minusCardBtn);
    }
}

```

```
}  
}
```

B) CategoryAdapter.java

```
package com.example.project.Adapter;  
  
import android.view.LayoutInflater;  
import android.view.View;  
import android.view.ViewGroup;  
import android.widget.ImageView;  
import android.widget.TextView;  
  
import androidx.annotation.NonNull;  
import androidx.constraintlayout.widget.ConstraintLayout;  
import androidx.core.content.ContextCompat;  
import androidx.recyclerview.widget.RecyclerView;  
  
import com.bumptech.glide.Glide;  
import com.example.project.Domain.CategoryDomain;  
import com.example.project.R;  
  
import java.util.ArrayList;  
  
public class CategoryAdapter extends RecyclerView.Adapter<CategoryAdapter.ViewHolder> {  
    ArrayList<CategoryDomain> categoryDomains;  
  
    public CategoryAdapter(ArrayList<CategoryDomain> categoryDomains) {  
        this.categoryDomains = categoryDomains;  
    }  
  
    @NonNull  
    @Override  
    public ViewHolder onCreateViewHolder(@NonNull ViewGroup parent, int viewType) {  
        View inflate = LayoutInflater.from(parent.getContext()).inflate(R.layout.viewholder_cat, parent, false);  
  
        return new ViewHolder(inflate);  
    }  
  
    @Override  
    public void onBindViewHolder(@NonNull ViewHolder holder, int position) {  
        holder.categoryName.setText(categoryDomains.get(position).getTitle());  
        String picUrl = "";  
        switch (position) {  
            case 0: {  
                picUrl = "cat_1";  
                holder.mainLayout.setBackground(ContextCompat.getDrawable(holder.itemView.getContext(),
```

```

R.drawable.category_background1));
        break;
    }
    case 1: {
        picUrl = "cat_2";
        holder.mainLayout.setBackground(ContextCompat.getDrawable(holder.itemView.getContext(),
R.drawable.category_background2));
        break;
    }
    case 2: {
        picUrl = "cat_3";
        holder.mainLayout.setBackground(ContextCompat.getDrawable(holder.itemView.getContext(),
R.drawable.category_background3));
        break;
    }
    case 3: {
        picUrl = "cat_4";
        holder.mainLayout.setBackground(ContextCompat.getDrawable(holder.itemView.getContext(),
R.drawable.category_background4));
        break;
    }
    case 4: {
        picUrl = "cat_5";
        holder.mainLayout.setBackground(ContextCompat.getDrawable(holder.itemView.getContext(),
R.drawable.category_background5));
        break;
    }
}

int drawableResourceId = holder.itemView.getContext().getResources().getIdentifier(picUrl, "drawable",
holder.itemView.getContext().getPackageName());

Glide.with(holder.itemView.getContext())
    .load(drawableResourceId)
    .into(holder.categoryPic);

}

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

public class ViewHolder extends RecyclerView.ViewHolder {
    TextView categoryName;

```

```

    ImageView categoryPic;
    ConstraintLayout mainLayout;

    public ViewHolder(@NonNull View itemView) {
        super(itemView);
        categoryName = itemView.findViewById(R.id.categoryName);
        categoryPic = itemView.findViewById(R.id.categoryPic);
        mainLayout = itemView.findViewById(R.id.mainLayout);
    }
}
}

```

C) PopularAdapter.java

```

package com.example.project.Adapter;

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

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

import com.bumptech.glide.Glide;
import com.example.project.Activity.ShowDetailActivity;
import com.example.project.Domain.FoodDomain;
import com.example.project.R;

import java.util.ArrayList;

public class PopularAdapter extends RecyclerView.Adapter<PopularAdapter.ViewHolder> {
    ArrayList<FoodDomain> foodDomains;

    public PopularAdapter(ArrayList<FoodDomain> FoodDomains) {
        this.foodDomains = FoodDomains;
    }

    @NonNull
    @Override
    public ViewHolder onCreateViewHolder(@NonNull ViewGroup parent, int viewType) {
        View inflate = LayoutInflater.from(parent.getContext()).inflate(R.layout.viewholder_popular, parent, false);
    }
}

```

```

        return new ViewHolder(inflate);
    }

    @Override
    public void onBindViewHolder(@NonNull ViewHolder holder, int position) {
        holder.title.setText(foodDomains.get(position).getTitle());
        holder.fee.setText(String.valueOf(foodDomains.get(position).getFee()));

        int drawableResourceId =
holder.itemView.getContext().getResources().getIdentifier(foodDomains.get(position).getPic(), "drawable",
holder.itemView.getContext().getPackageName());

        Glide.with(holder.itemView.getContext())
            .load(drawableResourceId)
            .into(holder.pic);

        holder.addBtn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent intent = new Intent(holder.itemView.getContext(), ShowDetailActivity.class);
                intent.putExtra("object", foodDomains.get(position));
                holder.itemView.getContext().startActivity(intent);
            }
        });
    }

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

    public class ViewHolder extends RecyclerView.ViewHolder {
        TextView title, fee;
        ImageView pic;
        TextView addBtn;

        public ViewHolder(@NonNull View itemView) {
            super(itemView);
            title = itemView.findViewById(R.id.title);
            fee = itemView.findViewById(R.id.fee);
            pic = itemView.findViewById(R.id.pic);
            addBtn = itemView.findViewById(R.id.addBtn);
        }
    }

```



```
}  
}  
}
```

Domain

A) Category Domain.java

```
package com.example.project.Domain;  
  
public class CategoryDomain {  
    private String title;  
    private String pic;  
  
    public CategoryDomain(String title, String pic) {  
        this.title = title;  
        this.pic = pic;  
    }  
  
    public String getTitle() {  
        return title;  
    }  
  
    public void setTitle(String title) {  
        this.title = title;  
    }  
  
    public String getPic() {  
        return pic;  
    }  
  
    public void setPic(String pic) {  
        this.pic = pic;  
    }  
}
```

B) Food Domain.java

```
package com.example.project.Domain;  
  
import java.io.Serializable;  
  
public class FoodDomain implements Serializable {  
    private String title;  
    private String pic;  
    private String description;
```

```
private Double fee;
private int numberInCart;

public FoodDomain(String title, String pic, String description, Double fee) {
    this.title = title;
    this.pic = pic;
    this.description = description;
    this.fee = fee;
}

public FoodDomain(String title, String pic, String description, Double fee, int numberInCart) {
    this.title = title;
    this.pic = pic;
    this.description = description;
    this.fee = fee;
    this.numberInCart = numberInCart;
}

public String getTitle() {
    return title;
}

public void setTitle(String title) {
    this.title = title;
}

public String getPic() {
    return pic;
}

public void setPic(String pic) {
    this.pic = pic;
}

public String getDescription() {
    return description;
}

public void setDescription(String description) {
    this.description = description;
}

public Double getFee() {
    return fee;
}
```

```

    public void setFee(Double fee) {
        this.fee = fee;
    }

    public int getNumberInCart() {
        return numberInCart;
    }

    public void setNumberInCart(int numberInCart) {
        this.numberInCart = numberInCart;
    }
}

```

Helper

A) ManagementCart.java

```

package com.example.project.Helper;

import android.content.Context;
import android.widget.Toast;

import com.example.project.Domain.FoodDomain;
import com.example.project.Interface.ChangeNumberItemsListener;

import java.util.ArrayList;

public class ManagementCart {
    private Context context;
    private TinyDB tinyDB;

    public ManagementCart(Context context) {
        this.context = context;
        this.tinyDB = new TinyDB(context);
    }

    public void insertFood(FoodDomain item) {
        ArrayList<FoodDomain> listFood = getListCard();
        boolean existAlready = false;
        int n = 0;
        for (int i = 0; i < listFood.size(); i++) {
            if (listFood.get(i).getTitle().equals(item.getTitle())) {
                existAlready = true;
                n = i;
                break;
            }
        }
    }
}

```

```

    }

    if (existAlready) {
        listFood.get(n).setNumberInCart(item.getNumberInCart());
    } else {
        listFood.add(item);
    }

    tinyDB.putListObject("CardList", listFood);
    Toast.makeText(context, "Added To Your Card", Toast.LENGTH_SHORT).show();

}

public ArrayList<FoodDomain> getListCard() {
    return tinyDB.getListObject("CardList");
}

public void plusNumberFood(ArrayList<FoodDomain> listfood, int position, ChangeNumberItemsListener
changeNumberItemsListener) {
    listfood.get(position).setNumberInCart(listfood.get(position).getNumberInCart() + 1);
    tinyDB.putListObject("CardList", listfood);
    changeNumberItemsListener.changed();
}

public void MinusNumerFood(ArrayList<FoodDomain> listfood, int position, ChangeNumberItemsListener
changeNumberItemsListener) {
    if (listfood.get(position).getNumberInCart() == 1) {
        listfood.remove(position);
    } else {
        listfood.get(position).setNumberInCart(listfood.get(position).getNumberInCart() - 1);
    }
    tinyDB.putListObject("CardList", listfood);
    changeNumberItemsListener.changed();
}

public Double getTotalFee() {
    ArrayList<FoodDomain> listFood2 = getListCard();
    double fee = 0;
    for (int i = 0; i < listFood2.size(); i++) {
        fee = fee + (listFood2.get(i).getFee() * listFood2.get(i).getNumberInCart());
    }
    return fee;
}
}

```

B) TinyDB.java

```
package com.example.project.Helper;

import android.content.Context;
import android.content.SharedPreferences;
import android.graphics.Bitmap;
import android.graphics.Bitmap.CompressFormat;
import android.graphics.BitmapFactory;
import android.os.Environment;
import android.preference.PreferenceManager;
import android.text.TextUtils;
import android.util.Log;

import com.example.project.Domain.FoodDomain;
import com.google.gson.Gson;

import java.io.File;
import java.io.FileOutputStream;
import java.io.IOException;
import java.util.ArrayList;
import java.util.Arrays;
import java.util.Map;

public class TinyDB {

    private SharedPreferences preferences;
    private String DEFAULT_APP_IMAGEDATA_DIRECTORY;
    private String lastImagePath = "";

    public TinyDB(Context appContext) {
        preferences = PreferenceManager.getDefaultSharedPreferences(appContext);
    }

    public Bitmap getImage(String path) {
        Bitmap bitmapFromPath = null;
        try {
            bitmapFromPath = BitmapFactory.decodeFile(path);
        } catch (Exception e) {
```

```

        // TODO: handle exception
        e.printStackTrace();
    }

    return bitmapFromPath;
}

public String getSavedImagePath() {
    return lastImagePath;
}

public String putImage(String theFolder, String theImageName, Bitmap theBitmap) {
    if (theFolder == null || theImageName == null || theBitmap == null)
        return null;

    this.DEFAULT_APP_IMAGE_DATA_DIRECTORY = theFolder;
    String mFullPath = setupFullPath(theImageName);

    if (!mFullPath.equals("")) {
        lastImagePath = mFullPath;
        saveBitmap(mFullPath, theBitmap);
    }

    return mFullPath;
}

public boolean putImageWithFullPath(String fullPath, Bitmap theBitmap) {
    return !(fullPath == null || theBitmap == null) && saveBitmap(fullPath, theBitmap);
}

private String setupFullPath(String imageName) {
    File mFolder = new File(Environment.getExternalStorageDirectory(),
DEFAULT_APP_IMAGE_DATA_DIRECTORY);

    if (isExternalStorageReadable() && isExternalStorageWritable() && !mFolder.exists()) {
        if (!mFolder.mkdirs()) {
            Log.e("ERROR", "Failed to setup folder");
            return "";
        }
    }
}

```

```

    }
}

return mFolder.getPath() + '/' + imageName;
}

private boolean saveBitmap(String fullPath, Bitmap bitmap) {
    if (fullPath == null || bitmap == null)
        return false;

    boolean fileCreated = false;
    boolean bitmapCompressed = false;
    boolean streamClosed = false;

    File imageFile = new File(fullPath);

    if (imageFile.exists())
        if (!imageFile.delete())
            return false;

    try {
        fileCreated = imageFile.createNewFile();

    } catch (IOException e) {
        e.printStackTrace();
    }

    FileOutputStream out = null;
    try {
        out = new FileOutputStream(imageFile);
        bitmapCompressed = bitmap.compress(CompressFormat.PNG, 100, out);

    } catch (Exception e) {
        e.printStackTrace();
        bitmapCompressed = false;
    }

    finally {
        if (out != null) {
            try {
                out.flush();
                out.close();
                streamClosed = true;
            } catch (IOException e) {

```

```

        e.printStackTrace();
        streamClosed = false;
    }
}

return (fileCreated && bitmapCompressed && streamClosed);
}

// Getters

public int getInt(String key) {
    return preferences.getInt(key, 0);
}

public ArrayList<Integer> getListInt(String key) {
    String[] myList = TextUtils.split(preferences.getString(key, ""), ",_");
    ArrayList<String> arrayToList = new ArrayList<String>(Arrays.asList(myList));
    ArrayList<Integer> newList = new ArrayList<Integer>();

    for (String item : arrayToList)
        newList.add(Integer.parseInt(item));

    return newList;
}

public long getLong(String key) {
    return preferences.getLong(key, 0);
}

public float getFloat(String key) {
    return preferences.getFloat(key, 0);
}

public double getDouble(String key) {
    String number = getString(key);

    try {
        return Double.parseDouble(number);
    }

```



```
    } catch (NumberFormatException e) {  
        return 0;  
    }  
}
```

```
public ArrayList<Double> getListDouble(String key) {  
    String[] myList = TextUtils.split(preferences.getString(key, ""), ",");  
    ArrayList<String> arrayToList = new ArrayList<String>(Arrays.asList(myList));  
    ArrayList<Double> newList = new ArrayList<Double>();  
  
    for (String item : arrayToList)  
        newList.add(Double.parseDouble(item));  
  
    return newList;  
}
```

```
public ArrayList<Long> getListLong(String key) {  
    String[] myList = TextUtils.split(preferences.getString(key, ""), ",");  
    ArrayList<String> arrayToList = new ArrayList<String>(Arrays.asList(myList));  
    ArrayList<Long> newList = new ArrayList<Long>();  
  
    for (String item : arrayToList)  
        newList.add(Long.parseLong(item));  
  
    return newList;  
}
```

```
public String getString(String key) {  
    return preferences.getString(key, "");  
}
```

```
public ArrayList<String> getListString(String key) {  
    return new ArrayList<String>(Arrays.asList(TextUtils.split(preferences.getString(key, ""), ",")));  
}
```

```
public boolean getBoolean(String key) {  
    return preferences.getBoolean(key, false);  
}
```

```

public ArrayList<Boolean> getListBoolean(String key) {
    ArrayList<String> myList = getListString(key);
    ArrayList<Boolean> newList = new ArrayList<Boolean>();

    for (String item : myList) {
        if (item.equals("true")) {
            newList.add(true);
        } else {
            newList.add(false);
        }
    }

    return newList;
}

public ArrayList<FoodDomain> getListObject(String key){
    Gson gson = new Gson();

    ArrayList<String> objStrings = getListString(key);
    ArrayList<FoodDomain> playerList = new ArrayList<FoodDomain>();

    for(String jsonObjString : objStrings){
        FoodDomain player = gson.fromJson(jsonObjString, FoodDomain.class);
        playerList.add(player);
    }
    return playerList;
}

public <T> T getObject(String key, Class<T> classOfT){

    String json = getString(key);
    Object value = new Gson().fromJson(json, classOfT);
    if (value == null)
        throw new NullPointerException();
    return (T)value;
}

// Put methods

public void putInt(String key, int value) {

```

```
    checkForNullKey(key);  
    preferences.edit().putInt(key, value).apply();  
}
```

```
public void putListInt(String key, ArrayList<Integer> intList) {  
    checkForNullKey(key);  
    Integer[] myIntList = intList.toArray(new Integer[intList.size()]);  
    preferences.edit().putString(key, TextUtils.join(", ", myIntList)).apply();  
}
```

```
public void putLong(String key, long value) {  
    checkForNullKey(key);  
    preferences.edit().putLong(key, value).apply();  
}
```

```
public void putListLong(String key, ArrayList<Long> longList) {  
    checkForNullKey(key);  
    Long[] myLongList = longList.toArray(new Long[longList.size()]);  
    preferences.edit().putString(key, TextUtils.join(", ", myLongList)).apply();  
}
```

```
public void putFloat(String key, float value) {  
    checkForNullKey(key);  
    preferences.edit().putFloat(key, value).apply();  
}
```

```
public void putDouble(String key, double value) {  
    checkForNullKey(key);  
    putString(key, String.valueOf(value));  
}
```

```
public void putListDouble(String key, ArrayList<Double> doubleList) {  
    checkForNullKey(key);  
    Double[] myDoubleList = doubleList.toArray(new Double[doubleList.size()]);  
    preferences.edit().putString(key, TextUtils.join(", ", myDoubleList)).apply();  
}
```

```
public void putString(String key, String value) {  
    checkForNullKey(key); checkForNullValue(value);  
}
```

```

        preferences.edit().putString(key, value).apply();
    }

    public void putListString(String key, ArrayList<String> stringList) {
        checkForNullKey(key);
        String[] myStringList = stringList.toArray(new String[stringList.size()]);
        preferences.edit().putString(key, TextUtils.join("_", myStringList)).apply();
    }

    public void putBoolean(String key, boolean value) {
        checkForNullKey(key);
        preferences.edit().putBoolean(key, value).apply();
    }

    public void putListBoolean(String key, ArrayList<Boolean> boolList) {
        checkForNullKey(key);
        ArrayList<String> newList = new ArrayList<String>();

        for (Boolean item : boolList) {
            if (item) {
                newList.add("true");
            } else {
                newList.add("false");
            }
        }

        putListString(key, newList);
    }

    public void putObject(String key, Object obj){
        checkForNullKey(key);
        Gson gson = new Gson();
        putString(key, gson.toJson(obj));
    }

    public void putListObject(String key, ArrayList<FoodDomain> playerList){
        checkForNullKey(key);
        Gson gson = new Gson();
        ArrayList<String> objStrings = new ArrayList<String>();
        for(FoodDomain player: playerList){
            objStrings.add(gson.toJson(player));
        }
    }

```

```
}
putListString(key, objStrings);
}

public void remove(String key) {
    preferences.edit().remove(key).apply();
}

public boolean deleteImage(String path) {
    return new File(path).delete();
}

public void clear() {
    preferences.edit().clear().apply();
}

public Map<String, ?> getAll() {
    return preferences.getAll();
}

public void registerOnSharedPreferenceChangeListener(
    SharedPreferences.OnSharedPreferenceChangeListener listener) {

    preferences.registerOnSharedPreferenceChangeListener(listener);
}

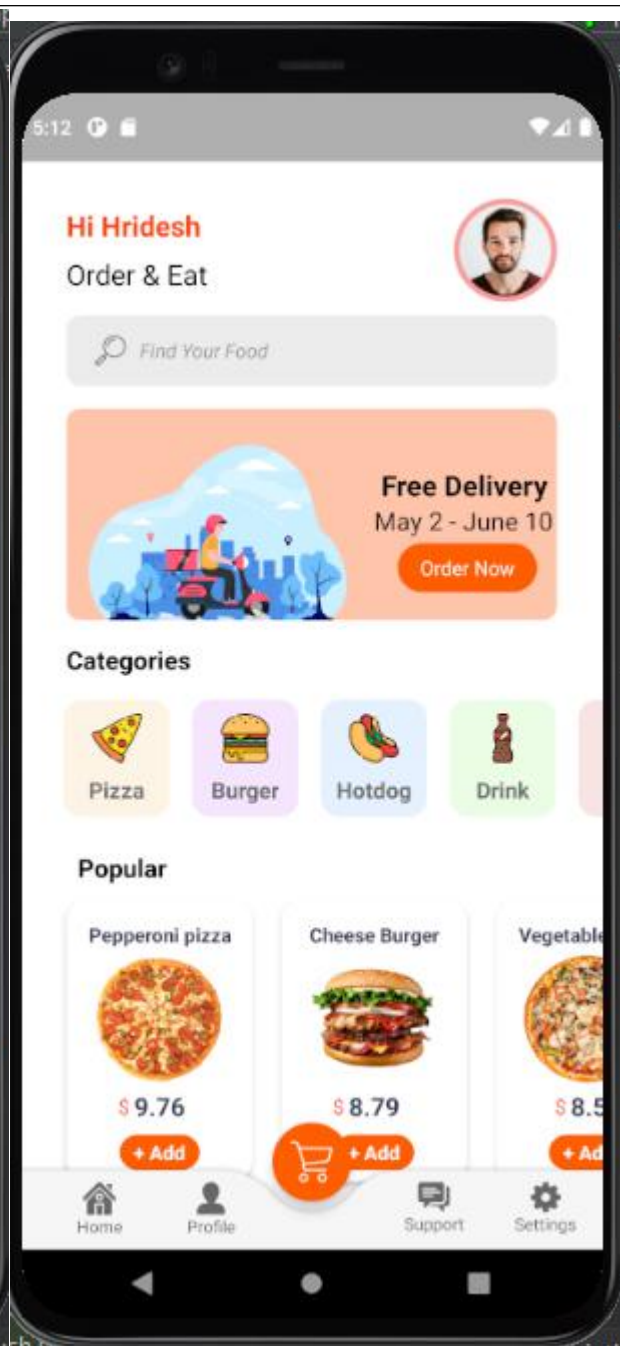
public void unregisterOnSharedPreferenceChangeListener(
    SharedPreferences.OnSharedPreferenceChangeListener listener) {

    preferences.unregisterOnSharedPreferenceChangeListener(listener);
}

public static boolean isExternalStorageWritable() {
    return Environment.MEDIA_MOUNTED.equals(Environment.getExternalStorageState());
}
```

```
public static boolean isExternalStorageReadable() {  
    String state = Environment.getExternalStorageState();  
  
    return Environment.MEDIA_MOUNTED.equals(state) ||  
        Environment.MEDIA_MOUNTED_READ_ONLY.equals(state);  
}  
  
private void checkForNullKey(String key){  
    if (key == null){  
        throw new NullPointerException();  
    }  
}  
  
private void checkForNullValue(String value){  
    if (value == null){  
        throw new NullPointerException();  
    }  
}  
}
```

OUTPUT:



5:13

Pepperoni pizza

\$9.76



- 2 +

slices pepperoni ,mozzarella cheese,
fresh oregano, ground black pepper,
pizza sauce

Add to Card

5:13

Cheese Burger

\$8.79



- 1 +


beef, Gouda Cheese, Special sauce,
Lettuce, tomato

Add to Card

5:14

Cheese Burger

\$8.79



-

1

+


beef, Gouda Cheese, Special sauce,
Lettuce, tomato

Added To Your Card

5:14

Vegetable pizza

\$8.5



-

1

+

olive oil, Vegetable oil, pitted Kalamata,
cherry tomatoes, fresh oregano, basil

Add to Card

