

Ain Shams University Faculty of Engineering



Mobile Programming

CSE431

Project – Final

Orderaty App



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18P9565

XML

1.1 Main Activity

H

```
<?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=".MainActivity"
android:background="#006666"
>

<androidx.cardview.widget.CardView
    android:id="@+id/cardview"
    android:layout_width="371dp"
    android:layout_height="350dp"
    android:layout_marginStart="20dp"
    android:layout_marginTop="83dp"
    android:layout_marginEnd="20dp"
    android:elevation="8dp"
    app:cardCornerRadius="12dp"
    android:layout_marginBottom="83dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
>

<androidx.constraintlayout.widget.ConstraintLayout
    android:layout_width="match_parent"
    android:layout_height="match_parent">

    <TextView
        android:id="@+id/editTextTextPersonName2"
        android:layout_width="152dp"
        android:layout_height="52dp"
        android:layout_marginStart="80dp"
        android:layout_marginTop="28dp"
        android:layout_marginEnd="81dp"
        android:background="#006666"
        android:ems="10"
        android:inputType="textPersonName"
```

```

        android:text="Orderaty"
        android:textAlignment="center"
        android:textColor="#ffffff"
        android:textSize="30sp"
        android:textStyle="bold"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        android:autofillHints="" />

<TextView
    android:id="@+id/textView4"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="4dp"
    android:text="Order Now"
    android:textColor="#006666"
    android:textSize="35sp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.502"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/imageView" />

<ImageView
    android:id="@+id/imageView"
    android:layout_width="183dp"
    android:layout_height="183dp"
    android:layout_marginStart="94dp"
    android:layout_marginTop="20dp"
    android:layout_marginEnd="94dp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.0"
    app:layout_constraintStart_toStartOf="parent"

app:layout_constraintTop_toBottomOf="@+id/editTextTextPersonName2"
    app:srcCompat="@mipmap/deliveryman"
/>

</androidx.constraintlayout.widget.ConstraintLayout>
</androidx.cardview.widget.CardView>

<androidx.appcompat.widget.AppCompatButton
    android:id="@+id/createaccountbtn"
    android:layout_width="280dp"
    android:layout_height="45dp"
    android:layout_marginTop="20dp"
    android:background="@drawable/custom_btn2"
    android:text="Create Account"
    android:textColor="#006666"
    android:textSize="20sp"
    android:textStyle="bold"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.496"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/cardview" />

```

```

<androidx.appcompat.widget.AppCompatButton
    android:id="@+id/signinbtn"
    android:layout_width="280dp"
    android:layout_height="45dp"
    android:layout_marginBottom="44dp"
    android:background="@drawable/custom_btn2"
    android:text="Sign In"
    android:textColor="#006666"
    android:textSize="20sp"
    android:textStyle="bold"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.488"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/createaccountbtn" />

<TextView
    android:id="@+id/textView"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="67dp"
    android:layout_marginTop="82dp"
    android:layout_marginEnd="67dp"
    android:text="Welcome"
    android:textColor="#FFFFFF"
    android:textSize="50sp"
    android:textStyle="bold"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />

</androidx.constraintlayout.widget.ConstraintLayout>

```

1.2 Create Account

G

```

<?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=".MainActivity"
    android:background="#006666"
    >

    <androidx.cardview.widget.CardView
        android:id="@+id/cardview"
        android:layout_width="371dp"
        android:layout_height="350dp"

```

```

        android:layout_marginStart="20dp"
        android:layout_marginTop="83dp"
        android:layout_marginEnd="20dp"
        android:elevation="8dp"
        app:cardCornerRadius="12dp"
        android:layout_marginBottom="83dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
    >

```

```

<androidx.constraintlayout.widget.ConstraintLayout
    android:layout_width="match_parent"
    android:layout_height="match_parent">

```

```

    <TextView
        android:id="@+id/editTextTextPersonName2"
        android:layout_width="152dp"
        android:layout_height="52dp"
        android:layout_marginStart="80dp"
        android:layout_marginTop="28dp"
        android:layout_marginEnd="81dp"
        android:background="#006666"
        android:ems="10"
        android:inputType="textPersonName"
        android:text="Orderaty"
        android:textAlignment="center"
        android:textColor="#ffffff"
        android:textSize="30sp"
        android:textStyle="bold"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        android:autofillHints="" />

```

```

    <TextView
        android:id="@+id/textView4"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="4dp"
        android:text="Order Now"
        android:textColor="#006666"
        android:textSize="35sp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.502"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/imageView" />

```

```

    <ImageView
        android:id="@+id/imageView"
        android:layout_width="183dp"
        android:layout_height="183dp"
        android:layout_marginStart="94dp"
        android:layout_marginTop="20dp"
        android:layout_marginEnd="94dp"

```

```

        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.0"
        app:layout_constraintStart_toStartOf="parent"

app:layout_constraintTop_toBottomOf="@+id/editTextTextPersonName2"
        app:srcCompat="@mipmap/deliveryman"
    />

</androidx.constraintlayout.widget.ConstraintLayout>
</androidx.cardview.widget.CardView>

<androidx.appcompat.widget.AppCompatButton
    android:id="@+id/createaccountbtn"
    android:layout_width="280dp"
    android:layout_height="45dp"
    android:layout_marginTop="20dp"
    android:background="@drawable/custom_btn2"
    android:text="Create Account"
    android:textColor="#006666"
    android:textSize="20sp"
    android:textStyle="bold"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.496"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/cardview" />

<androidx.appcompat.widget.AppCompatButton
    android:id="@+id/signinbtn"
    android:layout_width="280dp"
    android:layout_height="45dp"
    android:layout_marginBottom="44dp"
    android:background="@drawable/custom_btn2"
    android:text="Sign In"
    android:textColor="#006666"
    android:textSize="20sp"
    android:textStyle="bold"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.488"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/createaccountbtn" />

<TextView
    android:id="@+id/textView"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="67dp"
    android:layout_marginTop="82dp"
    android:layout_marginEnd="67dp"
    android:text="Welcome"
    android:textColor="#FFFFFF"
    android:textSize="50sp"
    android:textStyle="bold"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />

```

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

1.3 Sign In

B

```
<?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=".MainActivity"
    android:background="#006666"
    >
```

```
<androidx.cardview.widget.CardView
    android:id="@+id/cardview"
    android:layout_width="371dp"
    android:layout_height="650dp"
    android:layout_marginStart="20dp"
    android:layout_marginTop="83dp"
    android:layout_marginEnd="20dp"
    android:elevation="8dp"
    app:cardCornerRadius="12dp"
    android:layout_marginBottom="83dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    >

    <androidx.constraintlayout.widget.ConstraintLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent">
```

```
        <TextView
            android:id="@+id/textView"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginTop="108dp"
            android:text="Sign In"
            android:textColor="#006666"
```

```

        android:textSize="30sp"
        android:textStyle="bold"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.498"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

<EditText
    android:id="@+id/name"
    android:layout_width="280dp"
    android:layout_height="55dp"
    android:layout_marginTop="28dp"
    android:background="@drawable/edtext_bg"
    android:ems="10"
    android:hint="Email"
    android:inputType="textEmailAddress"
    android:paddingStart="10dp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.494"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@id/textView"
    app:layout_editor_absoluteX="45dp"
    app:layout_editor_absoluteY="250dp" />

<EditText
    android:id="@+id/password2"
    android:layout_width="280dp"
    android:layout_height="55dp"
    android:layout_marginTop="8dp"
    android:background="@drawable/edtext_bg"
    android:ems="10"
    android:hint="Password"
    android:inputType="textPassword"
    android:paddingStart="10dp"
    app:layout_constraintEnd_toEndOf="@id/name"
    app:layout_constraintHorizontal_bias="0.0"
    app:layout_constraintStart_toStartOf="@id/name"
    app:layout_constraintTop_toBottomOf="@id/name"
    app:layout_editor_absoluteX="45dp"
    app:layout_editor_absoluteY="273dp" />

<androidx.appcompat.widget.AppCompatButton
    android:id="@+id/signn"
    android:layout_width="280dp"
    android:layout_height="55dp"
    android:layout_marginTop="8dp"
    android:background="@drawable/custom_btn"

    android:text="Sign In"
    android:textColor="#ffffff"
    app:layout_constraintEnd_toEndOf="@+id/password2"
    app:layout_constraintHorizontal_bias="0.0"
    app:layout_constraintStart_toStartOf="@+id/password2"
    app:layout_constraintTop_toBottomOf="@+id/textView2" />

<TextView
    android:id="@+id/textView2"

```



```

        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="12dp"
        android:text="Forgot Password"
        android:textColor="#006666"
        android:textSize="13sp"
        app:layout_constraintEnd_toEndOf="@+id/password2"
        app:layout_constraintHorizontal_bias="1.0"
        app:layout_constraintStart_toStartOf="@+id/password2"
        app:layout_constraintTop_toBottomOf="@+id/password2" />

```

```

<TextView
    android:id="@+id/create1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="30dp"
    android:text="Create New Account"
    android:textColor="#006666"
    android:textSize="20sp"
    android:textStyle="bold"
    app:layout_constraintEnd_toEndOf="@+id/signn"
    app:layout_constraintStart_toStartOf="@+id/signn"
    app:layout_constraintTop_toBottomOf="@+id/signn" />

```

```

<TextView
    android:id="@+id/editTextTextPersonName2"
    android:layout_width="152dp"
    android:layout_height="52dp"
    android:layout_marginStart="80dp"
    android:layout_marginTop="32dp"
    android:layout_marginEnd="81dp"
    android:layout_marginBottom="50dp"
    android:background="#006666"
    android:ems="10"
    android:inputType="textPersonName"
    android:text="Orderaty"
    android:textAlignment="center"
    android:textColor="#ffffff"
    android:textSize="30sp"
    android:textStyle="bold"
    app:layout_constraintBottom_toTopOf="@+id/textView"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.0" />

```

```

<androidx.appcompat.widget.AppCompatButton
    android:id="@+id/facebookbtn"
    android:layout_width="280dp"
    android:layout_height="35dp"
    android:layout_marginStart="45dp"

    android:layout_marginTop="7dp"
    android:layout_marginEnd="46dp"

    android:layout_marginBottom="59dp"
    android:background="@drawable/facebookbtn"

```

```

        android:text="Sign In with Facebook"
        android:textColor="#ffffff"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.0"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/Googlebtn"
        app:layout_constraintVertical_bias="0.138" />

<androidx.appcompat.widget.AppCompatButton
    android:id="@+id/Googlebtn"
    android:layout_width="280dp"
    android:layout_height="35dp"
    android:layout_marginStart="45dp"

    android:layout_marginTop="34dp"
    android:layout_marginEnd="46dp"

    android:background="@drawable/googlebtn"
    android:text="Sign In with Google"
    android:textColor="#ffffff"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/create1" />

</androidx.constraintlayout.widget.ConstraintLayout>
</androidx.cardview.widget.CardView>

</androidx.constraintlayout.widget.ConstraintLayout>

```

1.4 Welcome Page

B

```

<?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=".Restaurants">

    <ScrollView
        android:id="@+id/scrollView"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        app:layout_constraintStart_toStartOf="parent"
        tools:layout_editor_absoluteY="0dp">

```

```

<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="80dp"
    android:orientation="vertical">

    <androidx.constraintlayout.widget.ConstraintLayout
        android:id="@+id/constraintLayout2"
        android:layout_width="match_parent"
        android:layout_height="match_parent">

        <ImageView
            android:id="@+id/imageView2"
            android:layout_width="54dp"
            android:layout_height="41dp"
            android:layout_marginTop="20dp"
            android:layout_marginEnd="16dp"
            android:contentDescription="TODO"
            app:layout_constraintEnd_toEndOf="parent"
            app:layout_constraintTop_toTopOf="parent"
            app:srcCompat="@mipmap/usericon_foreground" />

        <TextView
            android:id="@+id/textView5"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginStart="16dp"
            android:layout_marginTop="16dp"
            android:layout_marginEnd="296dp"
            android:text="Hello Test!"
            android:textColor="#006666"
            android:textSize="12sp"
            android:textStyle="bold"
            app:layout_constraintEnd_toEndOf="parent"
            app:layout_constraintHorizontal_bias="0.0"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toTopOf="parent" />

        <TextView
            android:id="@+id/textView6"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginTop="52dp"
            android:text="Explore Restaurants!"
            android:textColor="#006666"
            android:textSize="16sp"
            android:textStyle="bold"
            app:layout_constraintEnd_toEndOf="parent"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toTopOf="parent" />

        <EditText
            android:id="@+id/editTextSearch"
            android:layout_width="379dp"
            android:layout_height="31dp"
            android:layout_marginStart="16dp"
            android:layout_marginTop="7dp"

```

```
    android:layout_marginEnd="16dp"
    android:background="@drawable/edtext_bg"
    android:drawableStart="@android:drawable/ic_menu_search"
    android:ems="10"
    android:hint="Search Restaurants"
    android:inputType="text"
    android:paddingStart="10dp"
    android:textSize="14sp"
    android:textStyle="italic"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView6"
    tools:ignore="TouchTargetSizeCheck" />
```

```
<androidx.constraintlayout.widget.ConstraintLayout
    android:id="@+id/constraintLayout"
    android:layout_width="388dp"
    android:layout_height="155dp"
    android:layout_marginStart="16dp"
    android:layout_marginTop="8dp"
    android:layout_marginEnd="16dp"
    android:background="@drawable/edtext_bg2"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.555"
    app:layout_constraintStart_toStartOf="parent"
```

```
    app:layout_constraintTop_toBottomOf="@+id/editTextSearch">
```

```
<ImageView
    android:id="@+id/imageView3"
    android:layout_width="191dp"
    android:layout_height="171dp"
    android:layout_marginStart="16dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.482"
    app:srcCompat="@mipmap/deliveryman" />
```

```
<TextView
    android:id="@+id/textView7"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="16dp"
    android:layout_marginEnd="16dp"
    android:text="Free Delivery"
    android:textColor="#FFFFFF"
    android:textSize="22sp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.487"
    app:layout_constraintStart_toEndOf="@+id/imageView3"
    app:layout_constraintTop_toTopOf="parent" />
```

```
<androidx.appcompat.widget.AppCompatButton
    android:id="@+id/Order_now"
    android:layout_width="180dp"
    android:layout_height="wrap_content"
```

```

        android:layout_marginTop="16dp"
        android:layout_marginEnd="16dp"
        android:background="@drawable/custom_btn"
        android:padding="5dp"
        android:text="Order Now"
        android:textColor="#ffffff"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.613"
        app:layout_constraintStart_toEndOf="@+id/imageView3"
        app:layout_constraintTop_toBottomOf="@+id/textView8"
        tools:ignore="TouchTargetSizeCheck" />

```

```

<TextView
    android:id="@+id/textView8"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="4dp"
    android:layout_marginEnd="16dp"
    android:text="On your first order"
    android:textColor="#035151"
    android:textSize="16dp"
    android:textStyle="bold|italic"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toEndOf="@+id/imageView3"
    app:layout_constraintTop_toBottomOf="@+id/textView7"

```

/>

```

</androidx.constraintlayout.widget.ConstraintLayout>

```

```

</androidx.constraintlayout.widget.ConstraintLayout>

```

```

<androidx.constraintlayout.widget.ConstraintLayout
    android:layout_width="match_parent"
    android:layout_height="230dp">

```

```

    <TextView
        android:id="@+id/textView9"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="16dp"
        android:layout_marginTop="4dp"
        android:text="Cusine"
        android:textColor="#006666"
        android:textSize="20sp"
        android:textStyle="bold"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

```

```

    <androidx.appcompat.widget.AppCompatButton
        android:id="@+id/browse"
        android:layout_width="280dp"
        android:layout_height="35dp"

        android:background="@drawable/custom_btn"
        android:text="Browse Restaurants"

```

/>

```
        android:textColor="#ffffff"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="@+id/recyclerView1"
        app:layout_constraintStart_toStartOf="@+id/recyclerView1"
        app:layout_constraintTop_toBottomOf="@+id/recyclerView1"

<androidx.recyclerview.widget.RecyclerView
    android:id="@+id/recyclerView1"
    android:layout_width="381dp"
    android:layout_height="160dp"
    android:layout_marginStart="16dp"
    android:layout_marginEnd="16dp"
    android:paddingRight="10dp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.0"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView9">

</androidx.recyclerview.widget.RecyclerView>
</androidx.constraintlayout.widget.ConstraintLayout>

<androidx.constraintlayout.widget.ConstraintLayout
    android:layout_width="match_parent"
    android:layout_height="200dp">

    <TextView
        android:id="@+id/textView10"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="16dp"
        android:layout_marginTop="4dp"
        android:text="Popular"
        android:textColor="#006666"
        android:textSize="20sp"
        android:textStyle="bold"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <androidx.recyclerview.widget.RecyclerView
        android:id="@+id/REE"
        android:layout_width="381dp"
        android:layout_height="160dp"
        android:layout_marginStart="16dp"
        android:layout_marginEnd="16dp"
        android:paddingRight="10dp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.0"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/textView10" />
    </androidx.recyclerview.widget.RecyclerView>
</androidx.constraintlayout.widget.ConstraintLayout>

</LinearLayout>
</ScrollView>

<androidx.coordinatorlayout.widget.CoordinatorLayout
```

```
android:layout_width="match_parent"
android:layout_height="85dp"
app:layout_constraintBottom_toBottomOf="@id/scrollView"
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="5dp"
    app:fabCradleRoundedCornerRadius="50dp"
    app:fabCradleVerticalOffset="5dp"
```

```
>
```

```
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="match_parent">
```

```
    <LinearLayout
        android:id="@+id/homebtn1"
        android:layout_width="0dp"
        android:layout_height="match_parent"
        android:layout_weight="0.2"
        android:orientation="vertical">
```

```
        <ImageView
            android:id="@+id/imagehome1"
            android:layout_width="match_parent"
            android:layout_height="25dp"
            android:layout_weight="1"
            app:srcCompat="@mipmap/home" />
```

```
        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Home"
            android:textAlignment="center"
            android:textColor="#006666"
            android:textSize="10sp" />
```

```
</LinearLayout>
```

```
    <LinearLayout
        android:id="@+id/homebtn3"
        android:layout_width="0dp"
        android:layout_height="match_parent"
        android:layout_weight="0.2"
        android:orientation="vertical">
```

```
        <ImageView
            android:id="@+id/imagehome3"
            android:layout_width="match_parent"
```

```

        android:layout_height="30dp"
        android:layout_weight="1"
        app:srcCompat="@mipmap/profile" />

        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Profile"
            android:textAlignment="center"
            android:textColor="#006666"
            android:textSize="10sp" />

    </LinearLayout>

    <LinearLayout
        android:id="@+id/homebtn4"
        android:layout_width="0dp"
        android:layout_height="match_parent"
        android:layout_weight="0.21"
        android:orientation="vertical">

        <ImageView
            android:id="@+id/imagehome4"
            android:layout_width="match_parent"
            android:layout_height="30dp"
            android:layout_weight="1"
            app:srcCompat="@mipmap/menu" />

        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Restaurants"
            android:textAlignment="center"
            android:textColor="#006666"
            android:textSize="10sp" />

    </LinearLayout>

</LinearLayout>

</com.google.android.material.bottomappbar.BottomAppBar>
</androidx.coordinatorlayout.widget.CoordinatorLayout>

<androidx.constraintlayout.widget.ConstraintLayout
    android:id="@+id/cart_RV"
    android:layout_width="70dp"
    android:layout_height="70dp"
    android:layout_marginEnd="10dp"
    android:layout_marginBottom="60dp"
    android:background="@drawable/cat_background4"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent">

    <ImageView
        android:id="@+id/imageView8"
        android:layout_width="wrap_content"

```



```

        android:layout_height="wrap_content"
        android:layout_marginBottom="8dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:srcCompat="@mipmap/cart" />
    </androidx.constraintlayout.widget.ConstraintLayout>

</androidx.constraintlayout.widget.ConstraintLayout>

```

m

1.5 Restaurants

M

```

<?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="#006666"

    tools:context=".Rest">

    <androidx.cardview.widget.CardView
        android:id="@+id/cardview"
        android:layout_width="368dp"
        android:layout_height="650dp"
        android:layout_marginStart="20dp"
        android:layout_marginTop="20dp"
        android:layout_marginEnd="20dp"
        android:elevation="8dp"
        app:cardCornerRadius="12dp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"

        >

        <androidx.constraintlayout.widget.ConstraintLayout
            android:layout_width="match_parent"
            android:layout_height="651dp">

            <EditText
                android:id="@+id/editTextSearch2"
                android:layout_width="340dp"
                android:layout_height="31dp"
                android:layout_marginTop="10dp"
                android:background="@drawable/edtext_bg"
                android:drawableStart="@android:drawable/ic_menu_search"

```

```

        android:ems="10"
        android:hint="Search Restaurants"
        android:inputType="text"
        android:paddingStart="10dp"
        android:textStyle="italic"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/resName"
        tools:ignore="TouchTargetSizeCheck" />

<androidx.recyclerview.widget.RecyclerView
    android:id="@+id/rest_RV"
    android:layout_width="364dp"
    android:layout_height="551dp"
    android:layout_marginTop="8dp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.0"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/editTextSearch2" />

<TextView
    android:id="@+id/resName"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="136dp"
    android:layout_marginTop="12dp"
    android:text="Restaurants"
    android:textColor="#006666"
    android:textSize="20dp"
    android:textStyle="bold"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />

</androidx.constraintlayout.widget.ConstraintLayout>

</androidx.cardview.widget.CardView>

<androidx.coordinatorlayout.widget.CoordinatorLayout
    android:layout_width="match_parent"
    android:layout_height="60dp"
    app:layout_constraintBottom_toBottomOf="parent"
    tools:layout_editor_absoluteX="0dp">

    <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:layout_marginBottom="2dp"
        android:backgroundTint="#f6f6f6"
        app:fabCradleMargin="8dp"
        app:fabCradleRoundedCornerRadius="50dp"

        app:fabCradleVerticalOffset="6dp">

```

```

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

    <LinearLayout
        android:id="@+id/homebtn1"
        android:layout_width="0dp"
        android:layout_height="match_parent"
        android:layout_weight="0.2"
        android:orientation="vertical">

        <ImageView
            android:id="@+id/imagehome1"
            android:layout_width="match_parent"
            android:layout_height="25dp"
            android:layout_weight="1"
            app:srcCompat="@mipmap/home" />

        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Home"
            android:textAlignment="center"
            android:textColor="#006666"
            android:textSize="12sp" />

    </LinearLayout>

    <LinearLayout
        android:id="@+id/homebtn2"
        android:layout_width="0dp"
        android:layout_height="match_parent"
        android:layout_weight="0.2"
        android:orientation="vertical">

        <ImageView
            android:id="@+id/imagehome2"
            android:layout_width="match_parent"
            android:layout_height="30dp"
            android:layout_weight="1"
            app:srcCompat="@mipmap/food" />

        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Dish"
            android:textAlignment="center"
            android:textColor="#006666"
            android:textSize="12sp" />

    </LinearLayout>

    <LinearLayout
        android:id="@+id/homebtn3"
        android:layout_width="0dp"
        android:layout_height="match_parent"

```

```

        android:layout_weight="0.2"
        android:orientation="vertical">

        <ImageView
            android:id="@+id/imagehome3"
            android:layout_width="match_parent"
            android:layout_height="30dp"
            android:layout_weight="1"
            app:srcCompat="@mipmap/profile" />

        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Profile"
            android:textAlignment="center"
            android:textColor="#006666"
            android:textSize="12sp" />

    </LinearLayout>

    <LinearLayout
        android:id="@+id/homebtn4"
        android:layout_width="0dp"
        android:layout_height="match_parent"
        android:layout_weight="0.2"
        android:orientation="vertical">

        <ImageView
            android:id="@+id/imagehome4"
            android:layout_width="match_parent"
            android:layout_height="30dp"
            android:layout_weight="1"
            app:srcCompat="@mipmap/menu" />

        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Restaurants"
            android:textAlignment="center"
            android:textColor="#006666"
            android:textSize="12sp" />

    </LinearLayout>
</LinearLayout>

</com.google.android.material.bottomappbar.BottomAppBar>
</androidx.coordinatorlayout.widget.CoordinatorLayout>

</androidx.constraintlayout.widget.ConstraintLayout>

```

1.6 Menu

M

```
<?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="#006666"

    tools:context=".Rest">

    <androidx.cardview.widget.CardView
        android:id="@+id/cardview"
        android:layout_width="368dp"
        android:layout_height="650dp"
        android:layout_marginStart="20dp"
        android:layout_marginTop="20dp"
        android:layout_marginEnd="20dp"
        android:elevation="8dp"
        app:cardCornerRadius="12dp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"

    >

    <androidx.constraintlayout.widget.ConstraintLayout
        android:layout_width="match_parent"
        android:layout_height="651dp">

        <androidx.recyclerview.widget.RecyclerView
            android:id="@+id/dishess"
            android:layout_width="364dp"
            android:layout_height="551dp"
            android:layout_marginTop="44dp"
            app:layout_constraintEnd_toEndOf="parent"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toBottomOf="@+id/resName" />

        <TextView
            android:id="@+id/resName"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginStart="18dp"
            android:layout_marginTop="28dp"
```

```

        android:layout_marginEnd="102dp"
        android:text="Res Name"
        android:textColor="#006666"
        android:textSize="20dp"
        android:textStyle="bold"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toEndOf="@+id/resPic2"
        app:layout_constraintTop_toTopOf="parent" />

<ImageView
    android:id="@+id/resPic2"
    android:layout_width="50dp"
    android:layout_height="50dp"
    android:layout_marginStart="88dp"
    android:layout_marginTop="16dp"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:srcCompat="@mipmap/mac" />

</androidx.constraintlayout.widget.ConstraintLayout>

</androidx.cardview.widget.CardView>

<androidx.coordinatorlayout.widget.CoordinatorLayout
    android:layout_width="match_parent"
    android:layout_height="60dp"
    app:layout_constraintBottom_toBottomOf="parent"
    tools:layout_editor_absoluteX="0dp">

    <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:layout_marginBottom="2dp"
        android:backgroundTint="#f6f6f6"
        app:fabCradleMargin="8dp"
        app:fabCradleRoundedCornerRadius="50dp"

        app:fabCradleVerticalOffset="6dp">

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

            <LinearLayout
                android:id="@+id/homebtn1"
                android:layout_width="0dp"
                android:layout_height="match_parent"
                android:layout_weight="0.2"
                android:orientation="vertical">

                <ImageView
                    android:id="@+id/imagehome1"

```

```

        android:layout_width="match_parent"
        android:layout_height="25dp"
        android:layout_weight="1"
        app:srcCompat="@mipmap/home" />

<TextView
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Home"
    android:textAlignment="center"
    android:textColor="#006666"
    android:textSize="12sp" />

</LinearLayout>

<LinearLayout
    android:id="@+id/homebtn2"
    android:layout_width="0dp"
    android:layout_height="match_parent"
    android:layout_weight="0.2"
    android:orientation="vertical">

    <ImageView
        android:id="@+id/imagehome2"
        android:layout_width="match_parent"
        android:layout_height="30dp"
        android:layout_weight="1"
        app:srcCompat="@mipmap/food" />

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Dish"
        android:textAlignment="center"
        android:textColor="#006666"
        android:textSize="12sp" />

</LinearLayout>

<LinearLayout
    android:id="@+id/homebtn3"
    android:layout_width="0dp"
    android:layout_height="match_parent"
    android:layout_weight="0.2"
    android:orientation="vertical">

    <ImageView
        android:id="@+id/imagehome3"
        android:layout_width="match_parent"
        android:layout_height="30dp"
        android:layout_weight="1"
        app:srcCompat="@mipmap/profile" />

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Profile"

```

```

        android:textAlignment="center"
        android:textColor="#006666"
        android:textSize="12sp" />

</LinearLayout>

<LinearLayout
    android:id="@+id/homebtn4"
    android:layout_width="0dp"
    android:layout_height="match_parent"
    android:layout_weight="0.2"
    android:orientation="vertical">

    <ImageView
        android:id="@+id/imagehome4"
        android:layout_width="match_parent"
        android:layout_height="30dp"
        android:layout_weight="1"
        app:srcCompat="@mipmap/menu" />

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Restaurants"
        android:textAlignment="center"
        android:textColor="#006666"
        android:textSize="12sp" />

</LinearLayout>
</LinearLayout>

</com.google.android.material.bottomappbar.BottomAppBar>
</androidx.coordinatorlayout.widget.CoordinatorLayout>

<androidx.constraintlayout.widget.ConstraintLayout
    android:id="@+id/cart_RV"
    android:layout_width="70dp"
    android:layout_height="70dp"
    android:layout_marginEnd="10dp"
    android:layout_marginBottom="60dp"
    android:background="@drawable/cat_background4"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent">

    <ImageView
        android:id="@+id/imageView8"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        app:srcCompat="@mipmap/cart" />

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

```


,

```
<?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=".MainActivity"
    android:background="#006666"
>

<androidx.coordinatorlayout.widget.CoordinatorLayout
    android:layout_width="match_parent"
    android:layout_height="100dp"
    app:layout_constraintBottom_toBottomOf="parent"
    tools:layout_editor_absoluteX="0dp">

    <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:layout_marginBottom="2dp"
        android:backgroundTint="#f6f6f6"
        app:fabCradleMargin="8dp"
        app:fabCradleRoundedCornerRadius="50dp"

        app:fabCradleVerticalOffset="6dp">

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

            <LinearLayout
                android:id="@+id/homebtn1"
                android:layout_width="0dp"
                android:layout_height="match_parent"
                android:layout_weight="0.2"
                android:orientation="vertical">

                <ImageView
                    android:id="@+id/imagehome1"
                    android:layout_width="match_parent"
                    android:layout_height="25dp"
                    android:layout_weight="1"
                    app:srcCompat="@mipmap/home" />
            </LinearLayout>
        </LinearLayout>
    </com.google.android.material.bottomappbar.BottomAppBar>
</androidx.coordinatorlayout.widget.CoordinatorLayout>
</androidx.constraintlayout.widget.ConstraintLayout>
</?xml>
```

```
<TextView
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Home"
    android:textAlignment="center"
    android:textColor="#006666"
    android:textSize="12sp" />

</LinearLayout>

<LinearLayout
    android:id="@+id/homebtn2"
    android:layout_width="0dp"
    android:layout_height="match_parent"
    android:layout_weight="0.2"
    android:orientation="vertical">

    <ImageView
        android:id="@+id/imagehome2"
        android:layout_width="match_parent"
        android:layout_height="30dp"
        android:layout_weight="1"
        app:srcCompat="@mipmap/food" />

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Dish"
        android:textAlignment="center"
        android:textColor="#006666"
        android:textSize="12sp" />

</LinearLayout>

<LinearLayout
    android:id="@+id/homebtn3"
    android:layout_width="0dp"
    android:layout_height="match_parent"
    android:layout_weight="0.2"
    android:orientation="vertical">

    <ImageView
        android:id="@+id/imagehome3"
        android:layout_width="match_parent"
        android:layout_height="30dp"
        android:layout_weight="1"
        app:srcCompat="@mipmap/profile" />

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Profile"
        android:textAlignment="center"
        android:textColor="#006666"
        android:textSize="12sp" />

</LinearLayout>
```

```

        <LinearLayout
            android:id="@+id/homebtn4"
            android:layout_width="0dp"
            android:layout_height="match_parent"
            android:layout_weight="0.2"
            android:orientation="vertical">

            <ImageView
                android:id="@+id/imagehome4"
                android:layout_width="match_parent"
                android:layout_height="30dp"
                android:layout_weight="1"
                app:srcCompat="@mipmap/menu" />

            <TextView
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:text="Restaurants"
                android:textAlignment="center"
                android:textColor="#006666"
                android:textSize="12sp" />

        </LinearLayout>
    </LinearLayout>

</com.google.android.material.bottomappbar.BottomAppBar>
</androidx.coordinatorlayout.widget.CoordinatorLayout>

<androidx.cardview.widget.CardView
    android:id="@+id/cardview"
    android:layout_width="371dp"
    android:layout_height="640dp"
    android:layout_marginStart="20dp"
    android:layout_marginTop="32dp"
    android:layout_marginEnd="20dp"
    android:elevation="8dp"
    app:cardCornerRadius="12dp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent">

    <androidx.constraintlayout.widget.ConstraintLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent">

        <TextView
            android:id="@+id/textView"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginTop="16dp"
            android:text="McDonald's"
            android:textColor="#006666"
            android:textSize="20sp"
            android:textStyle="bold"

```

```
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.513"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent" />
```

```
<androidx.appcompat.widget.AppCompatButton
    android:id="@+id/create"
    android:layout_width="280dp"
    android:layout_height="55dp"
    android:layout_marginStart="44dp"

    android:layout_marginTop="16dp"
    android:layout_marginEnd="47dp"
    android:background="@drawable/custom_btn"
    android:text="Add to Cart"
    android:textColor="#ffffff"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="1.0"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView12" />
```

```
<ImageView
    android:id="@+id/imageView4"
    android:layout_width="316dp"
    android:layout_height="154dp"
    android:layout_marginTop="15dp"
    android:background="@drawable/edtext_bg"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/imageView5"
    app:srcCompat="@mipmap/mushroom" />
```

```
<TextView
    android:id="@+id/textView11"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="83dp"
    android:layout_marginTop="22dp"
    android:layout_marginEnd="83dp"
    android:text="Mushroom Beef"
    android:textSize="20sp"
    android:textStyle="bold"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/imageView4" />
```

```
<ImageView
    android:id="@+id/imageView5"
    android:layout_width="52dp"
    android:layout_height="65dp"
    android:layout_marginStart="58dp"
    android:layout_marginTop="4dp"
    android:layout_marginEnd="28dp"
    app:layout_constraintEnd_toStartOf="@+id/textView"
    app:layout_constraintHorizontal_bias="0.166"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
```

```

        app:srcCompat="@mipmap/macc" />

<TextView
    android:id="@+id/textView12"
    android:layout_width="48dp"
    android:layout_height="34dp"
    android:layout_marginTop="5dp"
    android:text="1"
    android:textAlignment="center"
    android:textSize="18dp"
    app:layout_constraintEnd_toStartOf="@+id/appCompatButton2"
    app:layout_constraintHorizontal_bias="0.0"
    app:layout_constraintStart_toEndOf="@+id/appCompatButton3"
    app:layout_constraintTop_toBottomOf="@+id/radioGroup" />

<androidx.appcompat.widget.AppCompatButton
    android:id="@+id/appCompatButton3"
    android:layout_width="34dp"
    android:layout_height="34dp"
    android:layout_marginStart="44dp"

    android:layout_marginTop="5dp"
    android:layout_marginEnd="47dp"
    android:background="@drawable/custom_btn"
    android:text="-"
    android:textColor="#ffffff"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.337"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/radioGroup" />

<androidx.appcompat.widget.AppCompatButton
    android:id="@+id/appCompatButton2"
    android:layout_width="34dp"
    android:layout_height="34dp"
    android:layout_marginStart="44dp"

    android:layout_marginTop="5dp"
    android:layout_marginEnd="47dp"
    android:background="@drawable/custom_btn"
    android:text="+"
    android:textColor="#ffffff"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.67"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/radioGroup" />

<RadioGroup
    android:id="@+id/radioGroup"
    android:layout_width="300dp"
    android:layout_height="wrap_content"
    app:layout_constraintBottom_toTopOf="@+id/textView12"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView11">

    <RadioButton

```

```

        android:id="@+id/radioButton"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Drink Only"
        android:textColorHighlight="#009688"
        android:textColorLink="#006666" />

<RadioButton
    android:id="@+id/radioButton2"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Combo Small" />

<RadioButton
    android:id="@+id/radioButton3"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Combo Medium" />

<RadioButton
    android:id="@+id/radioButton4"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Combo Large" />
</RadioGroup>

</androidx.constraintlayout.widget.ConstraintLayout>
</androidx.cardview.widget.CardView>

</androidx.constraintlayout.widget.ConstraintLayout>

```

1.8 Cart

```

<?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="#006666"
    tools:context=".Cart">

    <androidx.appcompat.widget.AppCompatButton
        android:id="@+id/confirm"
        android:layout_width="368dp"
        android:layout_height="45dp"
        android:layout_marginTop="5dp"

```

```
    android:background="@drawable/custom_btn2"
    android:text="Complete Order"
    android:textColor="#006666"
    android:textSize="20sp"
    android:textStyle="bold"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.488"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/orderprice" />
```

```
<androidx.cardview.widget.CardView
    android:id="@+id/cardview"
    android:layout_width="380dp"
    android:layout_height="470dp"
    android:layout_marginStart="20dp"
    android:layout_marginTop="20dp"
    android:layout_marginEnd="20dp"
    android:elevation="8dp"
    app:cardCornerRadius="12dp"
    app:layout_constraintEnd_toEndOf="parent"

    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent">
```

```
<androidx.constraintlayout.widget.ConstraintLayout
    android:layout_width="match_parent"
    android:layout_height="match_parent">
```

```
<TextView
    android:id="@+id/resName"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="4dp"
    android:text="Cart"
    android:textColor="#006666"
    android:textSize="24dp"
    android:textStyle="bold"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.513"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />
```

```
<androidx.recyclerview.widget.RecyclerView
    android:id="@+id/cart_RV"
    android:layout_width="match_parent"
    android:layout_height="390dp"
    android:layout_marginTop="8dp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/resName" />
```

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

```

</androidx.cardview.widget.CardView>

<androidx.constraintlayout.widget.ConstraintLayout
    android:id="@+id/orderprice"
    android:layout_width="375dp"
    android:layout_height="123dp"

    android:layout_marginLeft="5dp"
    android:layout_marginRight="5dp"
    android:background="@drawable/cat_background5"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/cardview">

    <TextView
        android:id="@+id/textView29"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="80dp"
        android:layout_marginBottom="4dp"
        android:text="Total:"
        android:textStyle="bold"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintStart_toStartOf="parent" />

    <TextView
        android:id="@+id/textView30"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="80dp"
        android:text="Delivery:"
        android:textStyle="bold"
        app:layout_constraintBottom_toTopOf="@+id/textView34"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/textView28" />

    <TextView
        android:id="@+id/textView33"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginEnd="80dp"
        android:text="100"
        app:layout_constraintBottom_toTopOf="@+id/textView35"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/subtotal" />

    <TextView
        android:id="@+id/subtotal"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="4dp"
        android:layout_marginEnd="80dp"
        android:text="0"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <TextView

```



```

        android:id="@+id/textView28"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="80dp"
        android:layout_marginTop="4dp"
        android:text="Subtotal:"
        android:textStyle="bold"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

<TextView
    android:id="@+id/total"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginEnd="80dp"
    android:layout_marginBottom="4dp"
    android:text="0"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent" />

<TextView
    android:id="@+id/textView34"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="80dp"
    android:text="Tax"
    android:textStyle="bold"
    app:layout_constraintBottom_toTopOf="@+id/textView29"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView30" />

<TextView
    android:id="@+id/textView35"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginEnd="80dp"
    android:text="12"
    app:layout_constraintBottom_toTopOf="@+id/total"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView33" />

<TextView
    android:id="@+id/textView3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="15dp"
    android:layout_marginTop="5dp"
    android:text="EGP"
    app:layout_constraintStart_toEndOf="@+id/subtotal"
    app:layout_constraintTop_toTopOf="parent" />

<TextView
    android:id="@+id/textView13"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="15dp"
    android:layout_marginTop="12dp"

```

```

        android:text="EGP"
        app:layout_constraintStart_toEndOf="@+id/textView33"
        app:layout_constraintTop_toBottomOf="@+id/textView3" />

<TextView
    android:id="@+id/textView15"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="15dp"
    android:layout_marginTop="12dp"
    android:text="EGP"
    app:layout_constraintStart_toEndOf="@+id/textView35"
    app:layout_constraintTop_toBottomOf="@+id/textView13" />

<TextView
    android:id="@+id/textView16"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="15dp"
    android:layout_marginTop="13dp"
    android:text="EGP"
    app:layout_constraintStart_toEndOf="@+id/total"
    app:layout_constraintTop_toBottomOf="@+id/textView15" />

</androidx.constraintlayout.widget.ConstraintLayout>

<androidx.coordinatorlayout.widget.CoordinatorLayout
    android:id="@+id/coordinatorLayout"
    android:layout_width="match_parent"
    android:layout_height="65dp"
    app:layout_constraintBottom_toBottomOf="parent"
    tools:layout_editor_absoluteX="0dp">

    <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:layout_marginBottom="2dp"
        android:backgroundTint="#f6f6f6"
        app:fabCradleMargin="8dp"
        app:fabCradleRoundedCornerRadius="50dp"

        app:fabCradleVerticalOffset="6dp">

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

            <LinearLayout
                android:id="@+id/homebtn1"
                android:layout_width="0dp"
                android:layout_height="match_parent"
                android:layout_weight="0.2"
                android:orientation="vertical">

```

```

<ImageView
    android:id="@+id/imagehome1"
    android:layout_width="match_parent"
    android:layout_height="25dp"
    android:layout_weight="1"
    app:srcCompat="@mipmap/home" />

<TextView
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Home"
    android:textAlignment="center"
    android:textColor="#006666"
    android:textSize="12sp" />

</LinearLayout>

<LinearLayout
    android:id="@+id/homebtn3"
    android:layout_width="0dp"
    android:layout_height="match_parent"
    android:layout_weight="0.2"
    android:orientation="vertical">

    <ImageView
        android:id="@+id/imagehome3"
        android:layout_width="match_parent"
        android:layout_height="30dp"
        android:layout_weight="1"
        app:srcCompat="@mipmap/profile" />

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Profile"
        android:textAlignment="center"
        android:textColor="#006666"
        android:textSize="12sp" />

</LinearLayout>

<LinearLayout
    android:id="@+id/homebtn4"
    android:layout_width="0dp"
    android:layout_height="match_parent"
    android:layout_weight="0.2"
    android:orientation="vertical">

    <ImageView
        android:id="@+id/imagehome4"
        android:layout_width="match_parent"
        android:layout_height="30dp"
        android:layout_weight="1"
        app:srcCompat="@mipmap/menu" />

    <TextView
        android:layout_width="match_parent"

```

```

        android:layout_height="wrap_content"
        android:text="Restaurants"
        android:textAlignment="center"
        android:textColor="#006666"
        android:textSize="12sp" />

    </LinearLayout>
</LinearLayout>

    </com.google.android.material.bottomappbar.BottomAppBar>
</androidx.coordinatorlayout.widget.CoordinatorLayout>

</androidx.constraintlayout.widget.ConstraintLayout>

```

1.9 Profile

```

,

<?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="#006666"
tools:context=".Profile"
>

    <androidx.cardview.widget.CardView
        android:id="@+id/cardview"
        android:layout_width="371dp"
        android:layout_height="510dp"
        android:layout_marginStart="20dp"
        android:layout_marginTop="40dp"
        android:layout_marginEnd="20dp"
        android:elevation="8dp"
        app:cardCornerRadius="12dp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
    >

        <androidx.constraintlayout.widget.ConstraintLayout
            android:layout_width="match_parent"
            android:layout_height="match_parent">

```

```
<TextView
    android:id="@+id/textView14"
    android:layout_width="337dp"
    android:layout_height="35dp"
    android:layout_marginStart="56dp"
    android:layout_marginTop="37dp"
    android:layout_marginEnd="57dp"
    android:background="@drawable/edtext_bg"
    android:drawableStart="@android:drawable/ic_dialog_email"
    android:paddingStart="15dp"
    android:text="test@test.com"
    android:textAlignment="center"
    android:textSize="18dp"
    android:textStyle="italic"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.493"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />
```

```
<androidx.recyclerview.widget.RecyclerView
    android:id="@+id/order_history_rv"
    android:layout_width="350dp"
    android:layout_height="209dp"
    android:layout_marginStart="16dp"
    android:layout_marginTop="13dp"
    android:layout_marginEnd="16dp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/resName" />
```

```
<TextView
    android:id="@+id/resName"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="164dp"
    android:layout_marginTop="52dp"
    android:layout_marginEnd="164dp"
    android:text="Orders"
    android:textColor="#006666"
    android:textStyle="bold"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.0"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView14" />
```

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

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

```
<androidx.coordinatorlayout.widget.CoordinatorLayout
    android:layout_width="match_parent"
    android:layout_height="100dp"
    app:layout_constraintBottom_toBottomOf="parent"
    tools:layout_editor_absoluteX="0dp">
```

```

<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:layout_marginBottom="2dp"
    android:backgroundTint="#f6f6f6"
    app:fabCradleMargin="8dp"
    app:fabCradleRoundedCornerRadius="50dp"

    app:fabCradleVerticalOffset="6dp">

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

        <LinearLayout
            android:id="@+id/homebtn1"
            android:layout_width="0dp"
            android:layout_height="match_parent"
            android:layout_weight="0.2"
            android:orientation="vertical">

            <ImageView
                android:id="@+id/imagehome1"
                android:layout_width="match_parent"
                android:layout_height="25dp"
                android:layout_weight="1"
                app:srcCompat="@mipmap/home" />

            <TextView
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:text="Home"
                android:textAlignment="center"
                android:textColor="#006666"
                android:textSize="12sp" />

        </LinearLayout>

        <LinearLayout
            android:id="@+id/homebtn3"
            android:layout_width="0dp"
            android:layout_height="match_parent"
            android:layout_weight="0.2"
            android:orientation="vertical">

            <ImageView
                android:id="@+id/imagehome3"
                android:layout_width="match_parent"
                android:layout_height="30dp"
                android:layout_weight="1"
                app:srcCompat="@mipmap/profile" />

            <TextView

```

```

        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Profile"
        android:textAlignment="center"
        android:textColor="#006666"
        android:textSize="12sp" />

</LinearLayout>

<LinearLayout
    android:id="@+id/homebtn4"
    android:layout_width="0dp"
    android:layout_height="match_parent"
    android:layout_weight="0.2"
    android:orientation="vertical">

    <ImageView
        android:id="@+id/imagehome4"
        android:layout_width="match_parent"
        android:layout_height="30dp"
        android:layout_weight="1"
        app:srcCompat="@mipmap/menu" />

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Restaurants"
        android:textAlignment="center"
        android:textColor="#006666"
        android:textSize="12sp" />

</LinearLayout>
</LinearLayout>

</com.google.android.material.bottomappbar.BottomAppBar>
</androidx.coordinatorlayout.widget.CoordinatorLayout>

<androidx.constraintlayout.widget.ConstraintLayout
    android:id="@+id/cart_RV"
    android:layout_width="70dp"
    android:layout_height="70dp"
    android:layout_marginEnd="10dp"
    android:layout_marginBottom="60dp"
    android:background="@drawable/cat_background4"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent">

    <ImageView
        android:id="@+id/imageView8"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        app:srcCompat="@mipmap/cart" />
</androidx.constraintlayout.widget.ConstraintLayout>

</androidx.constraintlayout.widget.ConstraintLayout>

```

Java Classes

2.1 Cart

```
package com.example.android.orderaty;

import android.content.Intent;
import android.os.Bundle;
import android.util.Log;
import android.view.View;
import android.widget.Button;
import android.widget.LinearLayout;
import android.widget.TextView;

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

import com.example.android.orderaty.Adaptor.Cart_Adapter;
import com.example.android.orderaty.Domain.Cart_Model;
import com.example.android.orderaty.Domain.History_Model;
import com.google.firebase.auth.FirebaseAuth;
import com.google.firebase.database.DataSnapshot;
import com.google.firebase.database.DatabaseError;
import com.google.firebase.database.DatabaseReference;
import com.google.firebase.database.FirebaseDatabase;
import com.google.firebase.database.ValueEventListener;

import java.util.ArrayList;
import java.util.Objects;

public class Cart extends AppCompatActivity {

    private LinearLayout button;
    private Button button1;

    ArrayList<Cart_Model> insideCart = new ArrayList<>();

    RecyclerView recyclerView;

    FirebaseDatabase database =
    FirebaseDatabase.getInstance("https://orderaty-33be8-default-
    rtdb.firebaseio.com/");
    DatabaseReference CartRef = database.getReference("Orderaty");
    FirebaseAuth UserNode;

    TextView Cart_total_text;
    TextView Final_total_text;
```



```

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

    recyclerView = findViewById(R.id.cart_RV);

    UserNode = FirebaseAuth.getInstance();
    String UserId =
Objects.requireNonNull(UserNode.getCurrentUser()).getUid();

    Cart_total_text = findViewById(R.id.subtotal);
    Final_total_text = findViewById(R.id.total);
    int final_cart_total = 0;

    CartRef.child("user").child(UserId).child("Cart").addValueEventListener(new
ValueEventListener() {
        @Override
        public void onDataChange(@NonNull DataSnapshot snapshot) {
            int carttotal = 0;
            for(DataSnapshot postSnapshot: snapshot.getChildren()){
                insideCart.add(postSnapshot.getValue(Cart_Model.class));

                String totalprice =
postSnapshot.child("dish_price").getValue().toString();
                //totalprice=(totalprice).substring(3,
totalprice.length());
                carttotal += Integer.parseInt(totalprice);

                Log.d("CartTotal",String.valueOf(carttotal));

                Cart_total_text.setText(String.valueOf(carttotal));
            }
            int finaltotal= carttotal+112;
            Final_total_text.setText(String.valueOf(finaltotal));

            button1 = (Button) findViewById(R.id.confirm);
            button1.setOnClickListener(new View.OnClickListener() {
                @Override
                public void onClick(View view) {
                    Intent intent = new Intent(view.getContext(),
Profile.class);

                    DatabaseReference OrdersReference =
CartRef.child("user").child(Objects.requireNonNull(UserNode.getUid())).child(
"orders").push();

                    OrdersReference.setValue(new
History_Model(String.valueOf(finaltotal), "Pending", "123" ));

                    view.getContext().startActivity(intent);
                }
            });
        }
    });
}

```

```

        Cart_Adapter adapter = new Cart_Adapter(Cart.this, insideCart
    );
        recyclerView.setLayoutManager(new
LinearLayoutManager(Cart.this));
        recyclerView.setAdapter(adapter);
    }

    @Override
    public void onCancelled(@NonNull DatabaseError error) {

        Log.w("RT TB" , "Failed" , error.toException());
    }
});

button = (LinearLayout) findViewById(R.id.homebtn1);
button.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        openhome();
    }
});

button = (LinearLayout) findViewById(R.id.homebtn3);
button.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        openprofile();
    }
});

button = (LinearLayout) findViewById(R.id.homebtn4);
button.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        openres();
    }
});

}

public void openprofile() {

    Intent intent = new Intent(this, Profile.class);
    startActivity(intent);

}

```

```

    public void openres() {

        Intent intent = new Intent(this, Rest.class);
        startActivity(intent);

    }

    public void opendish() {

        Intent intent = new Intent(this, dish.class);
        startActivity(intent);

    }

    public void openhome() {

        Intent intent = new Intent(this, Restaurants.class);
        startActivity(intent);

    }

    public void opentrack() {

        Intent intent = new Intent(this, Track_Order.class);
        startActivity(intent);

    }

}

```

2.2 Create Account

```

package com.example.android.orderaty;

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

import android.content.Intent;
import android.os.Bundle;
import android.text.TextUtils;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

```

```

import com.google.android.gms.tasks.OnCompleteListener;
import com.google.android.gms.tasks.Task;
import com.google.firebase.auth.AuthResult;
import com.google.firebase.auth.FirebaseAuth;
import com.google.firebase.database.FirebaseDatabase;

public class Create_account extends AppCompatActivity {

    private Button button;

    EditText etRegEmail;
    EditText etRegPassword;
    EditText username;

    FirebaseAuth mAuth;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_create_account);
        button = (Button) findViewById(R.id.create);

        etRegEmail = findViewById(R.id.password2);
        etRegPassword = findViewById(R.id.pass1);

        mAuth = FirebaseAuth.getInstance();

        button.setOnClickListener(view -> {
            createUser();
        });

    }

    private void createUser() {
        String email = etRegEmail.getText().toString();
        String password = etRegPassword.getText().toString();
        // String name = username.getText().toString();

        if (TextUtils.isEmpty(email)) {
            etRegEmail.setError("Email Must not be Empty");
            etRegEmail.requestFocus();
        }
        else if (TextUtils.isEmpty(password)) {
            etRegPassword.setError("Password Must not be Empty");
        }
    }
}

```

```

        etRegPassword.requestFocus();
    }
//    else if(TextUtils.isEmpty(name)){
//        username.setError("Please enter your name");
//        username.requestFocus();
//    }
    else {
        mAuth.createUserWithEmailAndPassword(email,
password).addOnCompleteListener(new OnCompleteListener<AuthResult>() {
            @Override
            public void onComplete(@NonNull Task<AuthResult> task) {
                if (task.isSuccessful()) {
                    Toast.makeText(Create_account.this, "User Account
Created Successfully", Toast.LENGTH_SHORT).show();

                    String userId =
FirebaseAuth.getInstance().getCurrentUser().getUid();

                    FirebaseDatabase.getInstance().getReference("Orderaty").child("User").setValu
e(userId);

                    startActivity(new Intent(Create_account.this,
Sign_in.class));
                }
                else {
                    Toast.makeText(Create_account.this, "Account
registration Error: " + task.getException().getMessage(),
Toast.LENGTH_SHORT).show();
                }
            }
        });
    }
}

public void openrest() {
    Intent intent = new Intent(this, Restaurants.class);
    startActivity(intent);
}

public void opensignin(View view) {
    Intent intent = new Intent(this, Sign_in.class);
    startActivity(intent);
}
}

```

2.3 Dish

```
package com.example.android.orderaty;

import androidx.appcompat.app.AppCompatActivity;

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

import com.example.android.orderaty.Domain.Dish_Model;

import java.util.ArrayList;

public class dish extends AppCompatActivity {

    private LinearLayout button;

    ArrayList<Dish_Model> dish_models = new ArrayList<>();

    int[] dishImgs = {
        R.mipmap.mac1 , R.mipmap.mac2 , R.mipmap.mac3 , R.mipmap.mac4 ,
        R.mipmap.mac5, R.mipmap.mac6 , R.mipmap.mac7 , R.mipmap.mac8, R.mipmap.kfc1,
        R.mipmap.kfc2 , R.mipmap.kfc3 , R.mipmap.kfc4 ,
        R.mipmap.mori1,R.mipmap.mori2, R.mipmap.mori3 , R.mipmap.mori4,
        R.mipmap.papa1,
        R.mipmap.papa2 , R.mipmap.papa3, R.mipmap.papa4 , R.mipmap.kabab1
        , R.mipmap.kabab2 , R.mipmap.kabab3, R.mipmap.kabab4,
        R.mipmap.wok1,R.mipmap.wok2 , R.mipmap.wok3, R.mipmap.wok4,
        R.mipmap.shaw1 , R.mipmap.shaw2, R.mipmap.shaw3, R.mipmap.shaw4,
        R.mipmap.pasta1,R.mipmap.pasta2, R.mipmap.pasta3 ,
        R.mipmap.pasta4 , R.mipmap.waf1 , R.mipmap.waf2 ,
        R.mipmap.waf3,R.mipmap.waf4 , R.mipmap.dun1,R.mipmap.dun2,
        R.mipmap.dun3,R.mipmap.dun4
    };

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

        button = (LinearLayout) findViewById(R.id.homebtn1);
        button.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                openhome();
            }
        });

        button = (LinearLayout) findViewById(R.id.homebtn3);
        button.setOnClickListener(new View.OnClickListener() {
            @Override
```

```
        public void onClick(View view) {
            openprofile();
        }
    });

    button = (LinearLayout) findViewById(R.id.homebtn4);
    button.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            openres();
        }
    });
}

public void openprofile() {

    Intent intent = new Intent(this, Profile.class);
    startActivity(intent);

}

public void openres() {

    Intent intent = new Intent(this, Rest.class);
    startActivity(intent);

}

public void openhome() {

    Intent intent = new Intent(this, Restaurants.class);
    startActivity(intent);

}
}
```

2.4 Main Activity

```
package com.example.android.orderaty;

import androidx.appcompat.app.AppCompatActivity;

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

public class MainActivity extends AppCompatActivity {

    private Button button;

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

        button = (Button) findViewById(R.id.createaccountbtn);
        button.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                opencreateacc();
            }
        });
        button = (Button) findViewById(R.id.signinbtn);
        button.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                opensignin(view);
            }
        });
    }

    public void opencreateacc() {

        Intent intent = new Intent(this, Create_account.class);
        startActivity(intent);

    }

    public void opensignin(View view) {

        Intent intent = new Intent(this, Sign_in.class);
        startActivity(intent);

    }

}
```


2.5 Menu

```
package com.example.android.orderaty;

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

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

import com.example.android.orderaty.Adaptor.DishAdaptor;
import com.example.android.orderaty.Domain.Dish_Model;
import com.google.firebase.database.DatabaseReference;
import com.google.firebase.database.FirebaseDatabase;

import java.util.ArrayList;

public class Menu extends AppCompatActivity {

    ArrayList<Dish_Model> menuDomainArrayList=new ArrayList<>();

    FirebaseDatabase database =
    FirebaseDatabase.getInstance("https://orderaty-33be8-default-
    rtdb.firebaseio.com/");
    DatabaseReference myRef = database.getReference("Orderaty");

    int[] dishImgs = {
        R.mipmap.mac1 , R.mipmap.mac2 , R.mipmap.mac3 , R.mipmap.mac4 ,
        R.mipmap.mac5 , R.mipmap.mac6 , R.mipmap.mac7 , R.mipmap.mac8 , R.mipmap.kfc1,
        R.mipmap.kfc2 , R.mipmap.kfc3 , R.mipmap.kfc4 ,
        R.mipmap.mori1,R.mipmap.mori2, R.mipmap.mori3 , R.mipmap.mori4,
        R.mipmap.papa1,
        R.mipmap.papa2 , R.mipmap.papa3, R.mipmap.papa4 , R.mipmap.kabab1
        , R.mipmap.kabab2 , R.mipmap.kabab3, R.mipmap.kabab4,
        R.mipmap.wok1,R.mipmap.wok2 , R.mipmap.wok3, R.mipmap.wok4,
        R.mipmap.shaw1 , R.mipmap.shaw2, R.mipmap.shaw3, R.mipmap.shaw4,
        R.mipmap.pasta1,R.mipmap.pasta2, R.mipmap.pasta3 ,
        R.mipmap.pasta4 , R.mipmap.waf1 , R.mipmap.waf2 ,
        R.mipmap.waf3,R.mipmap.waf4 , R.mipmap.dun1,R.mipmap.dun2,
        R.mipmap.dun3,R.mipmap.dun4
    };

    RecyclerView.Adapter adapter;
```

```

private RecyclerView recyclerViewMenuList;
TextView ResName;
ImageView Resimg;

private LinearLayout button;

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

    Bundle extra = getIntent().getBundleExtra("extra");
    menuDomainArrayList = (ArrayList<Dish_Model>)
extra.getSerializable("menu");

    recyclerViewMenuList = findViewById(R.id.dishess);
    adapter = new DishAdaptor(Menu.this,menuDomainArrayList );
    recyclerViewMenuList.setLayoutManager(new LinearLayoutManager(this,
LinearLayoutManager.VERTICAL,false));
    recyclerViewMenuList.setHasFixedSize(true);
    recyclerViewMenuList.setAdapter(adapter);

    button = (LinearLayout) findViewById(R.id.homebtn1);
    button.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            openhome();
        }
    });

    button = (LinearLayout) findViewById(R.id.homebtn2);
    button.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            opendish();
        }
    });

    button = (LinearLayout) findViewById(R.id.homebtn3);
    button.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            openprofile();
        }
    });

    button = (LinearLayout) findViewById(R.id.homebtn4);
    button.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            openres();
        }
    });

```

```
        }  
    });  
  
}  
  
public void openprofile() {  
    Intent intent = new Intent(this, Profile.class);  
    startActivity(intent);  
}  
  
public void opendish() {  
    Intent intent = new Intent(this, dish.class);  
    startActivity(intent);  
}  
  
public void openres() {  
    Intent intent = new Intent(this, Rest.class);  
    startActivity(intent);  
}  
  
public void openhome() {  
    Intent intent = new Intent(this, Restaurants.class);  
    startActivity(intent);  
}  
}
```

2.6 Profile

```
package com.example.android.orderaty;

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

import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;
import androidx.constraintlayout.widget.ConstraintLayout;
import androidx.recyclerview.widget.LinearLayoutManager;
import androidx.recyclerview.widget.RecyclerView;

import com.example.android.orderaty.Adaptor.History_Adaptor;
import com.example.android.orderaty.Domain.History_Model;
import com.google.firebase.auth.FirebaseAuth;
import com.google.firebase.database.DataSnapshot;
import com.google.firebase.database.DatabaseError;
import com.google.firebase.database.DatabaseReference;
import com.google.firebase.database.FirebaseDatabase;
import com.google.firebase.database.ValueEventListener;

import java.io.Serializable;
import java.util.ArrayList;
import java.util.Objects;

public class Profile extends AppCompatActivity implements Serializable {

    private LinearLayout img;
    private LinearLayout img2;
    private ConstraintLayout img3;

    FirebaseDatabase database =
    FirebaseDatabase.getInstance("https://orderaty-33be8-default-
    rtdb.firebaseio.com/");
    DatabaseReference myRef = database.getReference("Orderaty");
    FirebaseAuth UserAuth;
    ArrayList<History_Model> orders_models = new ArrayList<>();

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

        RecyclerView recyclerView = findViewById(R.id.order_history_rv);
```

```

        FirebaseAuth = FirebaseAuth.getInstance() ;
        String UID =
Objects.requireNonNull(UserAuth.getCurrentUser()).getUid() ;

myRef.child("user").child(UID).child("orders").addValueEventListener(new
 ValueEventListener() {
    @Override
    public void onDataChange(@NonNull DataSnapshot snapshot) {
        for (DataSnapshot postSnapshot: snapshot.getChildren()) {

orders_models.add(postSnapshot.getValue(History_Model.class));
            Log.d("order" , orders_models.toString());
        }

        History_Adaptor adapter = new
History_Adaptor(Profile.this, orders_models);
            recyclerView.setAdapter(adapter);
            recyclerView.setLayoutManager(new
LinearLayoutManager(Profile.this, RecyclerView.HORIZONTAL, false));
        }

        @Override
        public void onCancelled(@NonNull DatabaseError error) {
            Log.w("RT DB", "Failed to read value.",
error.toException());
        }
    });

    img = (LinearLayout) findViewById(R.id.homebtn1);
    img.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            openhome();
        }
    });

    img2 = (LinearLayout) findViewById(R.id.homebtn4);
    img2.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            openres();
        }
    });

    img3 = (ConstraintLayout) findViewById(R.id.cart_RV);
    img3.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {opencart();}
    });
}

```

```

    public void openhome() {

        Intent intent = new Intent(this, Restaurants.class);
        startActivity(intent);

    }

    public void opendish() {

        Intent intent = new Intent(this, dish.class);
        startActivity(intent);

    }

    public void openres() {

        Intent intent = new Intent(this, Rest.class);
        startActivity(intent);

    }

    public void opencart() {

        Intent intent = new Intent(this, Cart.class);
        startActivity(intent);

    }

}

```

2.7 Restaurants

```

package com.example.android.orderaty;
import android.content.Intent;
import android.os.Bundle;
import android.util.Log;
import android.view.View;
import android.widget.LinearLayout;

import androidx.appcompat.app.AppCompatActivity;

```

```

import androidx.recyclerview.widget.LinearLayoutManager;
import androidx.recyclerview.widget.RecyclerView;

import com.example.android.orderaty.Adaptor.RestaurantAdaptor;
import com.example.android.orderaty.Domain.Dish_Model;
import com.example.android.orderaty.Domain.RestaurantDomain;
import com.firebase.ui.database.FirebaseRecyclerOptions;
import com.google.firebase.database.DataSnapshot;
import com.google.firebase.database.DatabaseError;
import com.google.firebase.database.DatabaseReference;
import com.google.firebase.database.FirebaseDatabase;
import com.google.firebase.database.ValueEventListener;

import java.util.ArrayList;

public class Rest extends AppCompatActivity {

    private LinearLayout button;

    FirebaseDatabase database =
    FirebaseDatabase.getInstance("https://orderaty-33be8-default-
    rtdb.firebaseio.com/");
    DatabaseReference myRef = database.getReference("Orderaty");

    int[] dishImgs = {
        R.mipmap.mac1 , R.mipmap.mac2 , R.mipmap.mac3 , R.mipmap.mac4 ,
        R.mipmap.mac5, R.mipmap.mac6 , R.mipmap.mac7 , R.mipmap.mac8, R.mipmap.kfc1,
        R.mipmap.kfc2 , R.mipmap.kfc3 , R.mipmap.kfc4 ,
        R.mipmap.mori1,R.mipmap.mori2, R.mipmap.mori3 , R.mipmap.mori4,
        R.mipmap.papa1,
        R.mipmap.papa2 , R.mipmap.papa3, R.mipmap.papa4 , R.mipmap.kabab1
        , R.mipmap.kabab2 , R.mipmap.kabab3, R.mipmap.kabab4,
        R.mipmap.wok1,R.mipmap.wok2 , R.mipmap.wok3, R.mipmap.wok4,
        R.mipmap.shaw1 , R.mipmap.shaw2, R.mipmap.shaw3, R.mipmap.shaw4,
        R.mipmap.pasta1,R.mipmap.pasta2, R.mipmap.pasta3 ,
        R.mipmap.pasta4 , R.mipmap.waf1 , R.mipmap.waf2 ,
        R.mipmap.waf3,R.mipmap.waf4 , R.mipmap.dun1,R.mipmap.dun2,
        R.mipmap.dun3,R.mipmap.dun4
    };

    int[] RestImgs = {

        R.mipmap.mac,R.mipmap.kfc,R.mipmap.mori,R.mipmap.papa,R.mipmap.kabagy

        ,R.mipmap.wok,R.mipmap.ebn,R.mipmap.pastas,R.mipmap.waffle,R.mipmap.dunkin
    };

    ArrayList<RestaurantDomain> restaurantDomainArrayList=new ArrayList<>();
    ArrayList<Dish_Model> dish_modelArrayList =new ArrayList<>();

    RecyclerView.Adapter adapter;

```

```

protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_rest);
    //populatedb();
    RecyclerView recyclerViewRestList = findViewById(R.id.rest_RV);

    myRef.child("restaurants").addValueEventListener(new
ValueEventListener() {
        @Override
        public void onDataChange(DataSnapshot dataSnapshot) {

            for (DataSnapshot postSnapshot: dataSnapshot.getChildren()) {

restaurantDomainArrayList.add(postSnapshot.getValue(RestaurantDomain.class));

            }

            RestaurantAdaptor adapter = new RestaurantAdaptor(Rest.this ,
restaurantDomainArrayList);
            recyclerViewRestList.setAdapter(adapter);
            recyclerViewRestList.setLayoutManager(new
LinearLayoutManager(Rest.this));

        }

        @Override
        public void onCancelled(DatabaseError error) {
            // Failed to read value
            Log.w("RT DB", "Failed to read value.", error.toException());
        }
    });

    adapter = new RestaurantAdaptor(Rest.this, restaurantDomainArrayList
);
    recyclerViewRestList.setAdapter(adapter);

    button = (LinearLayout) findViewById(R.id.homebtn1);
    button.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            openhome();
        }
    });

    button = (LinearLayout) findViewById(R.id.homebtn3);
    button.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            openprofile();
        }
    });
}

```



```

        button = (LinearLayout) findViewById(R.id.homebtn2);
        button.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                opendish();
            }
        });
    }

    public void openprofile() {

        Intent intent = new Intent(this, Profile.class);
        startActivity(intent);

    }

    public void opendish() {

        Intent intent = new Intent(this, dish.class);
        startActivity(intent);

    }

    public void openhome() {

        Intent intent = new Intent(this, Restaurants.class);
        startActivity(intent);

    }

    @Override
    protected void onStart() {
        super.onStart();
        //adapter.startListening();
    }

    @Override
    protected void onStop() {
        super.onStop();
        //adapter.stopListening();
    }

    private void populatedb () {
        ArrayList<Dish_Model> mac_menu = new ArrayList<Dish_Model>();
        mac_menu.add(new Dish_Model("Big Mac" , "90" , dishImgs[0]));
        mac_menu.add(new Dish_Model("Cheese Burger" , "40" , dishImgs[1]));
        mac_menu.add(new Dish_Model("McFries" , "35" , dishImgs[2]));
        mac_menu.add(new Dish_Model("Chicken Fillet" , "140" , dishImgs[3]));
        mac_menu.add(new Dish_Model("Macdo" , "39" , dishImgs[4]));
        mac_menu.add(new Dish_Model("Mushroom Burger" , "130" ,

```

```

dishImgs[5]));
    mac_menu.add(new Dish_Model("McNuggets" , "70" , dishImgs[6]));
    mac_menu.add(new Dish_Model("Big Tasty" , "110" , dishImgs[7]));
    restaurantDomainArrayList.add(new RestaurantDomain("MCDonald's",
RestImgs[0],    "4.1","Burger", mac_menu));

    ArrayList<Dish_Model> kfc_menu = new ArrayList<Dish_Model>();
    kfc_menu.add(new Dish_Model("Zinger" , "90" , dishImgs[8]));
    kfc_menu.add(new Dish_Model("Twister" , "40" , dishImgs[9]));
    kfc_menu.add(new Dish_Model("KFC Meal" , "110" , dishImgs[10]));
    kfc_menu.add(new Dish_Model("Super Dinner" , "140" , dishImgs[11]));
    restaurantDomainArrayList.add(new RestaurantDomain("KFC",
RestImgs[1],    "4.3","Fried Chicken", kfc_menu));

    ArrayList<Dish_Model> mori_menu = new ArrayList<Dish_Model>();
    mori_menu.add(new Dish_Model("Spicy Lemon Roll" , "145" ,
dishImgs[12]));
    mori_menu.add(new Dish_Model("Halloween Roll" , "164" ,
dishImgs[13]));
    mori_menu.add(new Dish_Model("Noodles Shrimp" , "190" ,
dishImgs[14]));
    mori_menu.add(new Dish_Model("Salmon Dynamite" , "150" ,
dishImgs[15]));
    restaurantDomainArrayList.add(new RestaurantDomain("Mori Sushi",
RestImgs[2],    "4.7","Sushi" , mori_menu));

    ArrayList<Dish_Model> papa_menu = new ArrayList<Dish_Model>();
    papa_menu.add(new Dish_Model("Super Papa" , "145" , dishImgs[16]));
    papa_menu.add(new Dish_Model("Mexican Feista" , "164" ,
dishImgs[17]));
    papa_menu.add(new Dish_Model("Italian Feista" , "190" ,
dishImgs[18]));
    papa_menu.add(new Dish_Model("Pepproni" , "150" , dishImgs[19]));
    restaurantDomainArrayList.add(new RestaurantDomain("Papa John's",
RestImgs[3],    "4.5","Pizza" , papa_menu));

    ArrayList<Dish_Model> kabab_menu = new ArrayList<Dish_Model>();
    kabab_menu.add(new Dish_Model("Half Grilled Chicken" , "145" ,
dishImgs[20]));
    kabab_menu.add(new Dish_Model("Kofta" , "164" , dishImgs[21]));
    kabab_menu.add(new Dish_Model("Kabab Lamb" , "190" , dishImgs[22]));
    kabab_menu.add(new Dish_Model("Lamb Chops" , "150" , dishImgs[23]));
    restaurantDomainArrayList.add(new RestaurantDomain("Kasr El Kababgy",
RestImgs[4],    "3.9","Grill" , kabab_menu));

    ArrayList<Dish_Model> wok_menu = new ArrayList<Dish_Model>();
    wok_menu.add(new Dish_Model("Sweet and Sour Meat" , "145" ,
dishImgs[24]));
    wok_menu.add(new Dish_Model("Tandori Chicken " , "164" ,
dishImgs[25]));
    wok_menu.add(new Dish_Model("Oyster Meat" , "190" , dishImgs[26]));
    wok_menu.add(new Dish_Model("Spring Rolls" , "150" , dishImgs[27]));
    restaurantDomainArrayList.add(new RestaurantDomain("Wok & Walk",
RestImgs[5],    "4.0","Chinese", wok_menu));

```

```

        ArrayList<Dish_Model> shaw_menu = new ArrayList<Dish_Model>();
        shaw_menu.add(new Dish_Model("Chicken Shawerma" , "60" ,
dishImgs[28]));
        shaw_menu.add(new Dish_Model("Arabian Shawerma " , "70" ,
dishImgs[29]));
        shaw_menu.add(new Dish_Model("Maat Shawerma" , "65" , dishImgs[30]));
        shaw_menu.add(new Dish_Model("Fatet Shawerma" , "90" ,
dishImgs[31]));
        restaurantDomainArrayList.add(new RestaurantDomain("Ebn El Sham",
RestImgs[6], "3.5","Shawerma", shaw_menu));

        ArrayList<Dish_Model> pasta_menu = new ArrayList<Dish_Model>();
        pasta_menu.add(new Dish_Model("Red Sauce" , "70" , dishImgs[32]));
        pasta_menu.add(new Dish_Model("Liver Red Sauce " , "95" ,
dishImgs[33]));
        pasta_menu.add(new Dish_Model("Sougouk White Sauce" , "92" ,
dishImgs[34]));
        pasta_menu.add(new Dish_Model("Pesto Chicken" , "100" ,
dishImgs[35]));
        restaurantDomainArrayList.add(new RestaurantDomain("Pastawesy",
RestImgs[7], "3.7","Pasta" , pasta_menu));

        ArrayList<Dish_Model> waf_menu = new ArrayList<Dish_Model>();
        waf_menu.add(new Dish_Model("Belgian Waffle" , "110" ,
dishImgs[36]));
        waf_menu.add(new Dish_Model("American Waffle " , "72" ,
dishImgs[37]));
        waf_menu.add(new Dish_Model("Waffles Sticks" , "67" , dishImgs[38]));
        waf_menu.add(new Dish_Model("Nutella Waffle" , "60" , dishImgs[39]));
        restaurantDomainArrayList.add(new RestaurantDomain("Wafflcious",
RestImgs[8], "4.2","Desert", waf_menu));

        ArrayList<Dish_Model> dun_menu = new ArrayList<Dish_Model>();
        dun_menu.add(new Dish_Model("Cappuccino" , "60" , dishImgs[40]));
        dun_menu.add(new Dish_Model("Chocolate Doughnuts " , "55" ,
dishImgs[41]));
        dun_menu.add(new Dish_Model("White Doughnuts" , "40" ,
dishImgs[42]));
        dun_menu.add(new Dish_Model("Nutella Doughnuts" , "70" ,
dishImgs[43]));
        restaurantDomainArrayList.add(new RestaurantDomain("Dunkin " ,
RestImgs[9], "4.6","Desert" , dun_menu));

        myRef.child("restaurants").setValue(restaurantDomainArrayList);

    }
}

```

2.8 Welcome page

```
package com.example.android.orderaty;

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

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

import com.example.android.orderaty.Adaptor.CategoryAdaptor;
import com.example.android.orderaty.Adaptor.PopularAdaptor;
import com.example.android.orderaty.Domain.CategoryDomain;
import com.example.android.orderaty.Domain.PopularDomain;

import java.util.ArrayList;

public class Restaurants extends AppCompatActivity {

    private LinearLayout button;

    private ConstraintLayout button2;

    private Button btn;

    private RecyclerView.Adapter adapter;
    private RecyclerView recyclerViewCategoryList;

    private RecyclerView.Adapter adapter2;
    private RecyclerView recyclerViewCategoryList2;

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

        recyclerViewCategory();
        recyclerViewCategory1();
    }
}
```

```

        button = (LinearLayout) findViewById(R.id.homebtn3);
        button.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                openprofile();
            }
        });

        button = (LinearLayout) findViewById(R.id.homebtn4);
        button.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                openres();
            }
        });

        button2 = (ConstraintLayout) findViewById(R.id.cart_RV);
        button2.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {opencart();}
        });

        btn = (Button) findViewById(R.id.browse);
        btn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                openres();
            }
        });
    }

    private void recyclerViewCategory() {
        LinearLayoutManager layoutManager=new LinearLayoutManager(this,
        LinearLayoutManager.HORIZONTAL, false);
        recyclerViewCategoryList = findViewById(R.id.recyclerView1);
        recyclerViewCategoryList.setLayoutManager(layoutManager);

        ArrayList<CategoryDomain> category=new ArrayList<>();
        category.add(new CategoryDomain("Grills", "grills.jpg"));
        category.add(new CategoryDomain("Burger", "burger"));
        category.add(new CategoryDomain("Pizza", "Pizza"));
        category.add(new CategoryDomain("Chinese", "Chinese"));
        category.add(new CategoryDomain("Pasta", "pasta"));
        category.add(new CategoryDomain("Koshry", "koshry"));
        category.add(new CategoryDomain("Dessert", "dessert"));
        adapter= new CategoryAdaptor(category);
        recyclerViewCategoryList.setAdapter(adapter);
    }

    private void recyclerViewCategory1() {
        LinearLayoutManager layoutManager2=new
        LinearLayoutManager(this, LinearLayoutManager.HORIZONTAL, false);
        recyclerViewCategoryList2 = findViewById(R.id.REE);
        recyclerViewCategoryList2.setLayoutManager(layoutManager2);

        ArrayList<PopularDomain> popular=new ArrayList<>();

```

```

        popular.add(new PopularDomain("Papa John's", "papa"));
        popular.add(new PopularDomain("McDonald's", "mac"));
        popular.add(new PopularDomain("KFC", "chick"));
        popular.add(new PopularDomain("Kasr el Kababgy", "kabagy"));
        popular.add(new PopularDomain("Wafflicious", "waffle"));
        popular.add(new PopularDomain("Pastawesy", "pastas"));
        popular.add(new PopularDomain("Ibn El Sham", "ibnelsham"));
        adapter2= new PopularAdaptor(popular);
        recyclerViewCategoryList2.setAdapter(adapter2);
    }

    public void openprofile() {

        Intent intent = new Intent(this, Profile.class);
        startActivity(intent);

    }

    public void openres() {

        Intent intent = new Intent(this, Rest.class);
        startActivity(intent);

    }

    public void opendish() {

        Intent intent = new Intent(this,dish.class);
        startActivity(intent);

    }

    public void opencart() {

        Intent intent = new Intent(this,Cart.class);
        startActivity(intent);

    }

}

```

2.9 Sign In

```
package com.example.android.orderaty;

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

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

import com.google.android.gms.tasks.OnCompleteListener;
import com.google.android.gms.tasks.Task;
import com.google.firebase.auth.AuthResult;
import com.google.firebase.auth.FirebaseAuth;

public class Sign_in extends AppCompatActivity {
    private Button button;
    Button button_signin;

    EditText etSignEmail;
    EditText etSignPassword;
    TextView createAccount;

    FirebaseAuth mAuth;

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

        button = (Button) findViewById(R.id.Googlebtn);
        button.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                openrest();
            }
        });

        button = (Button) findViewById(R.id.facebookbtn);
        button.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                opendish();
            }
        });
    }
}
```

```

        etSignEmail = findViewById(R.id.name);
        etSignPassword = findViewById(R.id.password2);
        createAccount = findViewById(R.id.createl);
        button_signin = findViewById(R.id.signn);

        mAuth = FirebaseAuth.getInstance();

        button_signin.setOnClickListener(view -> {
            signinUser();
        });

        createAccount.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                create();
            }
        });

    }

    public void create() {

        Intent intent = new Intent(this, Create_account.class);
        startActivity(intent);

    }

    public void openrest() {

        Intent intent = new Intent(this, Restaurants.class);
        startActivity(intent);

    }

    public void opendish() {

        Intent intent = new Intent(this, Menu.class);
        startActivity(intent);

    }

    private void signinUser() {
        String email = etSignEmail.getText().toString();
        String password = etSignPassword.getText().toString();

        if(TextUtils.isEmpty(email)){
            etSignEmail.setError("Email Must not be Empty");
            etSignEmail.requestFocus();
        }
    }

```



```

        else if(TextUtils.isEmpty(password)){
            etSignUpPassword.setError("Password Must not be Empty");
            etSignUpPassword.requestFocus();
        }
        else {
            mAuth.signInWithEmailAndPassword(email ,
password).addOnCompleteListener(new OnCompleteListener<AuthResult>() {
                @Override
                public void onComplete(@NonNull Task<AuthResult> task) {
                    if (task.isSuccessful()){
                        Toast.makeText(Sign_in.this, "User signed in
Successfully", Toast.LENGTH_SHORT).show();
                        startActivity(new Intent(Sign_in.this,
Restaurants.class));
                    }
                    else {
                        Toast.makeText(Sign_in.this, "Account sign in Error:
"+ task.getException().getMessage(), Toast.LENGTH_SHORT).show();
                    }
                }
            });
        }
    }
}

```

Adapters

3.1 Cart

```
package com.example.android.orderaty.Adaptor;

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.example.android.orderaty.Domain.Cart_Model;
import com.example.android.orderaty.R;

import java.util.ArrayList;

public class Cart_Adapter extends
RecyclerView.Adapter<Cart_Adapter.MyViewHolder> {

    Context context;
    ArrayList<Cart_Model> cart;

    public Cart_Adapter(Context context , ArrayList<Cart_Model> cart_models){
        this.context = context;
        this.cart = cart_models;
    }

    @NonNull
    @Override
    public Cart_Adapter.MyViewHolder onCreateViewHolder(@NonNull ViewGroup
parent, int viewType) {
        LayoutInflater inflater = LayoutInflater.from(context);
        View view = inflater.inflate(R.layout.viewholder_cart_item , parent ,
false);

        return new Cart_Adapter.MyViewHolder(view);
    }

    @Override
    public void onBindViewHolder(@NonNull Cart_Adapter.MyViewHolder holder,
int position) {

        holder.imageView.setImageResource(cart.get(position).getDish_img());
        holder.name.setText(cart.get(position).getDish_name());
    }
}
```

```

        holder.price.setText(cart.get(position).getDish_price());
    }

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

    public static class MyViewHolder extends RecyclerView.ViewHolder{
        ImageView imageView;
        TextView name;
        TextView price;

        public MyViewHolder(@NonNull View itemView){
            super(itemView);

            imageView = itemView.findViewById(R.id.item_pic);
            name = itemView.findViewById(R.id.item_name);
            price =itemView.findViewById(R.id.item_price);
        }
    }
}

```

3.2Category

```

package com.example.android.orderaty.Adaptor;

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.android.orderaty.Domain.CategoryDomain;
import com.example.android.orderaty.R;

import java.util.ArrayList;

public class CategoryAdaptor extends
RecyclerView.Adapter<CategoryAdaptor.ViewHolder> {
    ArrayList<CategoryDomain> categoryDomains;

    public CategoryAdaptor(ArrayList<CategoryDomain> categoryDomains) {
        this.categoryDomains = categoryDomains;
    }
}

```

```

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

holder.mainLayout.setBackground(ContextCompat.getDrawable(holder.itemView.get
Context(),R.drawable.cat_background2));
                    break;

                }

                case 1:{
                    picUrl="burger";

holder.mainLayout.setBackground(ContextCompat.getDrawable(holder.itemView.get
Context(), R.drawable.cat_background));
                    break;
                }

                case 2:{
                    picUrl="pizza";

holder.mainLayout.setBackground(ContextCompat.getDrawable(holder.itemView.get
Context(),R.drawable.cat_background3));
                    break;
                }

                case 3:{
                    picUrl="chinese";

holder.mainLayout.setBackground(ContextCompat.getDrawable(holder.itemView.get
Context(),R.drawable.cat_background2));
                    break;
                }

                case 4:{
                    picUrl="pasta";

holder.mainLayout.setBackground(ContextCompat.getDrawable(holder.itemView.get
Context(), R.drawable.cat_background));

```

```

        break;
    }

    case 5:{
        picUrl="koshry";

        holder.mainLayout.setBackground(ContextCompat.getDrawable(holder.itemView.getContext(),R.drawable.cat_background3));
        break;
    }

    case 6:{
        picUrl="dessert";

        holder.mainLayout.setBackground(ContextCompat.getDrawable(holder.itemView.getContext(),R.drawable.cat_background2));
        break;
    }

    }
    int
    drawableResourceId=holder.itemView.getContext().getResources().getIdentifier(
    picUrl,"mipmap",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);
    }
}
}

```

3.3 Dish Adapter

```
package com.example.android.orderaty.Adaptor;

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

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

import com.bumptech.glide.Glide;
import com.example.android.orderaty.Cart;
import com.example.android.orderaty.Domain.Dish_Model;
import com.example.android.orderaty.R;
import com.google.firebase.auth.FirebaseAuth;
import com.google.firebase.auth.FirebaseUser;
import com.google.firebase.database.DatabaseReference;
import com.google.firebase.database.FirebaseDatabase;

import java.util.ArrayList;

public class DishAdaptor extends RecyclerView.Adapter<DishAdaptor.ViewHolder>
{
    Context context;
    ArrayList<Dish_Model> ddomain;

    FirebaseDatabase database = FirebaseDatabase.getInstance();
    DatabaseReference myRef = database.getReference("Orderaty");
    FirebaseUser userRef = FirebaseAuth.getInstance().getCurrentUser();

    public DishAdaptor(Context context , ArrayList<Dish_Model> ddomain){
        this.context = context;
        this.ddomain = ddomain;
    }

    @NonNull
    @Override
    public ViewHolder onCreateViewHolder(@NonNull ViewGroup parent, int
viewType) {
        LayoutInflater inflater = LayoutInflater.from(parent.getContext());

        View view =inflater.inflate(R.layout.viewholder_dish,parent,false);
        return new ViewHolder(view);
    }
}
```

```

@Override
public void onBindViewHolder(@NonNull ViewHolder holder, int position) {

    holder.dishName.setText(ddomain.get(position).getDish_name());
    holder.dishPrice.setText(ddomain.get(position).getDish_price());

    holder.AddToCart.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            Intent intent = new Intent(view.getContext() , Cart.class);

            DatabaseReference CartRef =
myRef.child("user").child(userRef.getId()).child("Cart").push();
            CartRef.setValue(new
Dish_Model(ddomain.get(holder.getAbsoluteAdapterPosition()).getDish_name()
,ddomain.get(holder.getAbsoluteAdapterPosition()).getDish_price()
,ddomain.get(holder.getAbsoluteAdapterPosition()).getDish_img() ));

            view.getContext().startActivity(intent);
        }
    });

Glide.with(holder.dishPic.getContext()).load(ddomain.get(position).getDish_img()).placeholder(R.mipmap.food).into(holder.dishPic);
}

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

public static class ViewHolder extends RecyclerView.ViewHolder{

    TextView dishName;
    TextView dishPrice;
    ImageView dishPic;
    ConstraintLayout mainLayout;
    Button AddToCart;

    public ViewHolder(@NonNull View itemView) {
        super(itemView);

        dishName=itemView.findViewById(R.id.dishName);
        dishPrice=itemView.findViewById(R.id.dishPrice);

        dishPic=itemView.findViewById(R.id.dishPic);
        mainLayout=itemView.findViewById(R.id.mainLayout);

        AddToCart = itemView.findViewById(R.id.Button_AddToCart);
    }
}

```

```
}
```

3.4 History Adapter

```
package com.example.android.orderaty.Adaptor;

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.example.android.orderaty.Domain.History_Model;
import com.example.android.orderaty.R;

import java.util.ArrayList;

public class History_Adaptor extends
RecyclerView.Adapter<History_Adaptor.MyViewHolder> {

    Context context; ArrayList<History_Model> orders_models;
    public History_Adaptor(Context context , ArrayList<History_Model>
orders_models){
        this.context = context;
        this.orders_models = orders_models;
    }

    @NonNull
    @Override
    public History_Adaptor.MyViewHolder onCreateViewHolder(@NonNull ViewGroup
parent, int viewType) {
        LayoutInflater inflater = LayoutInflater.from(context);
        View view = inflater.inflate(R.layout.viewholder_history , parent ,
false);

        return new History_Adaptor.MyViewHolder(view);
    }

    @Override
    public void onBindViewHolder(@NonNull History_Adaptor.MyViewHolder
holder, int position) {

        holder.OrderPrice.setText(orders_models.get(position).getPrice());
        holder.OrderState.setText(orders_models.get(position).getState());

        holder.TrackingNo.setText(orders_models.get(position).getTrackingNumber());
    }
}
```



```

    }

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

    public static class MyViewHolder extends RecyclerView.ViewHolder{

        TextView TrackingNo , OrderState , OrderPrice;

        public MyViewHolder(@NonNull View itemView) {
            super(itemView);

            TrackingNo = itemView.findViewById(R.id.track_no);
            OrderState = itemView.findViewById(R.id.order_state);
            OrderPrice = itemView.findViewById(R.id.order_price);

        }
    }
}

```

3.5 Popular Adaptor

```

package com.example.android.orderaty.Adaptor;

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.android.orderaty.Domain.PopularDomain;
import com.example.android.orderaty.R;

import java.util.ArrayList;

public class PopularAdaptor extends
RecyclerView.Adapter<PopularAdaptor.ViewHolder> {
    ArrayList<PopularDomain> popularDomains;

    public PopularAdaptor(ArrayList<PopularDomain> popularDomains) {

```

```

        this.popularDomains = popularDomains;
    }

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

    @Override
    public void onBindViewHolder(@NonNull ViewHolder holder, int position) {

        holder.popularName.setText(popularDomains.get(position).getTitle());
        String picUrl = "";
        switch (position){
            case 0:{
                picUrl="papa";

holder.mainLayout.setBackground(ContextCompat.getDrawable(holder.itemView.get
Context(),R.drawable.cat_background2));
                break;

            }

            case 1:{
                picUrl="mac";

holder.mainLayout.setBackground(ContextCompat.getDrawable(holder.itemView.get
Context(), R.drawable.cat_background));
                break;

            }

            case 2:{
                picUrl="chick";

holder.mainLayout.setBackground(ContextCompat.getDrawable(holder.itemView.get
Context(),R.drawable.cat_background3));
                break;

            }

            case 3:{
                picUrl="kabagy";

holder.mainLayout.setBackground(ContextCompat.getDrawable(holder.itemView.get
Context(),R.drawable.cat_background2));
                break;

            }

            case 4:{
                picUrl="waffle";

holder.mainLayout.setBackground(ContextCompat.getDrawable(holder.itemView.get

```

```

Context(), R.drawable.cat_background));
        break;
    }

    case 5:{
        picUrl="pastas";

        holder.mainLayout.setBackground(ContextCompat.getDrawable(holder.itemView.getContext(),R.drawable.cat_background3));
        break;
    }

    case 6:{
        picUrl="ebn";

        holder.mainLayout.setBackground(ContextCompat.getDrawable(holder.itemView.getContext(),R.drawable.cat_background2));
        break;
    }

    }

    int
    drawableResourceId=holder.itemView.getContext().getResources().getIdentifier(
    picUrl,"mipmap",holder.itemView.getContext().getPackageName());
    Glide.with(holder.itemView.getContext())
        .load(drawableResourceId)
        .into(holder.popularPic);
}

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

public class ViewHolder extends RecyclerView.ViewHolder{

    TextView popularName;
    ImageView popularPic;
    ConstraintLayout mainLayout;

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

```

3.6 Restaurant Adaptor

```
package com.example.android.orderaty.Adaptor;

import android.content.ClipData;
import android.content.Context;
import android.content.Intent;
import android.os.Bundle;
import android.text.Layout;
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.recyclerview.widget.RecyclerView;

import com.bumptech.glide.Glide;
import com.example.android.orderaty.Domain.RestaurantDomain;
import com.example.android.orderaty.Menu;
import com.example.android.orderaty.R;

import java.util.ArrayList;

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

    Context context;
    ArrayList<RestaurantDomain> rdomain;

    public RestaurantAdaptor(Context context , ArrayList<RestaurantDomain>
rdomain){
        this.context = context;
        this.rdomain = rdomain;
    }

    @NonNull
    @Override
    public ViewHolder onCreateViewHolder(@NonNull ViewGroup parent, int
viewType) {
        LayoutInflater inflater = LayoutInflater.from(parent.getContext());

        View view =inflater.inflate(R.layout.viewholder_rest,parent,false);
        return new ViewHolder(view);
    }

    @Override
    public void onBindViewHolder(@NonNull ViewHolder holder, int position) {

        holder.resName.setText(rdomain.get(position).getResname());
        holder.cusName.setText(rdomain.get(position).getCuisine());
        holder.rate.setText(rdomain.get(position).getRating());
    }
}
```

```

        holder.mainLayout.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Intent intent = new Intent(view.getContext() , Menu.class);

                Bundle extra = new Bundle();
                extra.putSerializable("menu" ,
rdomain.get(holder.getAbsoluteAdapterPosition()).getMenu());
                intent.putExtra("extra" , extra);

                view.getContext().startActivity(intent);
            }
        });

Glide.with(holder.resPic.getContext()).load(rdomain.get(position).getPic()).p
laceholder(R.mipmap.food).into(holder.resPic);
    }

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

    public static class ViewHolder extends RecyclerView.ViewHolder{

        TextView resName;
        TextView cusName;
        TextView rate;
        ImageView resPic;
        ConstraintLayout mainLayout;

        public ViewHolder(@NonNull View itemView) {
            super(itemView);

            resName=itemView.findViewById(R.id.resName);
            cusName=itemView.findViewById(R.id.cusName);
            rate=itemView.findViewById(R.id.rate);

            resPic=itemView.findViewById(R.id.resPic);
            mainLayout=itemView.findViewById(R.id.mainLayout);
        }
    }
}

```

Domain Java

4.1 Cart

```
package com.example.android.orderaty.Domain;

public class Cart_Model {

    int dish_img;
    String dish_name ;
    String dish_price;

    public Cart_Model(int dish_img, String dish_name, String dish_price) {
        this.dish_img = dish_img;
        this.dish_name = dish_name;
        this.dish_price = dish_price;
    }

    public Cart_Model() {
    }

    public int getDish_img() {
        return dish_img;
    }

    public void setDish_img(int dish_img) {
        this.dish_img = dish_img;
    }

    public String getDish_name() {
        return dish_name;
    }

    public void setDish_name(String dish_name) {
        this.dish_name = dish_name;
    }

    public String getDish_price() {
        return dish_price;
    }

    public void setDish_price(String dish_price) {
        this.dish_price = dish_price;
    }
}
```

4.2 Category

```
package com.example.android.orderaty.Domain;

public class CategoryDomain {
    private String title;
    private String 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;
    }

    public CategoryDomain(String title, String pic) {
        this.title = title;
        this.pic = pic;
    }
}
```

4.3 Dish

```
package com.example.android.orderaty.Domain;
import java.io.Serializable;
import java.util.ArrayList;

import android.widget.Button;

import com.example.android.orderaty.Menu;

public class Dish_Model implements Serializable {
    String dish_name ;
    String dish_price;
    int dish_img;
    Button addtoCart;
    ArrayList<Dish_Model> menu = new ArrayList<>();

    public Dish_Model(String dish_name, String dish_price, int dish_img) {
```

```

        this.dish_name = dish_name;
        this.dish_price = dish_price;
        this.dish_img = dish_img;
    }

    public Dish_Model(String dish_name, String dish_price, int dish_img,
Button addToCart) {
        this.dish_name = dish_name;
        this.dish_price = dish_price;
        this.dish_img = dish_img;
        this.addToCart = addToCart;
    }

    public Dish_Model() {
    }

    public Dish_Model(Menu menu, ArrayList<Dish_Model> menuDomainArrayList) {
    }

    public String getDish_name() {
        return dish_name;
    }

    public void setDish_name(String dish_name) {
        this.dish_name = dish_name;
    }

    public String getDish_price() {
        return dish_price;
    }

    public void setDish_price(String dish_price) {
        this.dish_price = dish_price;
    }

    public int getDish_img() {
        return dish_img;
    }

    public void setDish_img(int dish_img) {
        this.dish_img = dish_img;
    }

    public Button getAddtoCart() {
        return addToCart;
    }

    public void setAddtoCart(Button addToCart) {
        this.addToCart = addToCart;
    }
}

```


4.4 History

```
package com.example.android.orderaty.Domain;

import java.io.Serializable;
import java.util.ArrayList;

public class History_Model implements Serializable {

    String Price;
    String State;
    String TrackingNumber;

    ArrayList<History_Model> orders_models = new ArrayList<>();

    public History_Model() {
    }

    public History_Model(String price, String state, String trackingNumber) {
        Price = price;
        State = state;
        TrackingNumber = trackingNumber;
    }

    public String getPrice() {
        return Price;
    }

    public void setPrice(String price) {
        Price = price;
    }

    public String getState() {
        return State;
    }

    public void setState(String state) {
        State = state;
    }

    public String getTrackingNumber() {
        return TrackingNumber;
    }

    public void setTrackingNumber(String trackingNumber) {
        TrackingNumber = trackingNumber;
    }

    public ArrayList<History_Model> getOrders_models() {
        return orders_models;
    }

    public void setOrders_models(ArrayList<History_Model> orders_models) {
        this.orders_models = orders_models;
    }
}
```

```
    }  
}
```

4.6 Popular

```
package com.example.android.orderaty.Domain;  
  
public class PopularDomain {  
    private String title;  
    private String 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;  
    }  
  
    public PopularDomain(String title, String pic) {  
        this.title = title;  
        this.pic = pic;  
    }  
}
```

4.7 Restaurant

```
package com.example.android.orderaty.Domain;  
  
import java.io.Serializable;  
import java.util.ArrayList;  
  
public class RestaurantDomain implements Serializable {  
    private String resname;
```

```
private int pic;
private String rating;
private String cuisine;
ArrayList<Dish_Model> menu = new ArrayList<>();

public RestaurantDomain(String resname, int pic, String rating, String
cuisine, ArrayList<Dish_Model> menu) {
    this.resname = resname;
    this.pic = pic;
    this.rating = rating;
    this.cuisine = cuisine;
    this.menu = menu;
}

public RestaurantDomain(String resname, int pic, String rating, String
cuisine) {
    this.resname = resname;
    this.pic = pic;
    this.rating = rating;
    this.cuisine = cuisine;
}

public String getRating() {
    return rating;
}

public void setRating(String rating) {
    this.rating = rating;
}

public String getCuisine() {
    return cuisine;
}

public void setCuisine(String cuisine) {
    this.cuisine = cuisine;
}

public String getResname() {
    return resname;
}

public void setResname(String resname) {
    this.resname = resname;
}

public int getPic() {
    return pic;
}

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

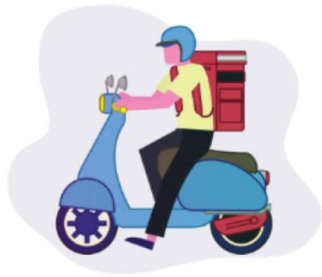
```
public RestaurantDomain() {  
  
}  
  
public ArrayList<Dish_Model> getMenu() {  
    return menu;  
}  
  
public void setMenu(ArrayList<Dish_Model> menu) {  
    this.menu = menu;  
}  
}
```

5. Screen Shots

Main Activity

Welcome

Orderaty



Order Now

CREATE ACCOUNT

SIGN IN

Create Account

Welcome

Orderaty



Order Now

CREATE ACCOUNT

SIGN IN

Orderaty

Create New Account

Name

Email

Phone Number

Address

Password

CREATE ACCOUNT

already have an account?

Sign In

Orderaty

Sign In

[Forgot Password](#)

SIGN IN

Create New Account

SIGN IN WITH GOOGLE

SIGN IN WITH FACEBOOK

Welcome Page

Hello Test!



Explore Restaurants!



Search Restaurants



Free Delivery
On your first order

ORDER NOW

Cusine



Grills



Burger

BROWSE RESTAURANTS

Popular



Papa John's



McDonald's



Home



Profile



Restaurants

Hello Test!



Explore Restaurants!



Search Restaurants



Free Delivery
On your first order

ORDER NOW

Cusine



Burger



Pizza



Chine

BROWSE RESTAURANTS

Popular



John's



McDonald's



KFC



Home



Profile



Restaurants

Restaurants


Restaurants

 Search Restaurants

MCDonald's




Burger

Rating: 4.1 

KFC




Fried Chicken

Rating: 4.3 

Mori Sushi



Sushi

Rating: 4.7 

Papa John's



Pizza



Home



Dish



Profile



Restaurants

Menu



Res Name



Big Mac

90 EGP



ADD TO CART



Cheese Burger

40 EGP



ADD TO CART



McFries

35 EGP



ADD TO CART



Home



Dish



Profile



Restaurants

Cart

Cart



Cheese Burger

Combo Large

Price :40 EGP



Macdo

Combo Large

Price :39 EGP



Big Mac

Combo Large

Price :90 EGP

Subtotal: 294 EGP

Delivery: 100 EGP

Tax 12 EGP

Total: 406 EGP

COMPLETE ORDER



Home



Profile



Restaurants

Profile/ Orders



test@test.com

Orders



Tracking
No.: 123

State: Accepted

Price: EGP 262



Tracking
No.: 123

State: Rejected

Price: EGP 316



Home



Profile



Restaurants

