Assignment 4

Abhiman Singh

21BCE8371

Fragment login code

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout</pre>
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout width="match parent"
    android:layout height="match parent"
    android:orientation="vertical"
    android:gravity="center"
    android:background="@drawable/background login">
    <ImageView</pre>
        android:layout width="120dp"
        android:layout height="120dp"
        android: src="@drawable/logo1"
        android:contentDescription="Login Image"
        android:layout marginBottom="16dp" />
    <EditText
        android:id="@+id/usernameEditText"
        android:layout width="match parent"
        android: layout height="wrap content"
        android:hint="Username"
        android:layout margin="16dp"
        android:textColor="#FFFFFF" />
    <EditText
        android:id="@+id/passwordEditText"
        android:layout width="match parent"
        android: layout height="wrap content"
        android:hint="Password"
        android:inputType="textPassword"
        android:layout margin="16dp"
        android:textColor="#FFFFFF" />
    <Button
        android:id="@+id/loginButton"
        android:layout width="match parent"
        android:layout_height="wrap_content"
        android: text="Login"
        android:layout marginHorizontal="30dp"
        android:layout marginVertical="20dp"
        android:background="#DDC6C6"
        android:textColor="#FFFFFF"
    <LinearLayout</pre>
        android:layout width="match parent"
        android:layout height="wrap content"
        android:orientation="horizontal"
        android:gravity="center"
```

```
android:layout marginTop="16dp" >
                      <ImageView</pre>
                                android:layout width="200dp"
                                 android:layout height="200dp"
                                 android:src="@drawable/food1 login"
                                 android:contentDescription="First Image"
                                 android:layout marginEnd="16dp" />
                      <ImageView</pre>
                                android:layout width="200dp"
                                 android:layout height="200dp"
                                 android:src="@drawable/food2 login"
                                 android:contentDescription="Second Image" />
           </LinearLayout>
</LinearLayout>
 QuickFood | app | src | main | res | layout | fragment login.xml
      - <u>stivity java × </u> afragment login.xml × afragment login.xml × afragment items.xml × afragment items.xml × afragment hotels.xml × ® RestaurantAdapter.java × m² build.gradle.kts (app) × ✓ :
                                                                                                                                                                              ■ Code ■ Split ■ Design
                                                                                                                      (a) 3 △ 16 ^ y g fragment login.xml ∨ | (a) | (C) | (
                    <?xml version="1.0" encoding="utf-8"?>
                                                                                                                                            ⊙ m | ↔
                   <LinearLayout</pre>
                     xmlns:android="http://schemas.android.com/apk/res/android"
android:layout_width="match_parent"
android:layout_height="match_parent"
                        android:orientation="vertical"
                     android:gravity="center"
           9 android:background="@drawable/background_login">
                          <ImageView
                              android: layout width="120dp"
                               android:layout_height="120dp"
        14
                               android:src="@drawable/logo1"
                               android:contentDescription="Login Image"
                     android:layout_marginBottom="16dp" />
                            android:id="@+id/usernameEditText"
                              android:layout_width="match_parent"
                              android:layout_height="wrap_content"
                              android:hint="Userna
                               android:layout_margin="16dp"
                      android:textColor="#FFFFFF" />
                      8:29 CRLF UTF-8 4 spaces 🖫 🖽
☐ Gradle sync finished in 2 s 585 ms (today 21:30)
Fragment hotels code:
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout</pre>
          xmlns:android="http://schemas.android.com/apk/res/android"
          xmlns:tools="http://schemas.android.com/tools"
           android:layout width="match parent"
          android:layout height="match parent"
          android:orientation="vertical"
          android:background="#214E34"
          tools:context=".hotelsFragment">
           <TextView
                     android:layout width="match parent"
                     android:layout_height="212dp"
```

android:layout_marginBottom="25dp"
android:background="@drawable/head"

android:fontFamily="cursive"
android:paddingVertical="50dp"

android:text="List of

Hotels"

```
android:textAlignment="center"
   android:textColor="#FFF"
   android:textSize="50sp"
   android:textStyle="bold"
    tools:ignore="MissingConstraints" />
<TextView
   android:layout width="match parent"
   android:layout height="wrap content"
   android:layout marginHorizontal="30dp"
   android:fontFamily="cursive"
   android:text="Types of Cuisines"
   android:textColor="#FFF"
   android: textSize="40dp"
   android:textStyle="bold"
    tools:layout editor absoluteX="8dp"
    tools:layout editor absoluteY="229dp"
    tools:ignore="MissingConstraints" />
<TextView
   android:layout_width="match_parent"
   android:layout height="wrap content"
   android:layout marginHorizontal="10dp"
   android:fontFamily="serif"
   android:text="
                           4) Indian: American"
   android: textColor="#ffe89d"
   android:textSize="25dp"
   tools:layout_editor_absoluteX="10dp"
   tools:layout editor absoluteY="395dp"
    tools:ignore="MissingConstraints" />
<TextView
   android:layout width="match parent"
   android:layout_height="wrap content"
   android:layout marginHorizontal="10dp"
   android:fontFamily="sans-serif"
   android:text="
                           3) Italian: Vietnamese"
   android:textColor="#ffe89d"
   android:textSize="25dp"
   tools:layout editor absoluteX="9dp"
    tools:layout editor absoluteY="362dp"
    tools:ignore="MissingConstraints" />
<TextView
   android:layout width="match parent"
   android: layout height="wrap content"
   android:layout marginHorizontal="10dp"
   android:fontFamily="serif"
   android:text="
                           2) Korean: Japanese"
   android: textColor="#ffe89d"
   android:textSize="25dp"
   tools:layout editor absoluteX="16dp"
   tools:layout editor absoluteY="329dp"
   tools:ignore="MissingConstraints" />
<TextView
   android:layout width="match parent"
   android:layout height="wrap content"
   android:layout marginHorizontal="10dp"
   android:fontFamily="serif"
   android:text="
                           1) Chinese: Thai"
   android:textColor="#ffe89d"
   android:textSize="25dp"
   tools:layout editor absoluteX="50dp"
    tools:layout editor absoluteY="296dp"
    tools:ignore="MissingConstraints" />
```

```
<ImageButton</pre>
            android:layout width="157dp"
            android:layout height="110dp"
            android:background="@drawable/food1"
            android:clickable="true"
            tools:ignore="MissingConstraints"
            tools:layout_editor_absoluteX="30dp"
            tools:layout editor absoluteY="463dp" />
      <ImageButton</pre>
            android:layout width="154dp"
            android:layout height="97dp"
            android:background="@drawable/food5"
            android:clickable="true"
            tools:layout_editor_absoluteX="207dp"
            tools:layout editor absoluteY="464dp"
            tools:ignore="MissingConstraints" />
      <ImageButton</pre>
            android:layout_width="153dp"
            android:layout height="103dp"
            android:background="@drawable/food2"
            android:clickable="true"
            tools:layout editor absoluteX="30dp"
            tools:layout editor absoluteY="590dp"
            tools:ignore="MissingConstraints" />
      <ImageButton</pre>
            android:layout width="161dp"
            android:layout_height="101dp"
            android:background="@drawable/food4"
            android:clickable="true"
            tools:layout editor absoluteX="207dp"
            tools:layout editor absoluteY="590dp"
            tools:ignore="MissingConstraints" />
</androidx.constraintlayout.widget.ConstraintLayout>
 🛎 Eile Edit View Navigate Code Befactor Build Run Iools VCS Window Help — QuickFood-fragment_hotels.xml [QuickFood.app.main]
                                                          $ ▼ ■ app ▼ □ Nexus 6 API 30 ▼ ▶ □ □ □ □ □ □ □ Q □ □ Q □ □
QuickFood | app | src | main | res | layout | fragment_hotels.xml
  Main/Activity.java × 🍰 fragment_loginxml × 🍰 stylesxml × 🍰 stylesxml × 🍰 fragment_items.xml × 🝰 fragment_hotels.xml × 🕹 Restaurant/Adapter.java × 🐙 build.gradie.kts (:app) × 🔻 🕻
                                                                                                   ■ Code ■ Split ■ Design
ii.
        <?xml version="1.0" encoding="utf-8"?>
                                                           fragment_hotels.xml v 📚 🔘 🚇 Pixel v 🛎 34 v 💿 QuickFood v 💮 💝 😅
                                                 €5 A 23 A V
       <androidx.constraintlayout.widget.ConstraintLayout
                                                         0 € 0dp 5× / I
                                                                                                               0
          xmlns:android="http://schemas.android.com/apk/res/android"
                                                                                                                   Q
           xmlns:tools="http://schemas.android.com/tools"
           android:layout_width="match_parent"
å.
          android:layout_height="match_parent"
          android:orientation="vertical"
           android:background="#214E34"
   8
        tools:context=".hotelsFragment">
  10
           <TextView
                                                                   Types of Cuisines
              android:layout_width="match_parent"
              android:layout_height="212dp"
              android:layout_marginBottom="25dp"
                                                                      2)Korean: Japanese
3)Italian: Vietnamese
  14
              android:background="@drawable/head"
              android:fontFamily="cursive"
  15
                                                                      4)Indian:
                                                                             American
  16
              android:paddingVertical="50dp"
              android:text="List of
  18
        Hotels"
              android:textAlignment="center"
              android:textColor="#FFF"
              android:textSize="50sp"
              android:textStyle="bold"
              tools:ignore="MissingConstraints" />
           <TextView
              andnoid layout width-"match nament"

    Version Control 
    ■ TODO 
    Problems 
    Terminal 
    Services 
    Pap Quality Insights 
    App Inspection 
    Logcat 
    Suild 
    Profiler
    Profiler

                                                                                                         Layout Inspecto
☐ Gradle sync finished in 2 s 585 ms (today 21:30)
                                                                                                24:3 CRLF UTF-8 4 spaces 🦫 🖽
```

Food items code

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"</pre>
```

```
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=".itemsFragment"
android:id="@+id/root home"
android:background="#C4AD9D">
<RelativeLayout
    android:id="@+id/relativeLayout"
    android:layout width="match parent"
    android:layout height="wrap content"
    android:orientation="vertical"
    tools:ignore="MissingConstraints">
    <androidx.constraintlayout.widget.ConstraintLayout</pre>
        android:id="@+id/contraint"
        android:layout width="match parent"
        android:layout height="match parent">
        <LinearLavout</pre>
            android:id="@+id/header"
            android:layout width="193dp"
            android:layout_height="57dp"
            android:layout_marginVertical="30dp"
            android:orientation="horizontal"
            tools:ignore="MissingConstraints">
            <TextView
                android:id="@+id/tv home"
                android:layout width="wrap content"
                android:layout height="match parent"
                android:fontFamily="casual"
                android:paddingLeft="15dp"
                android:paddingTop="20dp"
                android:text="List of Food Items"
                android:textColor="#000"
                android:textSize="25sp"
                android:textStyle="bold" />
        </LinearLayout>
        <TextView
            android:id="@+id/tv would like to eat"
            android:layout width="wrap content"
            android:layout height="wrap content"
            android:layout marginStart="24dp"
            android:layout marginTop="4dp"
            android: fontFamily="casual"
            android:paddingLeft="20dp"
            android:text="What would you like to eat"
            android:textColor="@color/black"
            android:textSize="25sp"
            android:textStyle="bold"
            app:layout constraintStart toStartOf="@+id/header"
            app:layout_constraintTop_toBottomOf="@id/header" />
        <androidx.cardview.widget.CardView</pre>
            android:id="@+id/random meal"
            android:layout width="match parent"
            android:layout height="200dp"
            android:layout marginStart="25dp"
            android:layout marginTop="10dp"
            android:layout marginEnd="25dp"
            android:elevation="2dp"
            app:cardCornerRadius="10dp"
            app:cardUseCompatPadding="true"
            app:layout constraintStart toStartOf="parent"
```

```
app:layout constraintTop toBottomOf="@id/tv would like to eat">
                <ImageView</pre>
                    android:id="@+id/img random meal"
                    android:layout width="match parent"
                    android: layout height="match parent"
                    android:scaleType="centerCrop"
                    android:src="@drawable/mealtest" />
            </androidx.cardview.widget.CardView>
            <TextView
                android:id="@+id/tv over pup items"
                android:layout width="wrap content"
                android:layout_height="wrap_content"
                android:layout marginStart="24dp"
                android:layout marginTop="12dp"
                android: fontFamily="casual"
                android:text="popular items"
                android:textColor="@color/black"
                android:textSize="30sp"
                android:textStyle="bold"
                app:layout constraintStart toStartOf="parent"
                app:layout_constraintTop_toBottomOf="@id/random meal" />
            <TextView
                android:layout width="124dp"
                android:layout height="37dp"
                android:fontFamily="cursive"
                android:text="Masala Dosa"
                android:textSize="23dp"
                android:textStyle="bold"
                tools:ignore="MissingConstraints"
                tools:layout editor absoluteX="70dp"
                tools:layout editor absoluteY="360dp" />
            <TextView
                android:layout width="109dp"
                android:layout height="35dp"
                android:fontFamily="cursive"
                android:text="Bibimbap"
                android:textSize="23dp"
                android:textStyle="bold"
                tools:ignore="MissingConstraints"
                tools:layout editor absoluteX="217dp"
                tools:layout editor absoluteY="408dp" />
            <TextView
                android:id="@+id/txt"
                android:layout width="124dp"
                android:layout height="33dp"
                android: fontFamily="cursive"
                android:text="Lasagna"
                android: textSize="23dp"
                android:textStyle="bold"
                tools:ignore="MissingConstraints"
                tools:layout editor absoluteX="70dp"
                tools:layout editor absoluteY="410dp" />
            <TextView
                android:layout width="114dp"
                android:layout height="42dp"
                android:fontFamily="cursive"
                android:text="Acai Bowl"
                android:textSize="23dp"
                android:textStyle="bold"
```

```
tools:ignore="MissingConstraints"
                tools:layout editor absoluteX="212dp"
                tools:layout editor absoluteY="360dp" />
            <TextView
                android:id="@+id/tv category"
                android:layout width="106dp"
                android:layout height="45dp"
                android: fontFamily="casual"
                android: text="category"
                android:textColor="#000"
                android: textSize="25sp"
                android:textStyle="bold"
                tools:layout editor absoluteX="16dp"
                tools:layout editor absoluteY="461dp" />
            <ImageButton</pre>
                android:id="@+id/starter"
                android:layout width="147dp"
                android:layout height="87dp"
                android:background="@drawable/starters"
                android:clickable="true"
                tools:ignore="MissingConstraints"
                tools:layout editor absoluteX="36dp"
                tools:layout editor absoluteY="506dp" />
            <ImageButton</pre>
                android:layout width="147dp"
                android:layout height="87dp"
                android:background="@drawable/maincourse"
                android:clickable="true"
                tools:ignore="MissingConstraints"
                tools:layout editor absoluteX="212dp"
                tools:layout_editor_absoluteY="506dp" />
            <ImageButton</pre>
                android:layout width="147dp"
                android:layout height="87dp"
                android:background="@drawable/des"
                android:clickable="true"
                tools:ignore="MissingConstraints"
                tools:layout editor absoluteX="36dp"
                tools:layout editor absoluteY="608dp" />
            <ImageButton</pre>
                android:layout width="147dp"
                android:layout height="87dp"
                android:background="@drawable/bev"
                android:clickable="true"
                tools:ignore="MissingConstraints"
                tools:layout editor absoluteX="212dp"
                tools:layout editor absoluteY="608dp" />
        </androidx.constraintlayout.widget.ConstraintLayout>
    </RelativeLayout>
</androidx.constraintlayout.widget.ConstraintLayout>
Activity main.xml:
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout</pre>
    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:orientation="vertical"
    tools:context=".MainActivity">
    <fragment</pre>
        android:id="@+id/host fragment"
        android:layout width="0dp"
        android:layout height="0dp"
        app:layout constraintStart toStartOf="parent"
        app:layout constraintEnd toEndOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout constraintBottom toTopOf="@id/btm nav"
        app:navGraph="@navigation/nav graph"
        android:name="androidx.navigation.fragment.NavHostFragment"/>
    <com.google.android.material.bottomnavigation.BottomNavigationView</pre>
        android:id="@+id/btm nav"
        android:layout width="match parent"
        android:layout height="wrap content"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintBottom_toBottomOf="parent"
        app:menu="@menu/btm mnu"/>
</androidx.constraintlayout.widget.ConstraintLayout>
MainActivity.java:
package com.example.quickfood;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import androidx.navigation.Navigation;
import androidx.navigation.ui.NavigationUI;
import com.google.android.material.bottomnavigation.BottomNavigationView;
class MainActivity : AppCompatActivity() {
        override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity main)
        val bottomNavigation =
        findViewById<BottomNavigationView>(R.id.btm nav)
        val navController =
        Navigation.findNavController(this,R.id.host fragment)
        NavigationUI.setupWithNavController(bottomNavigation, navController)
Build gradle(Module:app).xml:
plugins {
    id("com.android.application")
    id("org.jetbrains.kotlin.android")
android {
    namespace = "com.example.quickfood"
    compileSdk = 33
    defaultConfig {
        applicationId = "com.example.quickfood"
        minSdk = 24
        targetSdk = 33
        versionCode = 1
        versionName = "1.0"
        testInstrumentationRunner =
            "androidx.test.runner.AndroidJUnitRunner"
```

```
}
    buildTypes {
        release {
            isMinifyEnabled = false
            proguardFiles(
                getDefaultProguardFile("proguard-android-optimize.txt"),
                "proguard-rules.pro"
        }
    compileOptions {
        sourceCompatibility = JavaVersion.VERSION_1_8
        targetCompatibility = JavaVersion.VERSION 1 8
    kotlinOptions {
        jvmTarget = "1.8"
    buildFeatures {
       viewBinding = true
    }
}
dependencies {
    implementation("androidx.annotation:annotation:1.6.0")
    implementation("androidx.lifecycle:lifecycle-livedata-ktx:2.6.2")
    implementation("androidx.lifecycle:lifecycle-viewmodel-ktx:2.6.2")
    val nav version = "2.7.3"
    implementation("androidx.core:core-ktx:1.9.0")
    implementation("androidx.appcompat:appcompat:1.6.1")
    implementation("com.google.android.material:material:1.9.0")
    implementation("androidx.constraintlayout:constraintlayout:2.1.4")
    testImplementation("junit:junit:4.13.2")
    \verb"androidTestImplementation" ("\verb"androidx.test.ext:junit:1.1.5")
    androidTestImplementation("androidx.test.espresso:espresso-core:3.5.1")
    // navigation component
    implementation ("androidx.navigation:navigation-
fragment ktx:$nav version")
    implementation ("androidx.navigation:navigation-ui-ktx:$nav version")
    //intuit
    implementation ("com.intuit.sdp:sdp-android:1.0.6")
    implementation ("com.intuit.ssp:ssp-android:1.0.6")
    implementation ("pl.droidsonroids.gif:android-gif-drawable:1.2.17")
}
```