Android app development-SmartInternz (Assignment-4)

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Fragment_login.xml:

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

    <TextView
        android:layout_width="match_parent"
        android:layout_height="228dp"
        android:layout_marginBottom="25dp"
        android:background="@drawable/bg"
        android:fontFamily="cursive"
        android:paddingVertical="80dp"
        android:text="Login"
        android:textAlignment="center"
        android:textColor="#FFF"
        android:textSize="50sp" />
    <TextView
        android:layout_width="match_parent"
        android:layout_marginHorizontal="30dp"
        android:layout_height="wrap_content"
        android:text="User name"
        android:textColor="@color/black"
        android:textSize="18dp"
        />
    <EditText
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginHorizontal="30dp"
        android:layout_marginBottom="30dp"
        />
    <TextView
        android:layout_width="match_parent"
        android:layout_marginHorizontal="30dp"
        android:layout_height="wrap_content"
        android:text="Password"
        android:textColor="@color/black"
        android:textSize="18dp"
        />
    <EditText
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:inputType="textPassword"
```
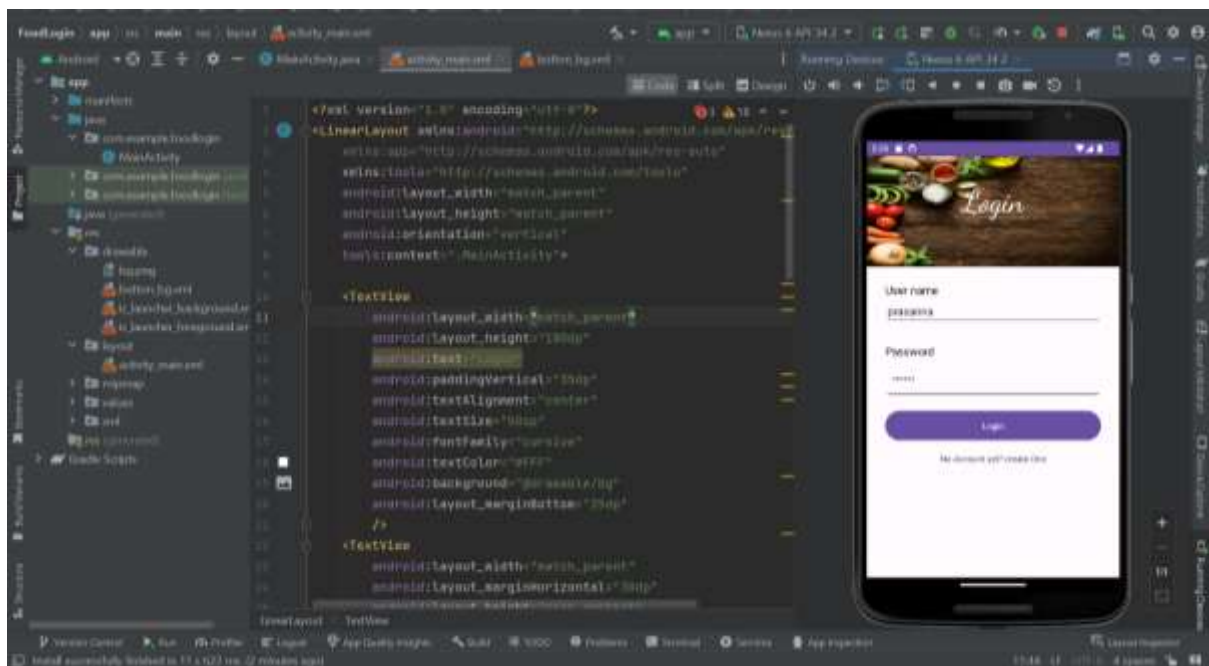
```xml
        android:paddingHorizontal="12dp"
        android:paddingVertical="20dp"
        android:layout_marginHorizontal="30dp"
        />

    <Button
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Login"
        android:layout_marginHorizontal="30dp"
        android:layout_marginVertical="20dp"
        android:background="@drawable/button_bg"
        android:textColor="#fafafa"
        />
    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="No Account yet? create One"
        android:layout_marginHorizontal="30dp"
        android:textAlignment="center"
        />

</LinearLayout>
```
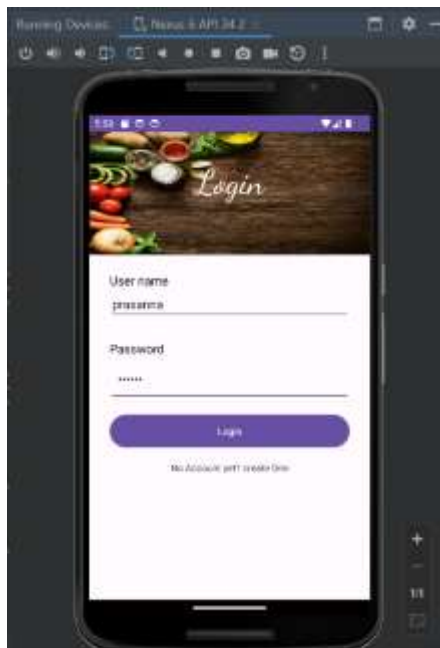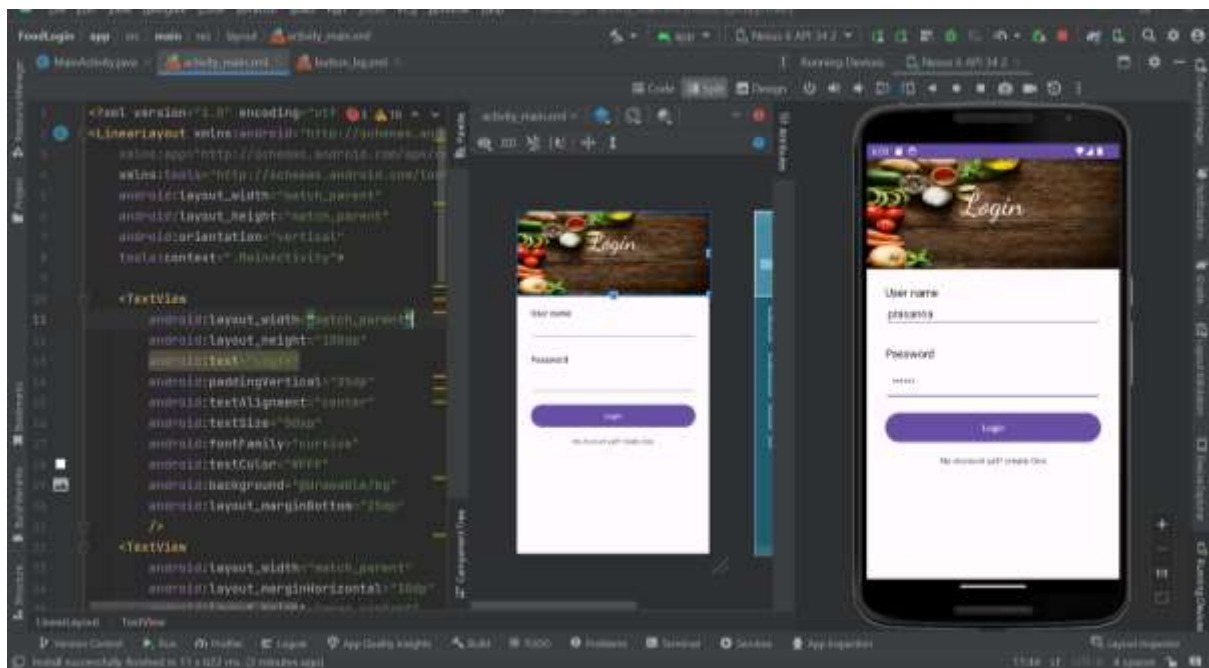
Fragment_items.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".ItemsFragment"
    android:id="@+id/root_home"
    android:background="#9A7">
```

```xml
<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
        android:id="@+id/contraint"
        android:layout_width="match_parent"
        android:layout_height="match_parent">

        <LinearLayout
            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="cursive"
                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="cursive"
            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
            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"
```

```xml
        app:layout_constraintTop_toBottomOf="@id/tv_would_like_to_eat">

            <ImageView
                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="cursive"
            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" />
```

```xml
    <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="91dp"
        android:layout_height="32dp"
        android:fontFamily="cursive"
        android:text="category"
        android:textColor="#000"
        android:textSize="30sp"
        android:textStyle="bold"
        tools:layout_editor_absoluteX="25dp"
        tools:layout_editor_absoluteY="457dp" />
    <ImageButton
        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
        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
        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
        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>
```
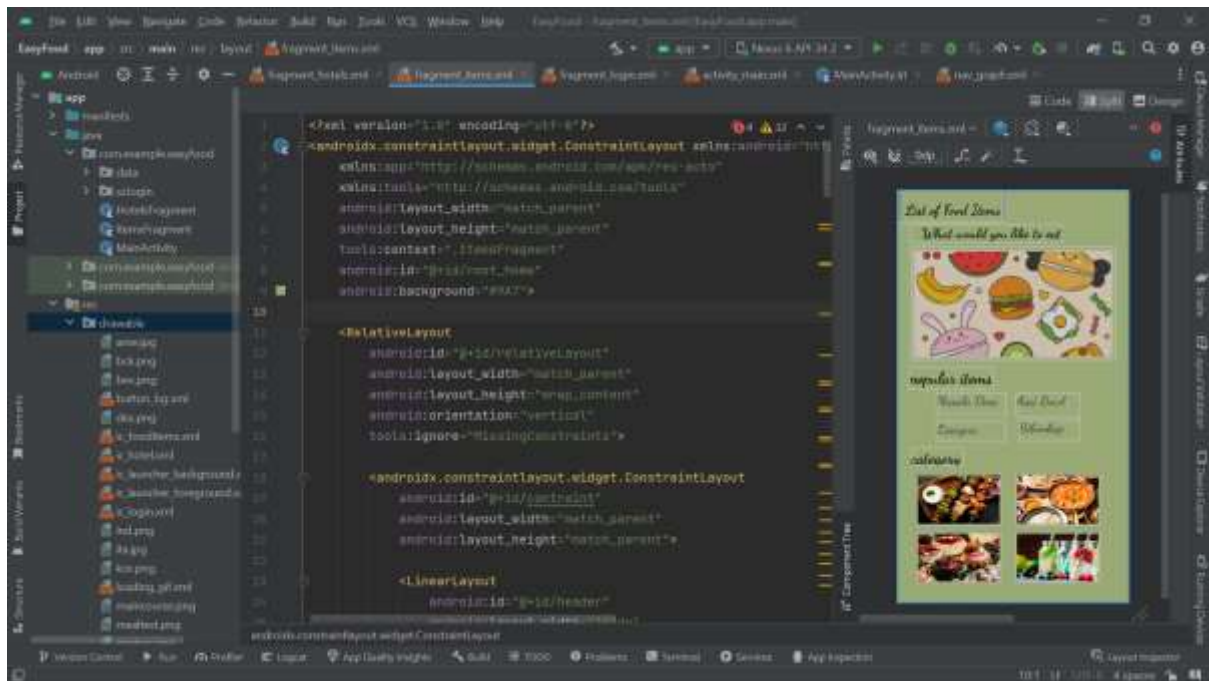
```
        </RelativeLayout>
    </androidx.constraintlayout.widget.ConstraintLayout>
```

Fragment_hotel.xml:

```xml
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
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="#97C1A9"
    tools:context=".HotelsFragment">


    <TextView
        android:layout_width="match_parent"
        android:layout_height="212dp"
        android:layout_marginBottom="25dp"
        android:background="@drawable/bg"
        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="serif"
        android:text="Types of Cuisines"
        android:textColor="#FFF"
        android:textSize="30dp"
        android:textStyle="bold"
        tools:layout_editor_absoluteX="36dp"
        tools:layout_editor_absoluteY="236dp"
        tools:ignore="MissingConstraints" />

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginHorizontal="10dp"
        android:fontFamily="serif"
        android:text="--->Indian      --->American"
        android:textColor="#000"
        android:textSize="25dp"
        tools:layout_editor_absoluteX="30dp"
        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="serif"
        android:text="--->Italian      --->Vietnamese"
        android:textColor="#000"
```

```xml
        android:textSize="25dp"
        tools:layout_editor_absoluteX="36dp"
        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="--->Korean      --->Japanese"
        android:textColor="#000"
        android:textSize="25dp"
        tools:layout_editor_absoluteX="30dp"
        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="--->Chinese     --->Thai"
        android:textColor="#000"
        android:textSize="25dp"
        tools:layout_editor_absoluteX="19dp"
        tools:layout_editor_absoluteY="296dp"
        tools:ignore="MissingConstraints" />

    <ImageButton
        android:layout_width="139dp"
        android:layout_height="117dp"
        android:background="@drawable/ind"
        tools:ignore="MissingConstraints"
        tools:layout_editor_absoluteX="30dp"
        tools:layout_editor_absoluteY="454dp" />

    <ImageButton
        android:layout_width="140dp"
        android:layout_height="109dp"
        android:background="@drawable/ame"
        android:clickable="true"
        tools:layout_editor_absoluteX="194dp"
        tools:layout_editor_absoluteY="457dp"
        tools:ignore="MissingConstraints" />

    <ImageButton
        android:layout_width="134dp"
        android:layout_height="107dp"
        android:background="@drawable/kor"
        android:clickable="true"
        tools:layout_editor_absoluteX="31dp"
        tools:layout_editor_absoluteY="588dp"
        tools:ignore="MissingConstraints" />

    <ImageButton
        android:layout_width="143dp"
        android:layout_height="109dp"
        android:background="@drawable/ita"
        android:clickable="true"
        tools:layout_editor_absoluteX="191dp"
```
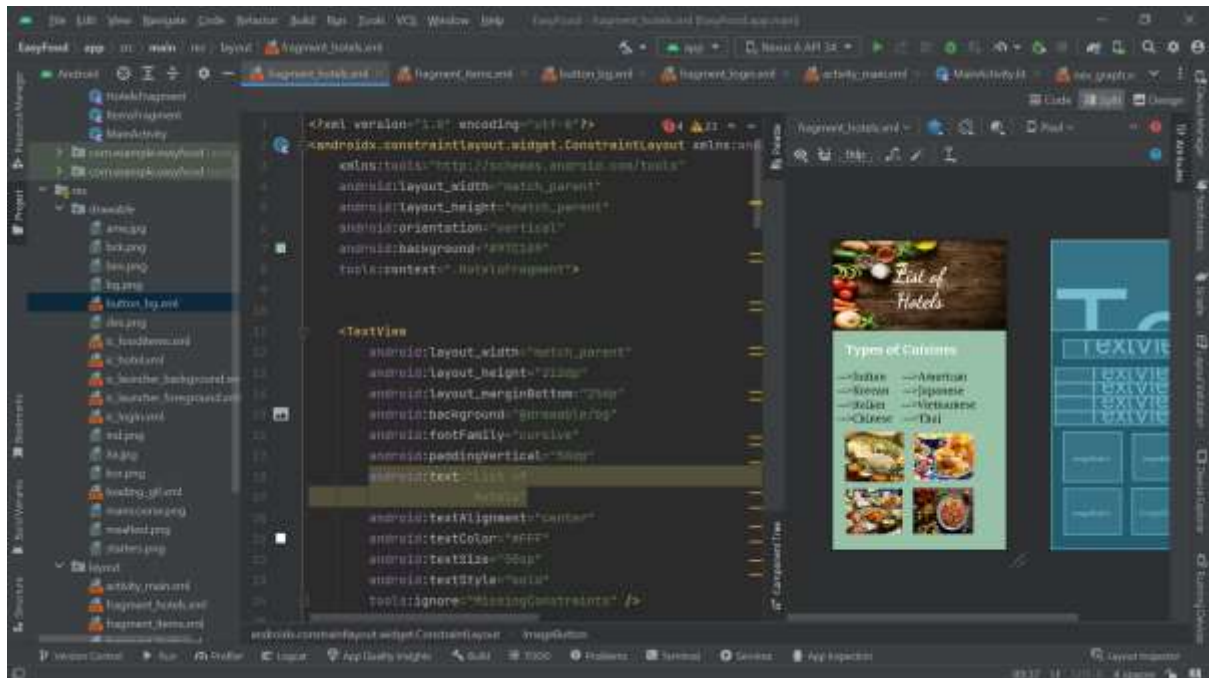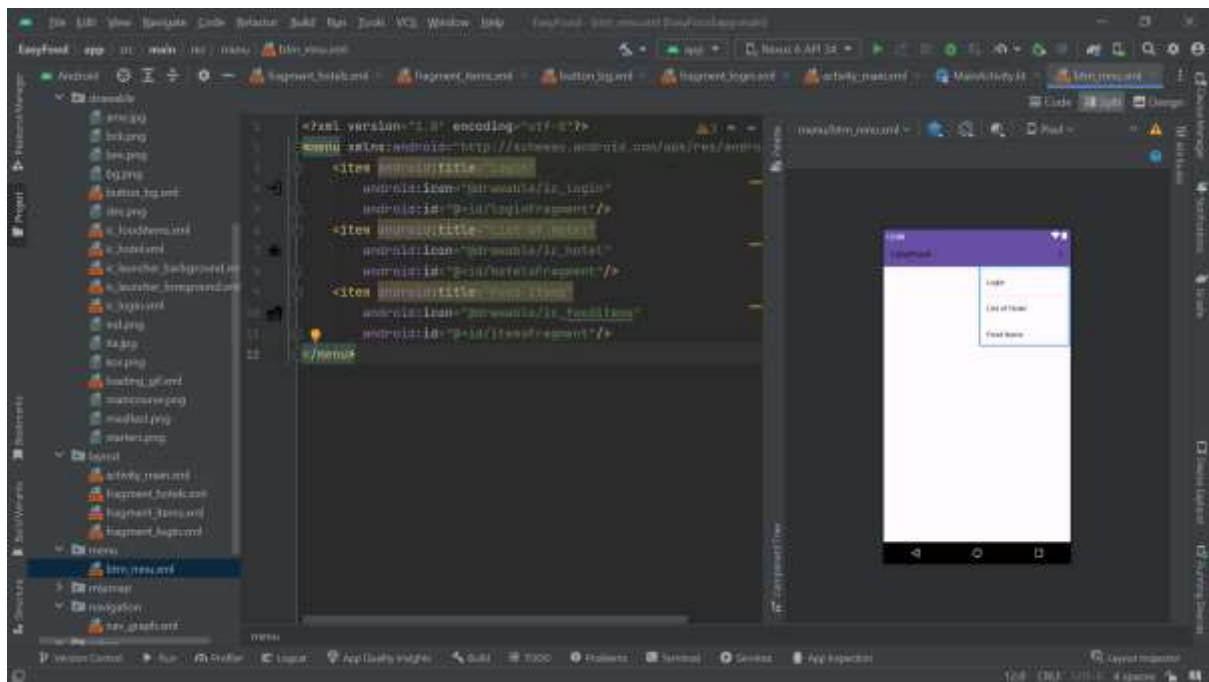
```
        tools:layout_editor_absoluteY="586dp"
        tools:ignore="MissingConstraints" />



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

Btm_mnu.xml:

```xml
<?xml version="1.0" encoding="utf-8"?>
<menu xmlns:android="http://schemas.android.com/apk/res/android">
    <item android:title="Login"
        android:icon="@drawable/ic_login"
        android:id="@+id/loginFragment"/>
    <item android:title="List of Hotel"
        android:icon="@drawable/ic_hotel"
        android:id="@+id/hotelsFragment"/>
    <item android:title="Food Items"
        android:icon="@drawable/ic_fooditems"
        android:id="@+id/itemsFragment"/>
</menu>
```


Activity_main.xml:

```xml
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    tools:context=".MainActivity">


    <fragment
        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"
```

```xml
        app:navGraph="@navigation/nav_graph"
        android:name="androidx.navigation.fragment.NavHostFragment"/>

    <com.google.android.material.bottomnavigation.BottomNavigationView
        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.kt:

```kotlin
package com.example.easyfood

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.kts(app)

```kotlin
plugins {
    id("com.android.application")
    id("org.jetbrains.kotlin.android")
}

android {
    namespace = "com.example.easyfood"
    compileSdk = 33

    defaultConfig {
        applicationId = "com.example.easyfood"
        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.appcompat:appcompat:1.6.1")
    implementation("com.google.android.material:material:1.8.0")
    implementation("androidx.annotation:annotation:1.7.0")
    implementation("androidx.constraintlayout:constraintlayout:2.1.4")
    implementation("androidx.lifecycle:lifecycle-livedata-ktx:2.6.2")
    implementation("androidx.lifecycle:lifecycle-viewmodel-ktx:2.6.2")
    dependencies {
        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")
        androidTestImplementation("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")

        //gif
        implementation("pl.droidsonroids.gif:android-gif-drawable:1.2.17")
    }
}
```

Files created: