



Online Shopping Applicition

Prepared By :

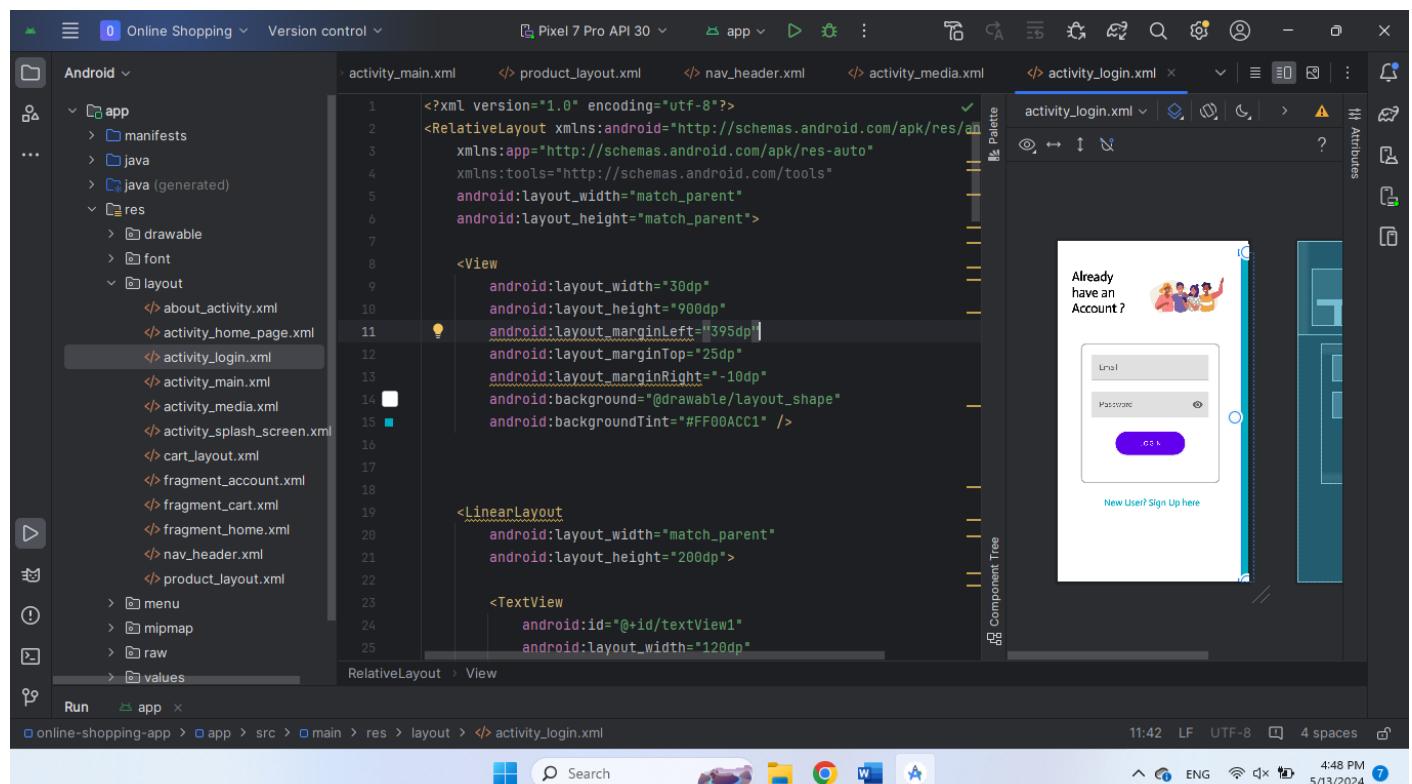
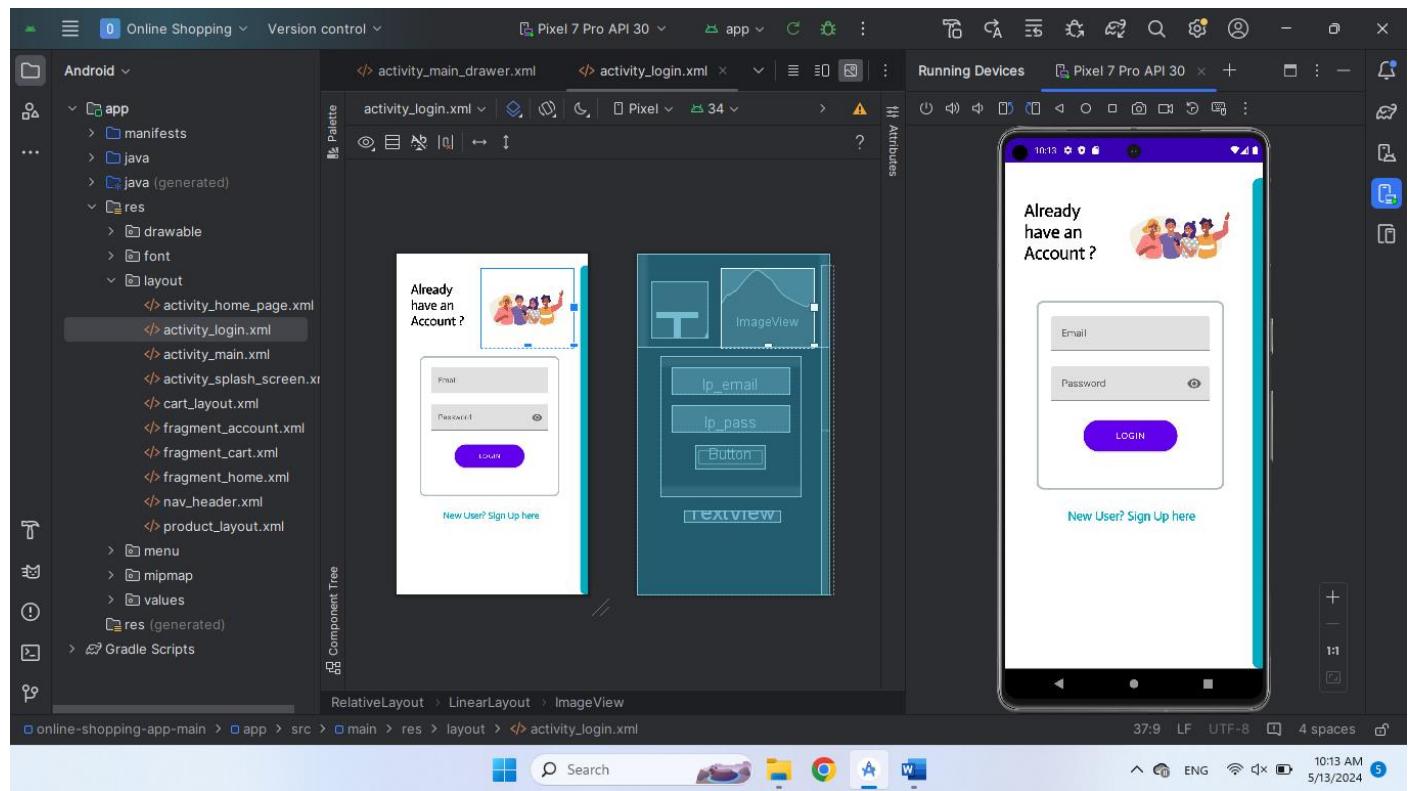
Bashaer tahir 202209010

Fayzah Ahmad 202204077

Ohoud Yahya 202202762

Afaf Ali 202204176

>Login:



Online Shopping Version control Pixel 7 Pro API 30 app

Android

app

activity_main.xml product_layout.xml nav_header.xml activity_media.xml activity_login.xml

activity_login.xml

```
<LinearLayout  
    android:layout_width="match_parent"  
    android:layout_height="200dp">  
  
    <TextView  
        android:id="@+id/textView1"  
        android:layout_width="120dp"  
        android:layout_height="120dp"  
        android:layout_marginLeft="30dp"  
        android:layout_marginTop="60dp"  
  
        android:fontFamily="@font/actor"  
        android:text="Already have an Account ?"  
        android:textAlignment="gravity"  
        android:textColor="#000000"  
        android:textSize="28sp"  
        android:textStyle="bold"/>  
  
    <ImageView  
        android:layout_width="200dp"  
        android:layout_height="170dp"  
        android:layout_marginLeft="30dp"  
        android:layout_marginTop="30dp"  
        android:src="@drawable/signup_stock_1" />  
  
</LinearLayout>
```

RelativeLayout LinearLayout

Component Tree

Already have an Account? New User? Sign Up here

Run app

online-shopping-app > app > src > main > res > layout > activity_login.xml

20:44 LF UTF-8 4 spaces

5/13/2024 4:48 PM

Online Shopping Version control Pixel 7 Pro API 30 app

Android

app

activity_main.xml product_layout.xml nav_header.xml activity_media.xml activity_login.xml

activity_login.xml

```
</LinearLayout>  
  
<LinearLayout  
    android:layout_width="300dp"  
    android:layout_height="300dp"  
    android:layout_marginLeft="50dp"  
    android:layout_marginTop="220dp"  
    android:background="@drawable/layout_shape"  
    android:orientation="vertical">  
  
<com.google.android.material.textfield.TextInputLayout  
    android:id="@+id/emailLayout"  
    android:layout_width="match_parent"  
    android:layout_height="The view should be as big as its parent  
    android:layout_marginS (minus padding). Introduced in API Level 8.  
    android:layout_marginT Online_Shopping.app.main  
    android:layout_marginEnd="24dp"  
  
    app:layout_constraintEnd_toEndOf="parent"  
    app:layout_constraintStart_toStartOf="parent"  
    app:layout_constraintTop_toTopOf="parent">  
  
<com.google.android.material.textfield.TextInputEditText  
    android:id="@+id/editTextEmail" />
```

RelativeLayout LinearLayout

Component Tree

Already have an Account? New User? Sign Up here

Run app

online-shopping-app > app > src > main > res > layout > activity_login.xml

20:44 LF UTF-8 4 spaces

5/13/2024 4:49 PM

Online Shopping Version control Pixel 7 Pro API 30 app

Android

app

res

layout

activity_login.xml

```
</com.google.android.material.textfield.TextInputLayout>
<com.google.android.material.textfield.TextInputLayout
    android:id="@+id/passLayout"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginStart="24dp"
    android:layout_marginTop="24dp"
    android:layout_marginEnd="24dp"

    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:passwordToggleEnabled="true">

    <com.google.android.material.textfield.TextInputEditText
        android:id="@+id/lp_pass"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="Password"
        android:inputType="textPassword" />

</com.google.android.material.textfield.TextInputLayout>
```

Button

android:id="@+id/loginBtn"

Component Tree

Already have an Account?

New User? Sign Up here

Run app

online-shopping-app app src main res layout activity_login.xml

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4:49 PM 5/13/2024

Online Shopping Version control Pixel 7 Pro API 30 app

Android

app

res

layout

activity_login.xml

```
104
105
106
107
108
109
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112
113
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122
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124
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126
127

<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:backgroundTint="#FF00ACC1"/>

<TextView
    android:id="@+id/signup"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginLeft="100dp"
    android:layout_marginTop="55dp"
    android:fontFamily="@font/actor"
    android:text="New User? Sign Up here"
    android:textColor="#00ACCC"
    android:textSize="20sp"
    android:textStyle="bold" />
```

</RelativeLayout>

Component Tree

Already have an Account?

New User? Sign Up here

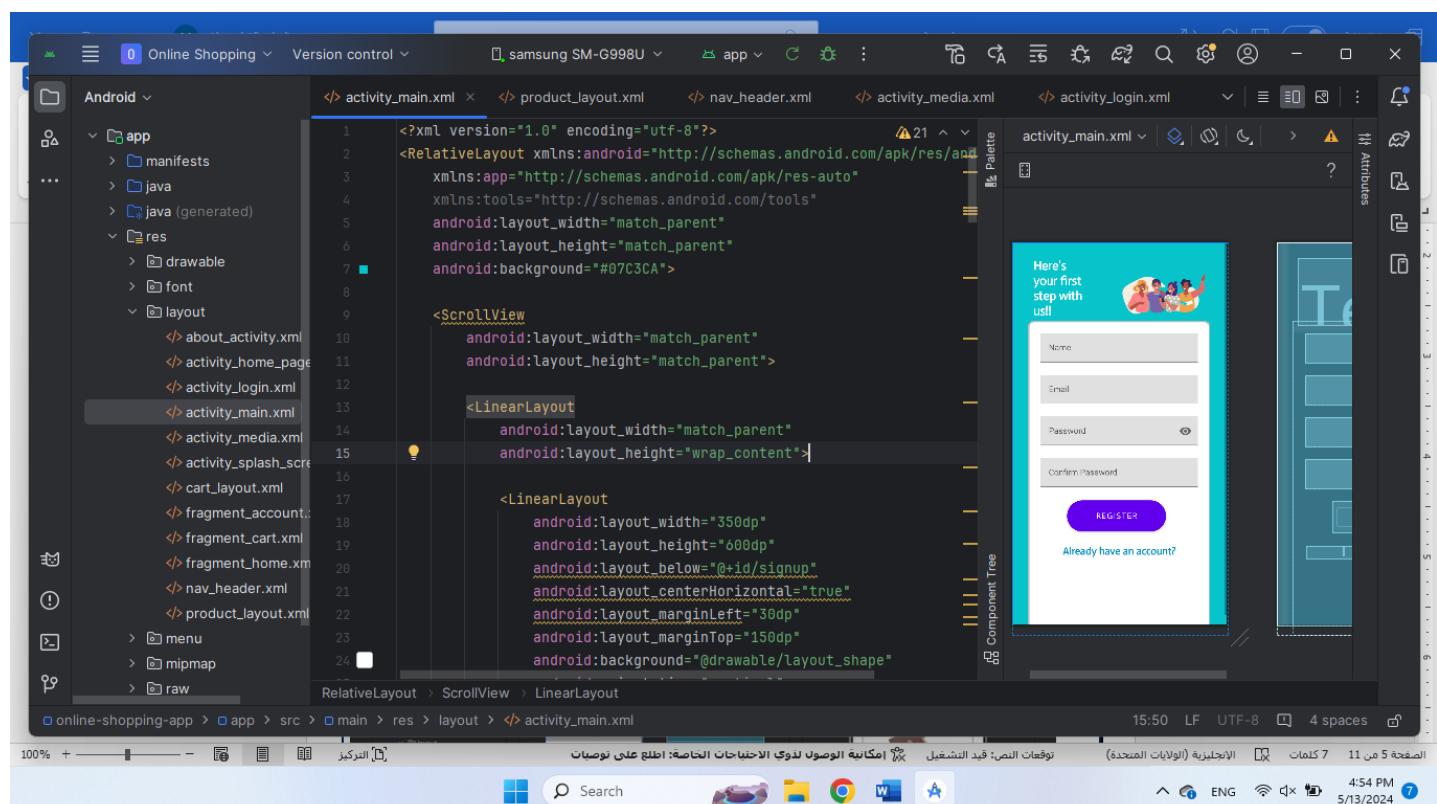
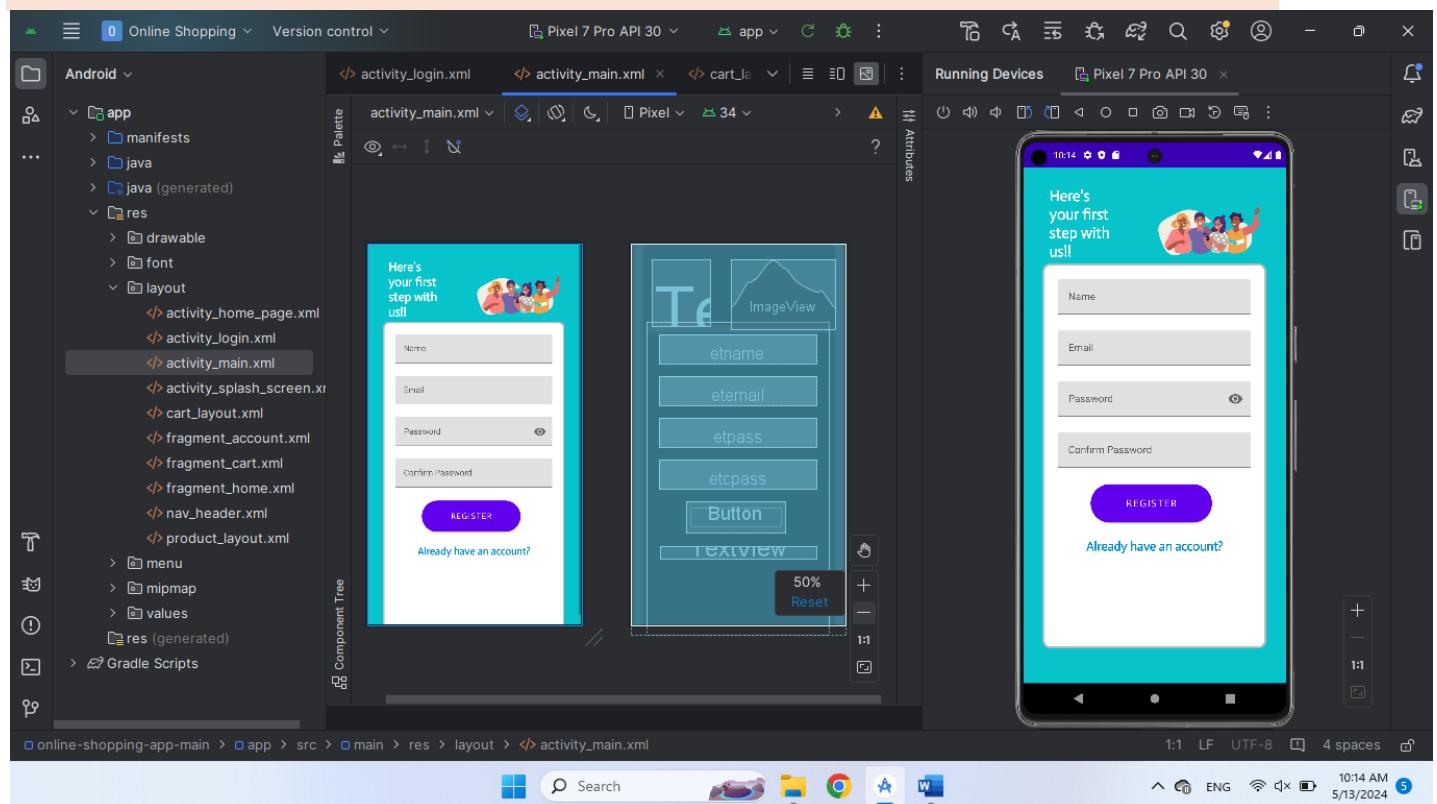
Run app

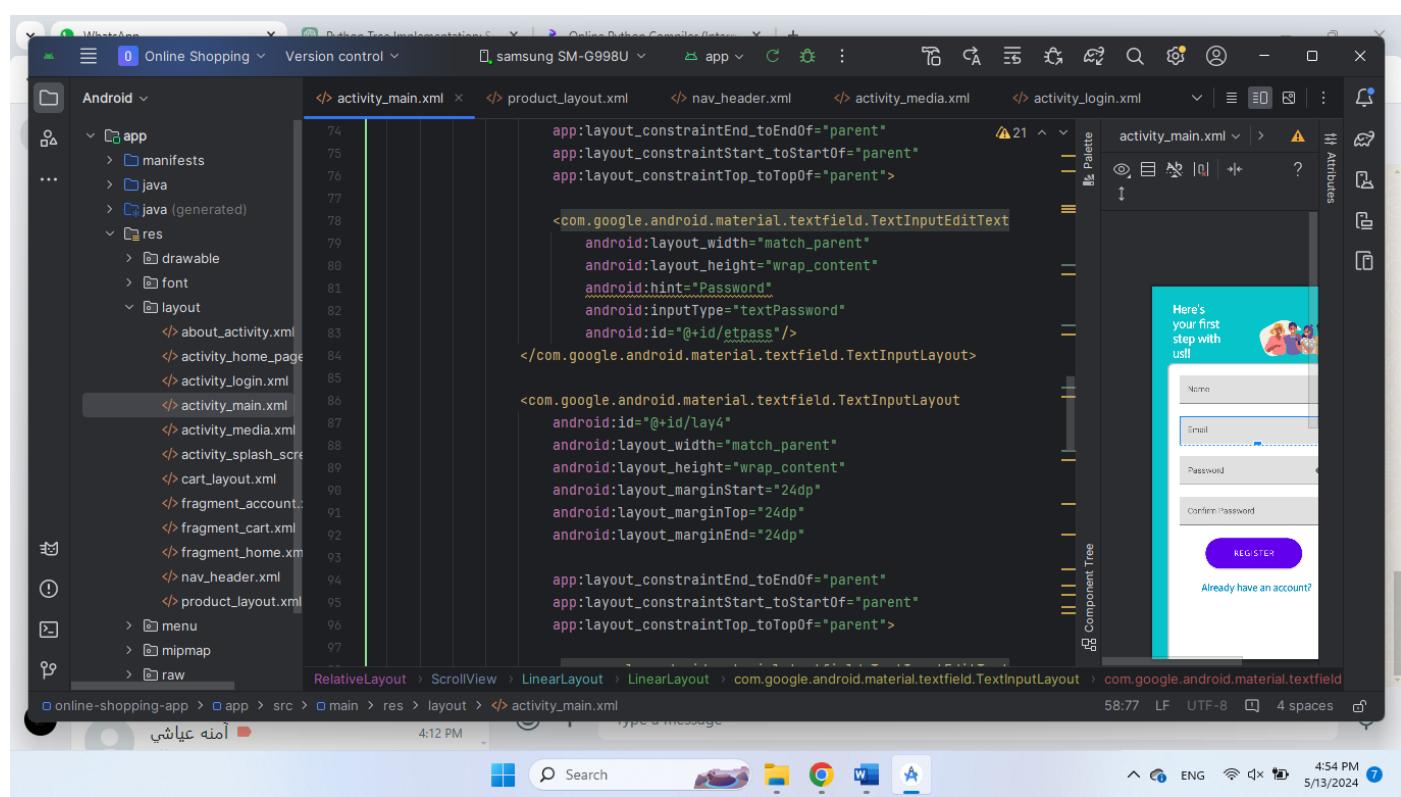
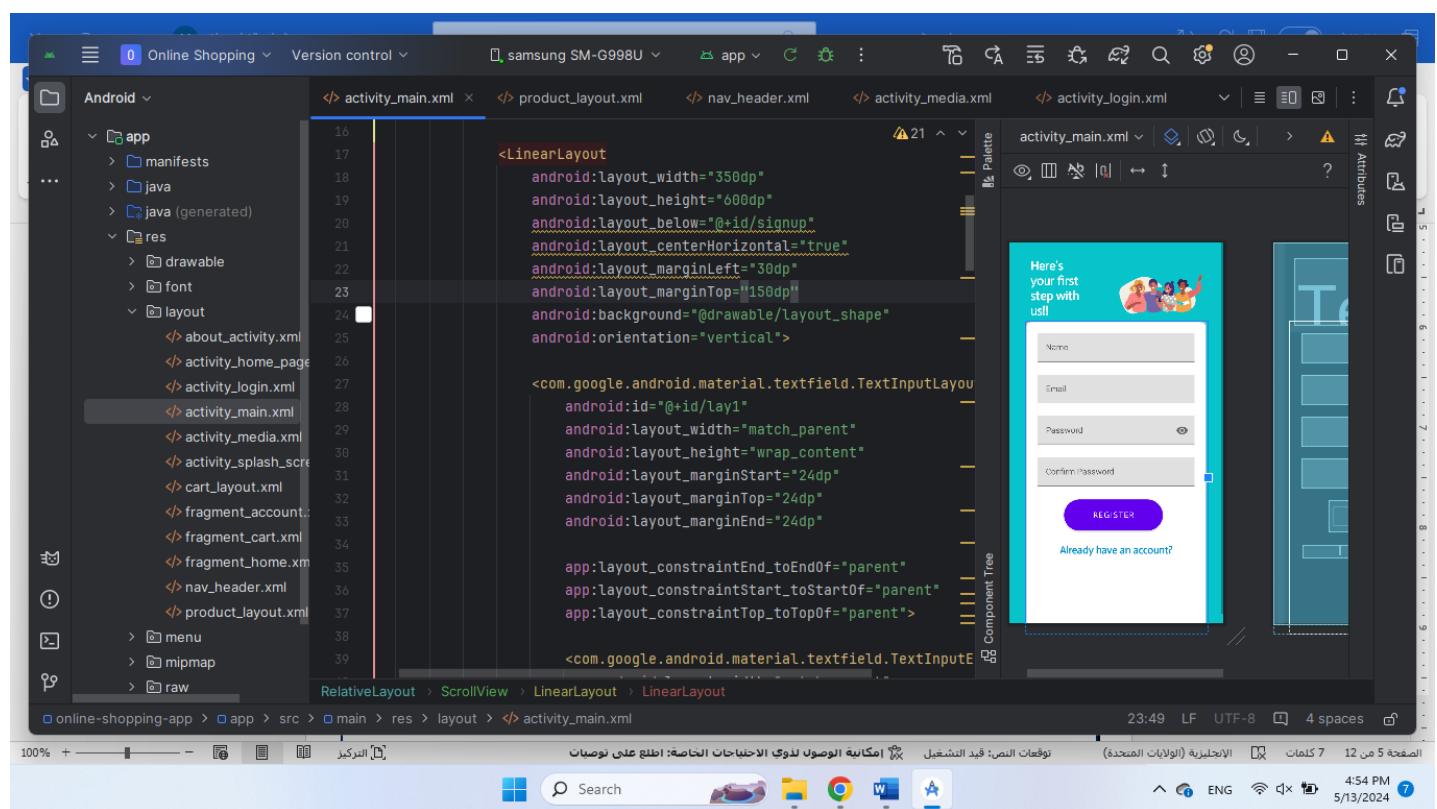
online-shopping-app app src main res layout activity_login.xml

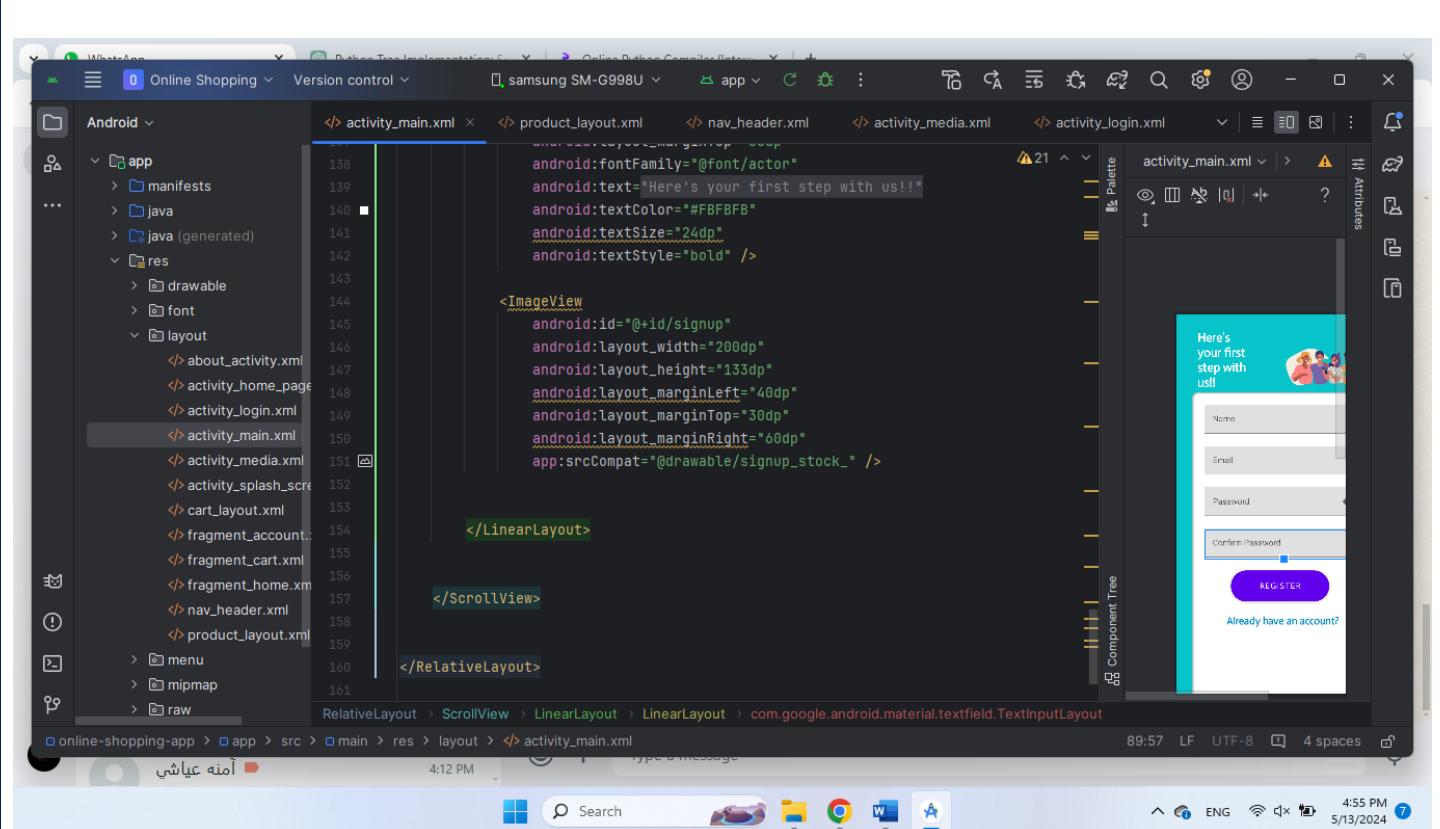
91:40 LF UTF-8 4 spaces

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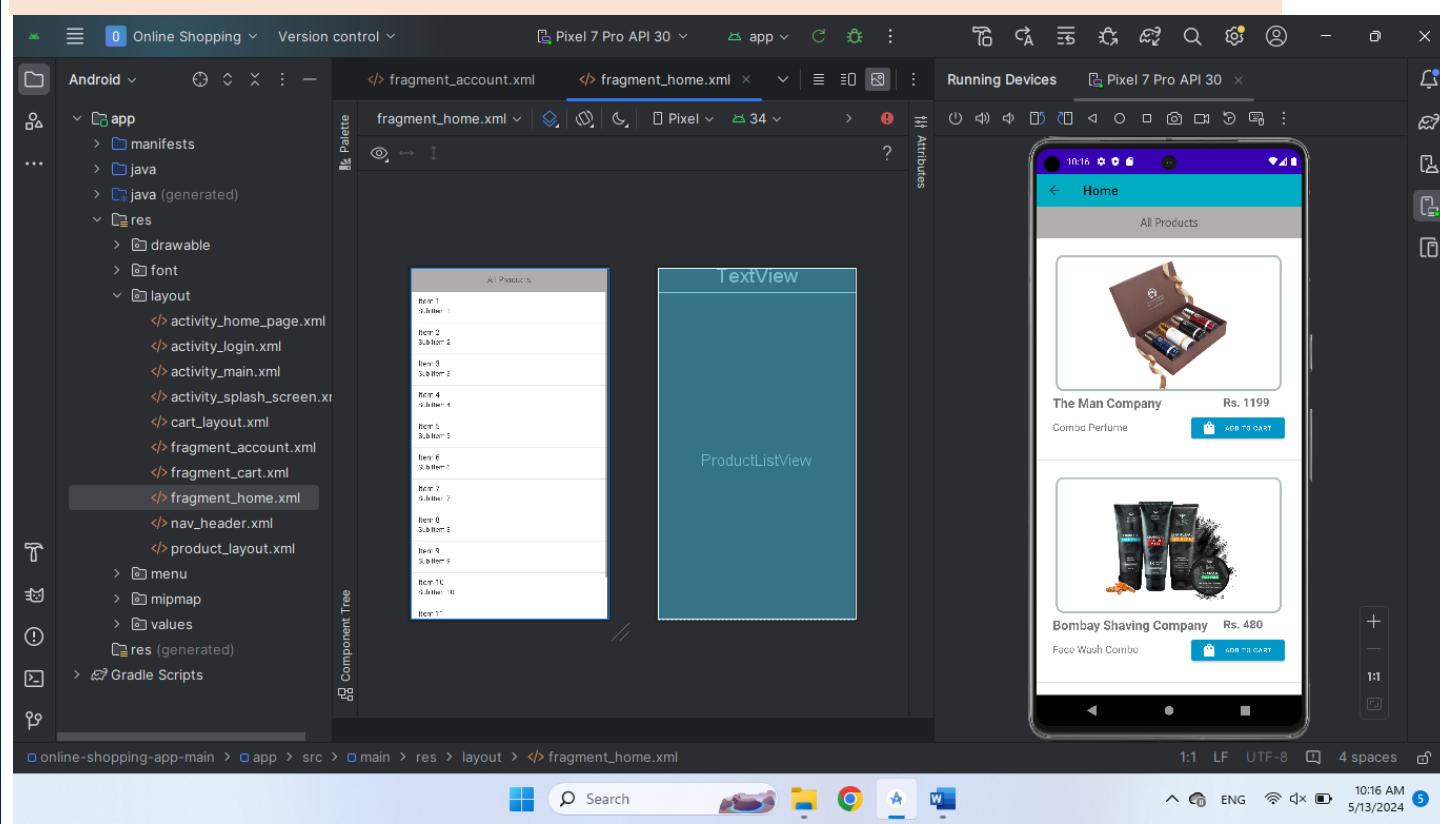
Register:







Home:



```

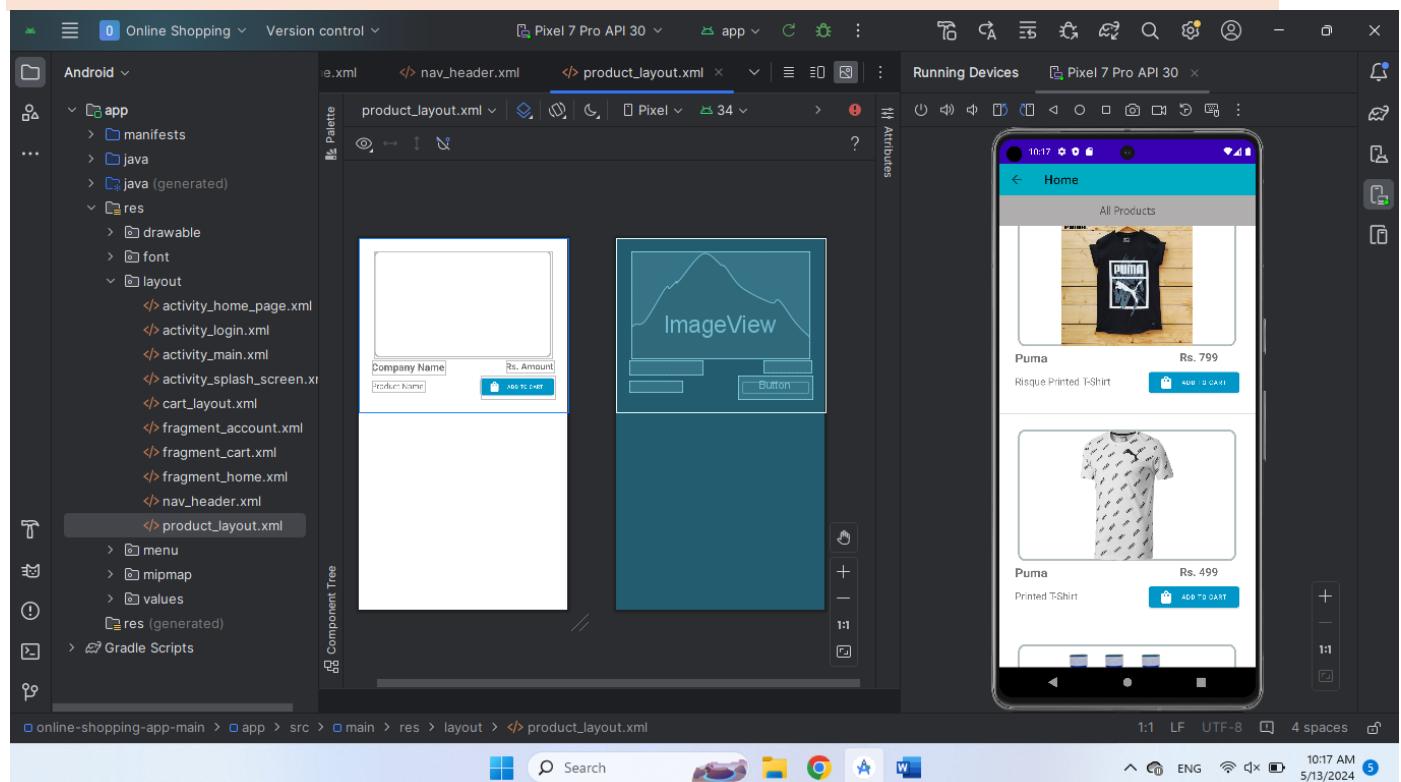
<?xml version="1.0" encoding="utf-8"?>
<FrameLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".home_fragment">

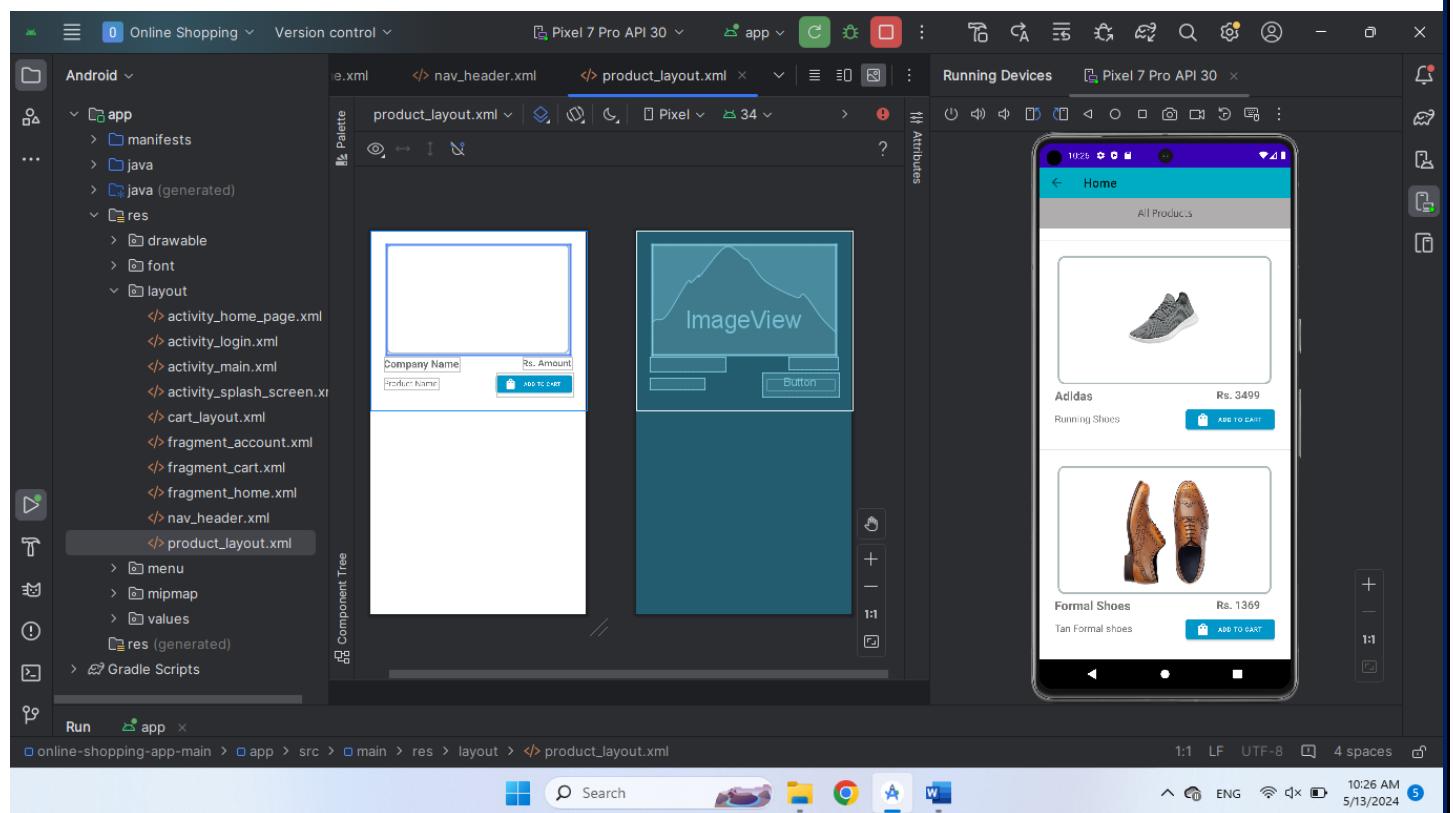
    <TextView
        android:layout_width="match_parent"
        android:layout_height="50dp"
        android:background="#E6A6A4A4"
        android:text="All Products"
        android:fontFamily="@font/actor"
        android:gravity="center"
        android:textSize="18sp"
    />

    <ListView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="50dp"
        android:id="@+id/ProductListView"
        android:footerDividersEnabled="false"
        android:headerDividersEnabled="false"
    />
</FrameLayout>

```

product_layout





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

    <ImageView
        android:id="@+id/proImage"
        android:layout_width="350dp"
        android:layout_height="210dp"
        android:layout_marginLeft="30dp"
        android:layout_marginTop="25dp"
        android:background="@drawable/layout_shape" />

    <TextView
        android:id="@+id/compName"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="25dp"
        android:layout_marginLeft="25dp"
        android:layout_marginTop="240dp"
        android:layout_marginEnd="75dp"
        android:layout_marginBottom="75dp"
        android:text="Company Name"
        android:textSize="20sp"
        android:textStyle="bold" />

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

```

        android:layout_marginLeft="25dp"
        android:layout_marginTop="280dp"
        android:text="Product Name"
        android:textSize="16sp" />

    <TextView
        android:id="@+id/amtView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginLeft="290dp"
        android:layout_marginTop="240dp"
        android:text="Rs. Amount"
        android:textSize="18sp"
        android:textStyle="bold" />

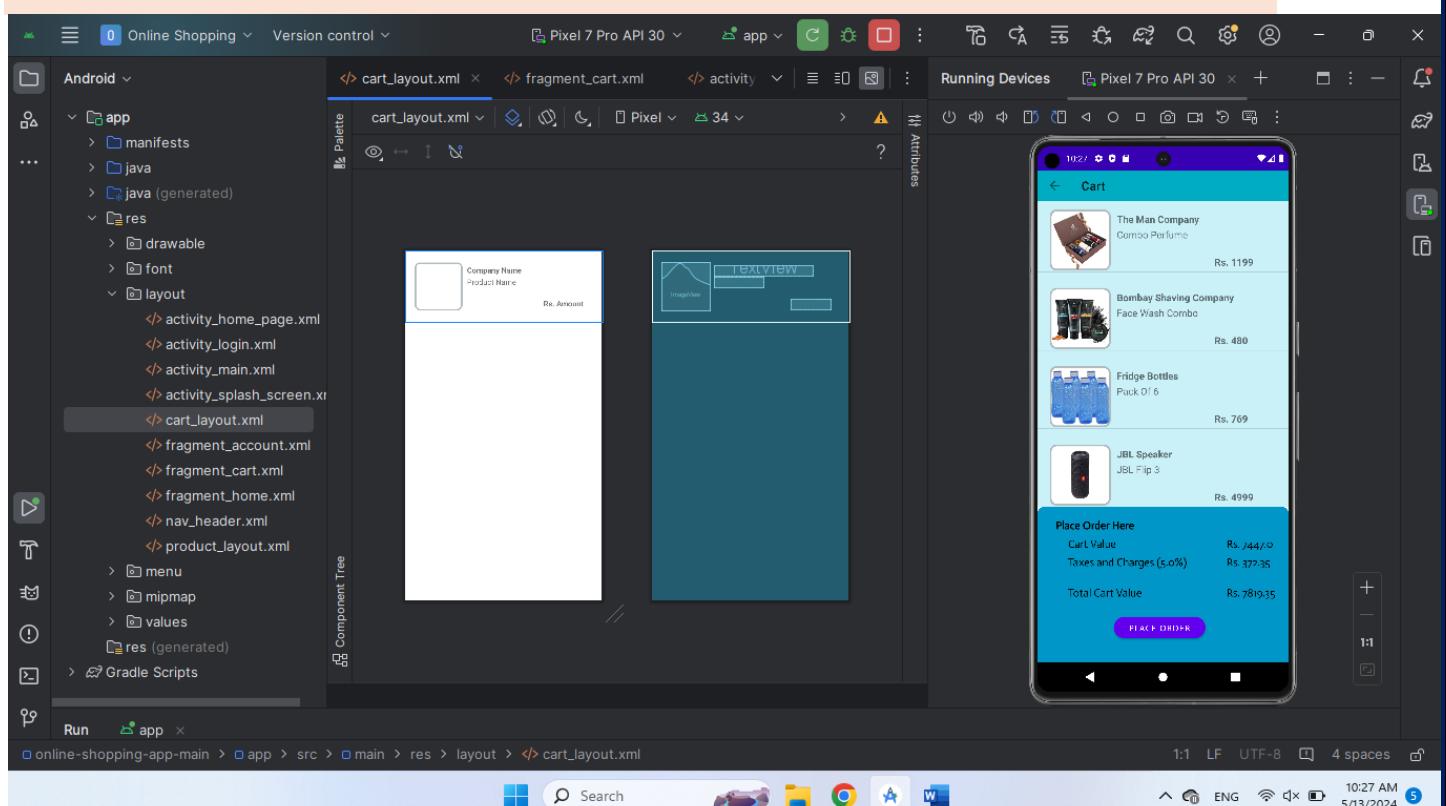
    <Button
        android:id="@+id/cartImg"

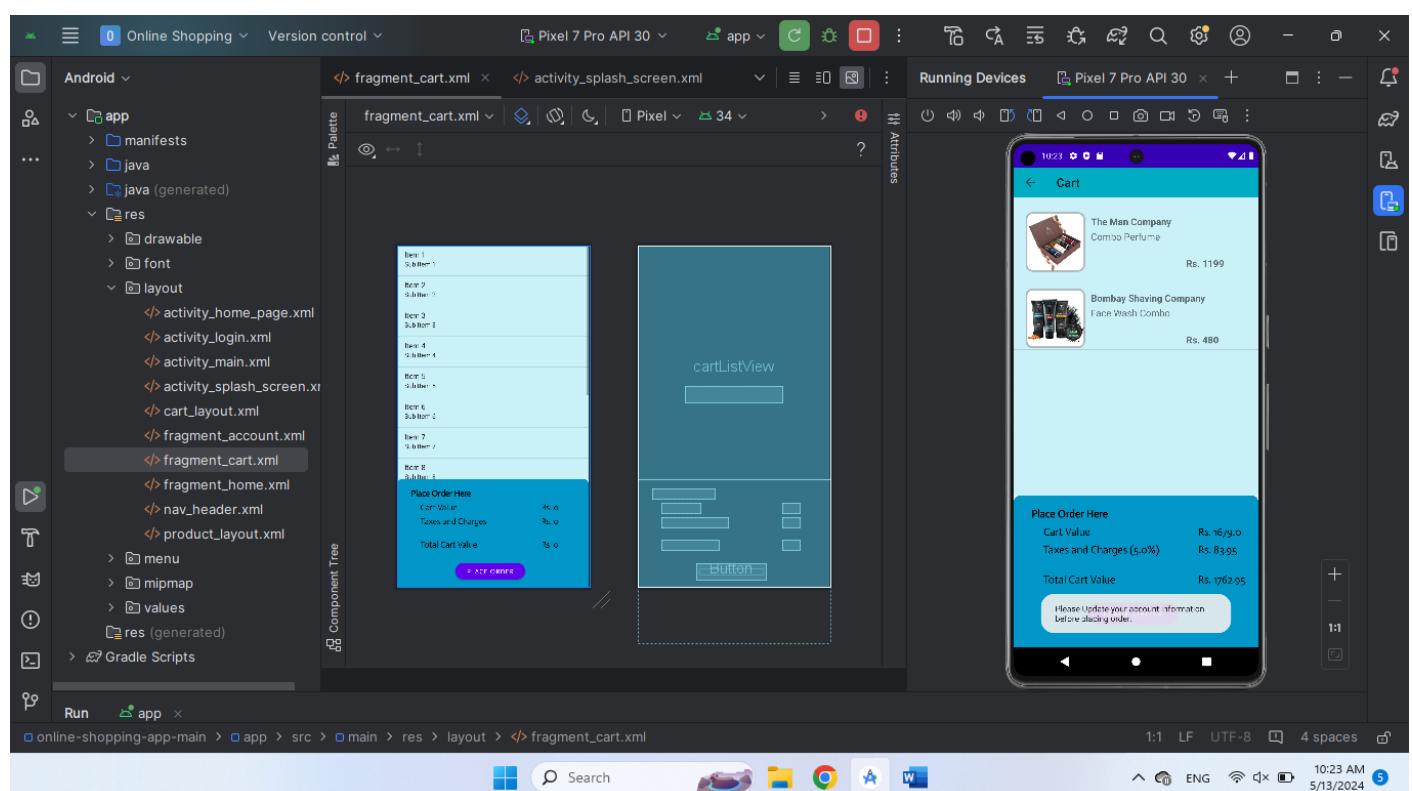
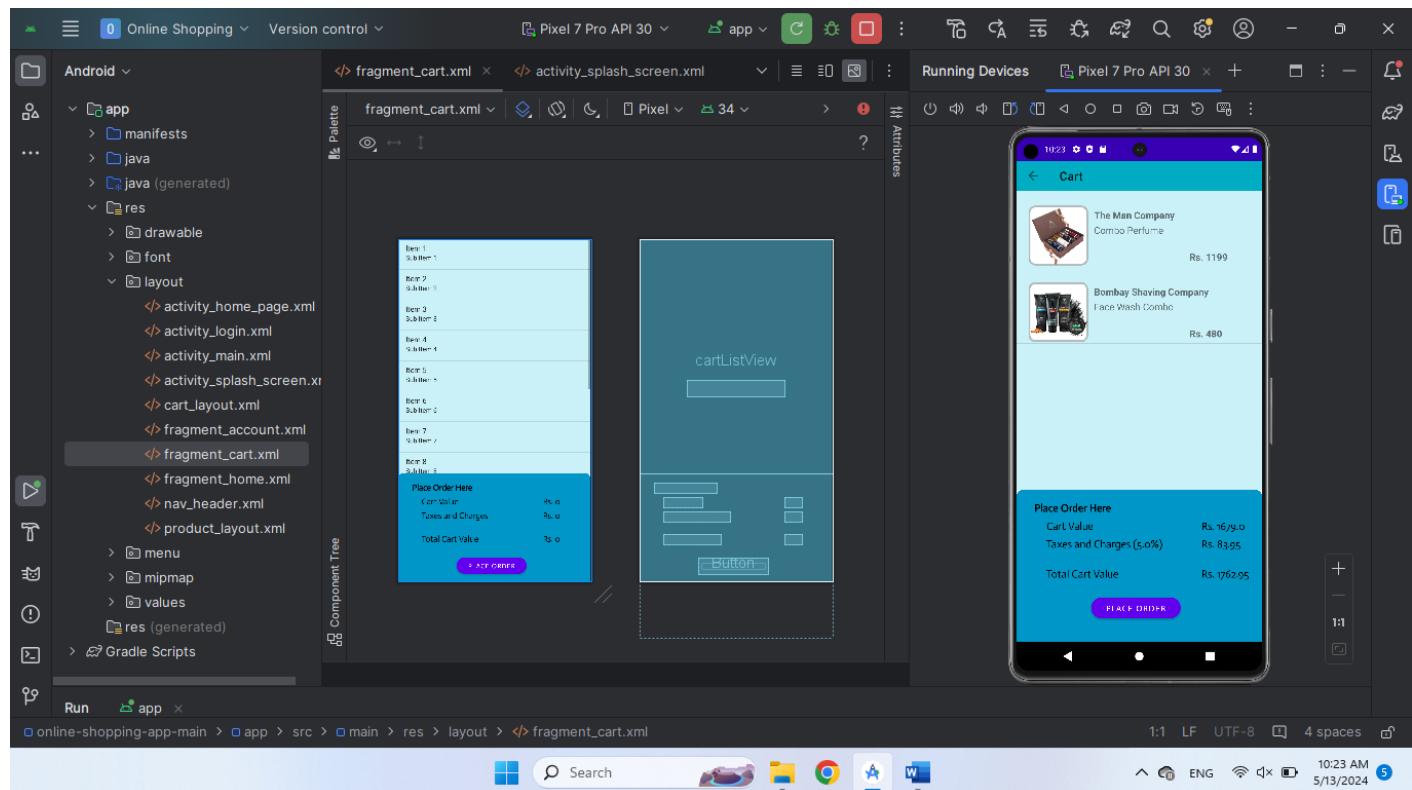
        android:layout_width="145dp"
        android:layout_height="45dp"
        android:layout_marginStart="240dp"
        android:layout_marginTop="270dp"
        android:backgroundTint="@color/accInfoColor"
        android:text="Add to cart"
        android:textSize="10sp"
        app:icon="@drawable/ic_baseline_shopping_bag_24" />

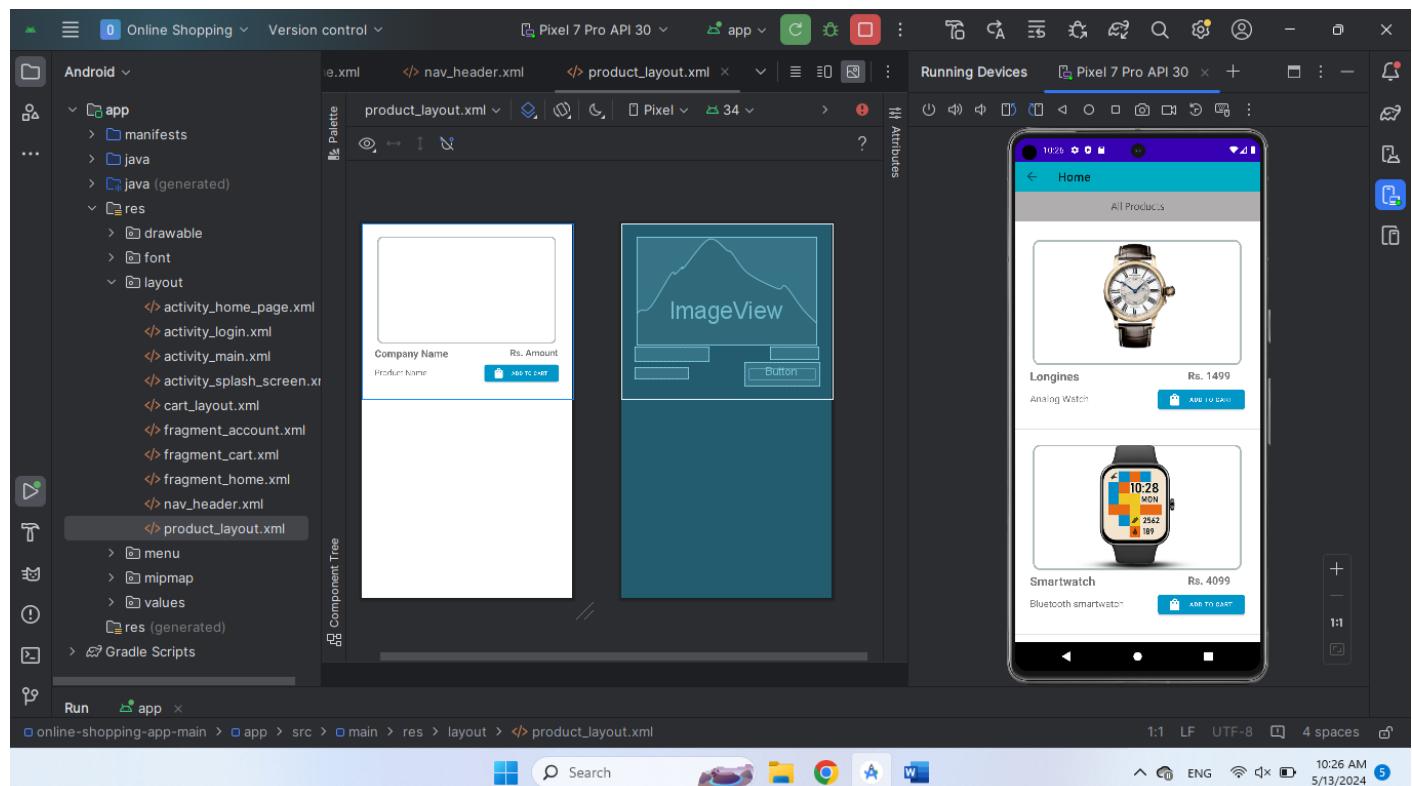
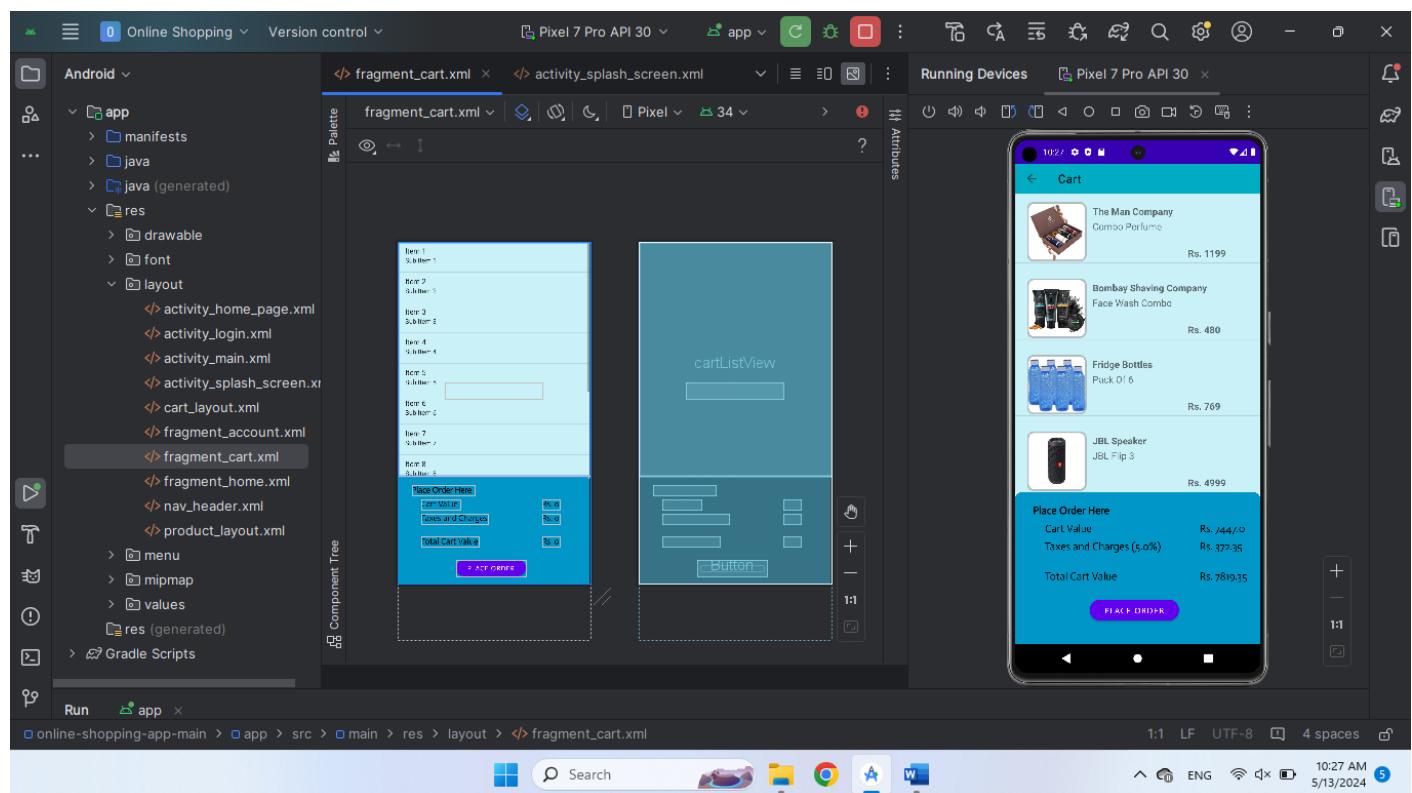
</RelativeLayout>

```

Cart page







```
<?xml version="1.0" encoding="utf-8"?>
<FrameLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
```

```
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        tools:context=".cart_fragment">

    <ListView
        android:layout_width="wrap_content"
        android:layout_height="500dp"
        android:id="@+id/cartListView"
        android:footerDividersEnabled="true"
        android:headerDividersEnabled="false"
        android:background="@color/accInfo"
    />
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:id="@+id/emptyCart"
        android:text="Your cart is empty"
        android:layout_marginLeft="100dp"
        android:layout_marginTop="300dp"
        android:textSize="26sp"
        android:visibility="invisible"
    />
    <RelativeLayout
        android:layout_width="match_parent"
        android:layout_height="350dp"
        android:layout_marginTop="500dp"
        android:background="@drawable/layout_shape"
        android:backgroundTint="@color/accInfoColor">

        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginLeft="30dp"
            android:layout_marginTop="20dp"
            android:fontFamily="@font/actor"
            android:text="Place Order Here "
            android:textColor="@color/black"
            android:textSize="18sp"
            android:textStyle="bold" />

        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginLeft="50dp"
            android:layout_marginTop="50dp"
            android:text="Cart Value "
            android:textStyle=""
            android:fontFamily="@font/actor"
            android:textSize="18sp"
            android:textColor="@color/black"
        />

        <TextView
            android:id="@+id/cartVal"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginLeft="310dp"
            android:layout_marginTop="50dp"
            android:fontFamily="@font/actor"
            android:text="Rs. 0"
            android:textColor="@color/black"
```

```
        android:textSize="18sp"
        android:textStyle="" />

    <TextView
        android:id="@+id/taxes"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginLeft="50dp"
        android:layout_marginTop="80dp"
        android:fontFamily="@font/actor"
        android:text="Taxes and Charges"
        android:textColor="@color/black"
        android:textSize="18sp" />
    <TextView
        android:id="@+id/cartTV"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginLeft="310dp"
        android:layout_marginTop="80dp"
        android:text="Rs. 0"
        android:fontFamily="@font/actor"
        android:textSize="18sp"
        android:textColor="@color/black"
        />

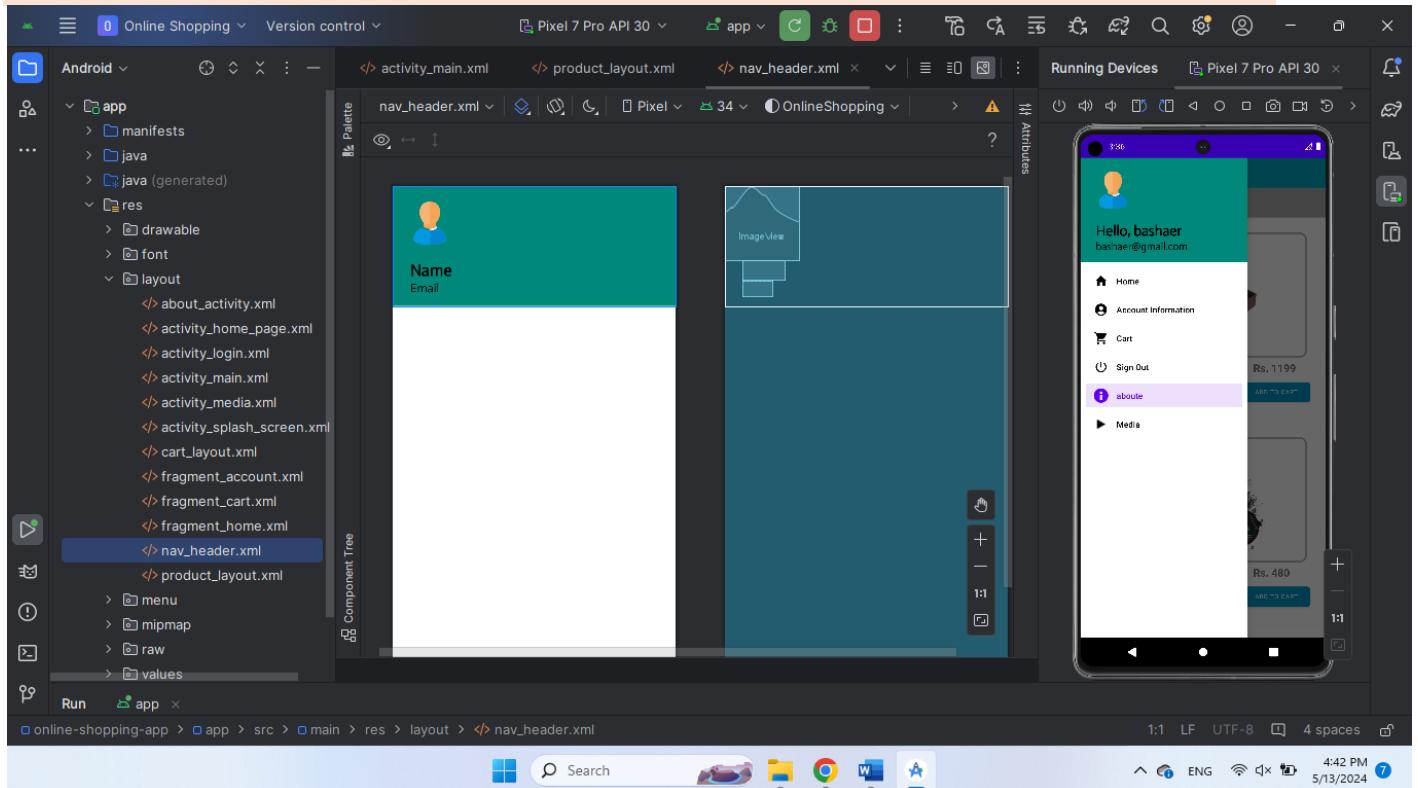
    <TextView

        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginLeft="50dp"
        android:layout_marginTop="130dp"
        android:fontFamily="@font/actor"
        android:text="Total Cart Value"
        android:textColor="@color/black"
        android:textSize="18sp" />
    <TextView
        android:id="@+id/totCV"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginLeft="310dp"
        android:layout_marginTop="130dp"
        android:text="Rs. 0"
        android:fontFamily="@font/actor"
        android:textSize="18sp"
        android:textColor="@color/black"
        />

    <Button
        android:id="@+id/placeOrder"
        android:layout_width="150dp"
        android:layout_height="35dp"
        android:layout_marginStart="125dp"
        android:layout_marginTop="180dp"
        android:background="@drawable/button_shape"
        android:fontFamily="@font/actor"
        android:text="Place Order" />

    </RelativeLayout>
</FrameLayout>
```

activity_home_page



```
<?xml version="1.0" encoding="utf-8"?>
<androidx.drawerlayout.widget.DrawerLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:id="@+id/drawerLayout"
    tools:openDrawer="start"
    tools:context=".HomePage">

    <RelativeLayout
        android:layout_width="wrap_content"
        android:layout_height="wrap_content">

        <androidx.appcompat.widget.Toolbar
            android:id="@+id/toolbar"
            android:layout_width="match_parent"
            android:layout_height="50dp"
            android:background="@color/themeColor"
            android:textAlignment="center"
            android:titleTextColor="@color/cardview_light_background"
            app:title="Home">

            </androidx.appcompat.widget.Toolbar>

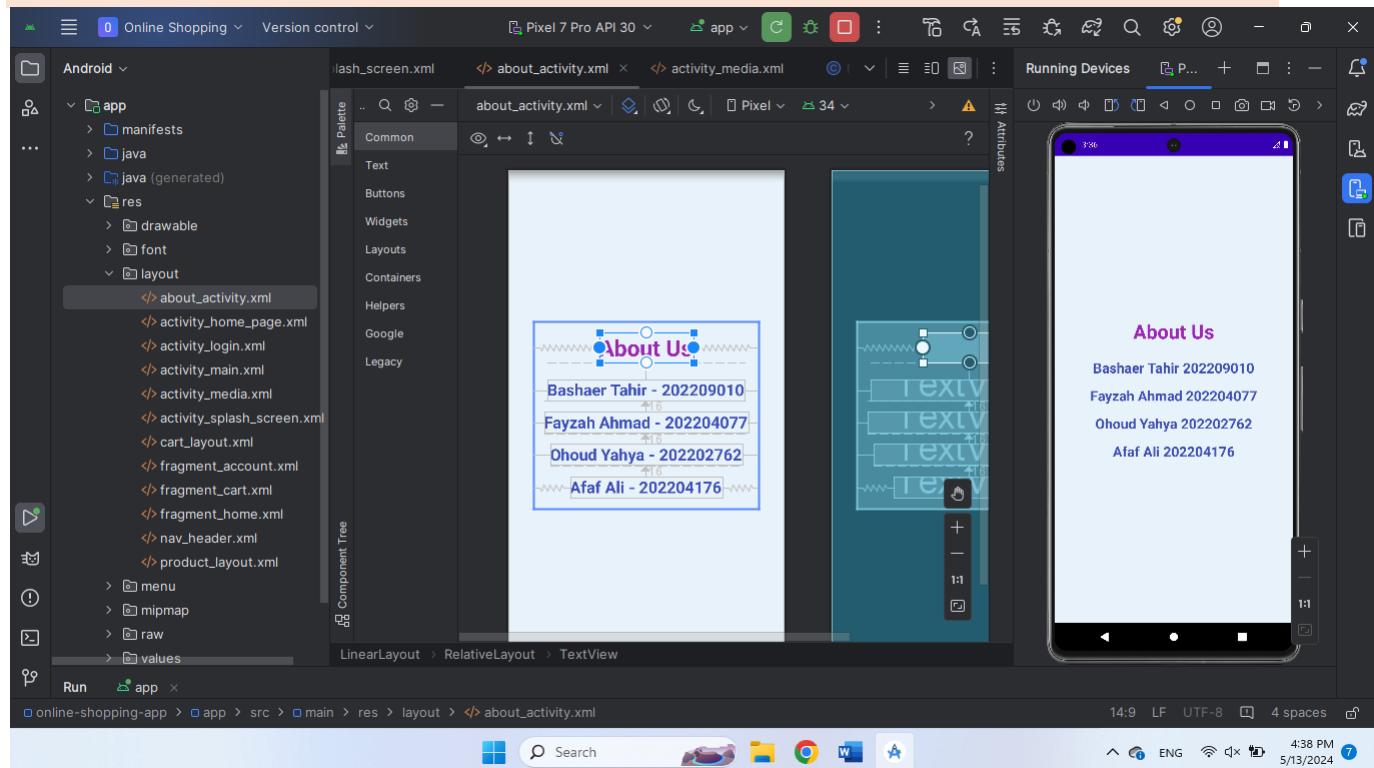
        <androidx.fragment.app.FragmentContainerView
            android:id="@+id/fragment_container"
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            >
```

```
        android:layout_marginTop="50dp" />
    </RelativeLayout>

    <com.google.android.material.navigation.NavigationView
        android:id="@+id/navMenu"
        android:layout_width="wrap_content"
        android:layout_height="match_parent"
        android:layout_gravity="start"
        app:headerLayout="@layout/nav_header"
        app:menu="@menu/activity_main_drawer" />

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

Contact page



Samsung SM-G998U

about_activity.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="#E8F2FA"
    android:gravity="center"
    android:orientation="vertical">

    <RelativeLayout
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:padding="16dp">

        <TextView
            android:id="@+id/textViewTitle"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_centerHorizontal="true"
            android:layout_marginBottom="24dp"
            android:text="About Us"
            android:textColor="#9C27B0"
            android:textSize="34sp"
            android:textStyle="bold" />

        <TextView
            android:id="@+id/textViewRachael"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_centerHorizontal="true"
            android:layout_marginTop="16dp"
            android:text="Rachael - 202204176"
            android:textColor="#3F51B5"
            android:textSize="24sp"
            android:textStyle="bold" />

        <TextView
            android:id="@+id/textViewBashaer"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_below="@+id/textViewTitle"
            android:layout_centerHorizontal="true"
            android:text="Bashaer Tahir - 202209010"
            android:textColor="#3F51B5"
            android:textSize="24sp"
            android:textStyle="bold" />

        <TextView
            android:id="@+id/textViewFayzah"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_below="@+id/textViewBashaer"
            android:layout_centerHorizontal="true"
            android:layout_marginTop="16dp"
            android:text="Fayzah Ahmad - 202204077"
            android:textColor="#3F51B5"
            android:textSize="24sp"
            android:textStyle="bold" />

        <TextView
            android:id="@+id/textViewOhoud"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_centerHorizontal="true"
            android:layout_marginTop="16dp"
            android:text="Ohoud Yahya - 202202762"
            android:textColor="#3F51B5"
            android:textSize="24sp"
            android:textStyle="bold" />

    </RelativeLayout>

```

Component Tree

Attributes

Online Shopping

Version control

app

about_activity.xml

product_layout.xml

activity_media.xml

fragment_cart.xml

activity_login.xml

activity_main.xml

activity_media.xml

activity_splash_screen.xml

cart_layout.xml

fragment_account.xml

fragment_cart.xml

fragment_home.xml

nav_header.xml

product_layout.xml

menu

mipmap

raw

values

res (generated)

online-shopping-app > app > src > main > res > layout > about_activity.xml

9:20 LF UTF-8 4 spaces

5:03 PM 5/13/2024

Samsung SM-G998U

about_activity.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="#E8F2FA"
    android:gravity="center"
    android:orientation="vertical">

    <RelativeLayout
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:padding="16dp">

        <TextView
            android:id="@+id/textViewTitle"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_centerHorizontal="true"
            android:layout_marginBottom="24dp"
            android:text="About Us"
            android:textColor="#9C27B0"
            android:textSize="34sp"
            android:textStyle="bold" />

        <TextView
            android:id="@+id/textViewRachael"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_centerHorizontal="true"
            android:layout_marginTop="16dp"
            android:text="Rachael - 202204176"
            android:textColor="#3F51B5"
            android:textSize="24sp"
            android:textStyle="bold" />

        <TextView
            android:id="@+id/textViewBashaer"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_below="@+id/textViewTitle"
            android:layout_centerHorizontal="true"
            android:text="Bashaer Tahir - 202209010"
            android:textColor="#3F51B5"
            android:textSize="24sp"
            android:textStyle="bold" />

        <TextView
            android:id="@+id/textViewFayzah"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_below="@+id/textViewBashaer"
            android:layout_centerHorizontal="true"
            android:layout_marginTop="16dp"
            android:text="Fayzah Ahmad - 202204077"
            android:textColor="#3F51B5"
            android:textSize="24sp"
            android:textStyle="bold" />

        <TextView
            android:id="@+id/textViewOhoud"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_centerHorizontal="true"
            android:layout_marginTop="16dp"
            android:text="Ohoud Yahya - 202202762"
            android:textColor="#3F51B5"
            android:textSize="24sp"
            android:textStyle="bold" />

    </RelativeLayout>

```

Component Tree

Attributes

Online Shopping

Version control

app

about_activity.xml

product_layout.xml

activity_media.xml

fragment_cart.xml

activity_login.xml

activity_main.xml

activity_media.xml

activity_splash_screen.xml

cart_layout.xml

fragment_account.xml

fragment_cart.xml

fragment_home.xml

nav_header.xml

product_layout.xml

menu

mipmap

raw

values

res (generated)

online-shopping-app > app > src > main > res > layout > about_activity.xml

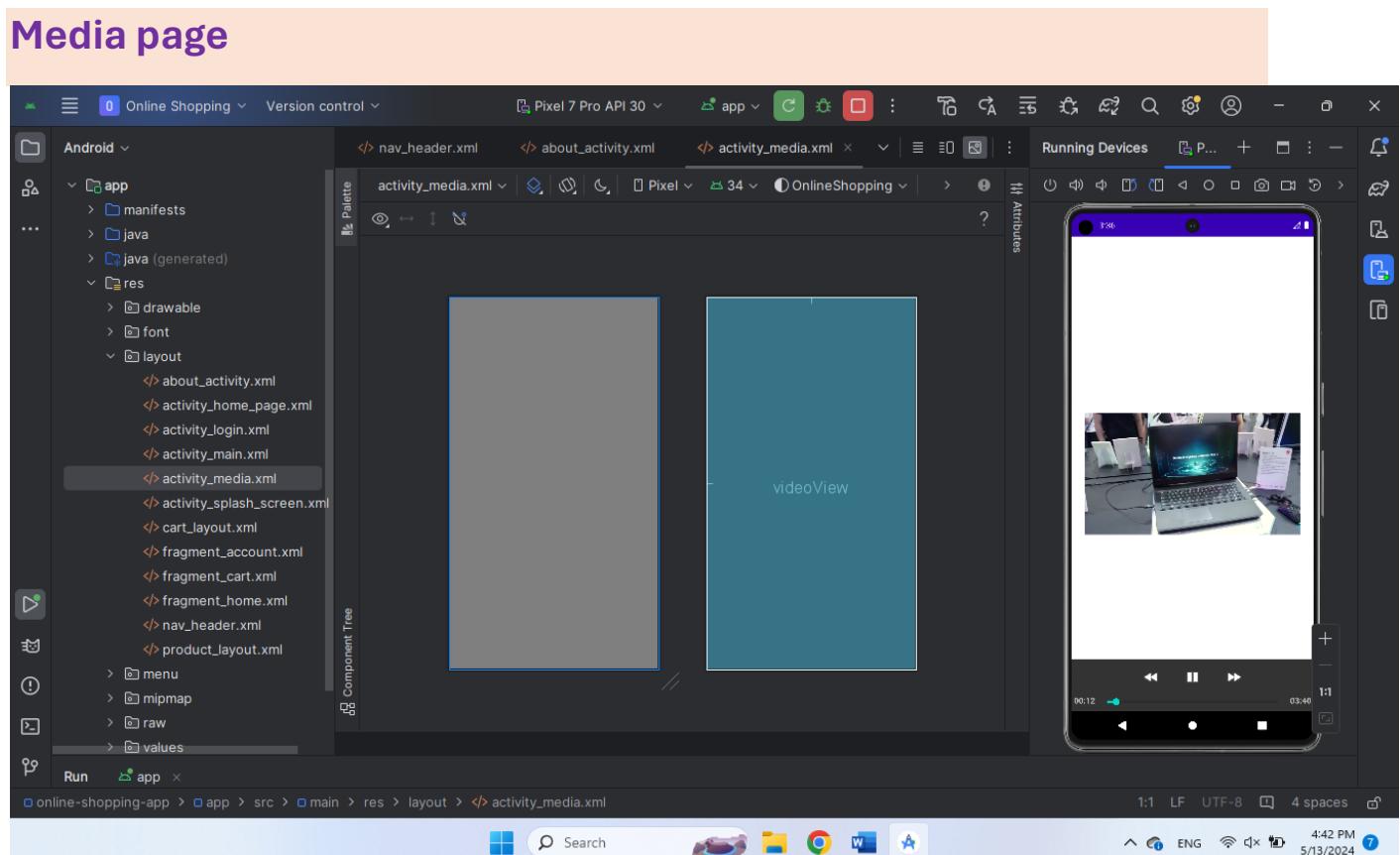
19:47 LF UTF-8 4 spaces

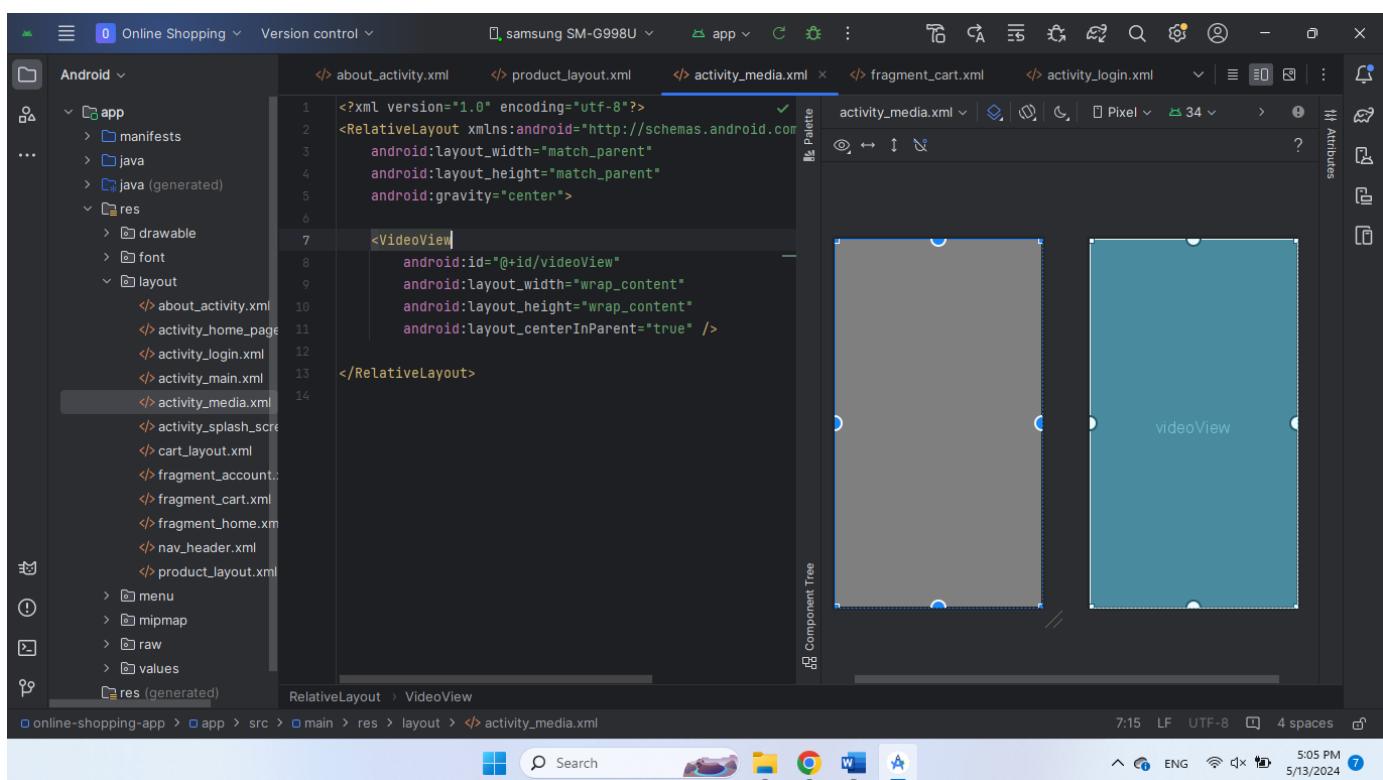
5:03 PM 5/13/2024

Media page

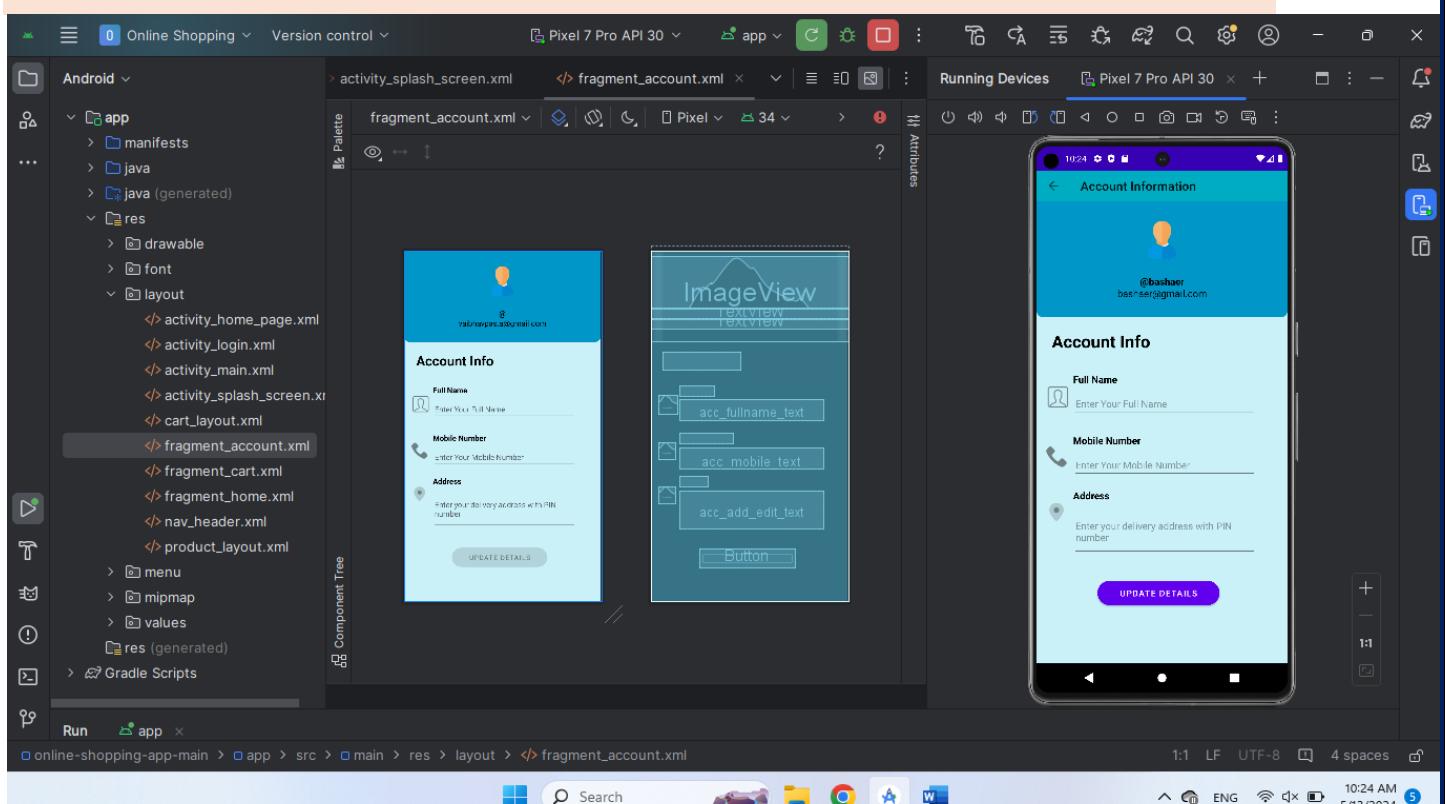
The screenshot shows the Android Studio interface with the project 'Online Shopping' open. The code editor displays the XML file `about_activity.xml`, which contains the layout for an 'About Us' page. The layout includes a title 'About Us' and a list of names and dates. The preview window on the right shows the final UI with four entries: 'Bashaer Tahir - 202209010', 'Ayzah Ahmad - 202204072', 'Ohoud Yahya - 202202762', and 'Afaf Ali - 202204176'. The bottom status bar shows the time as 5:04 PM and the date as 5/13/2024.

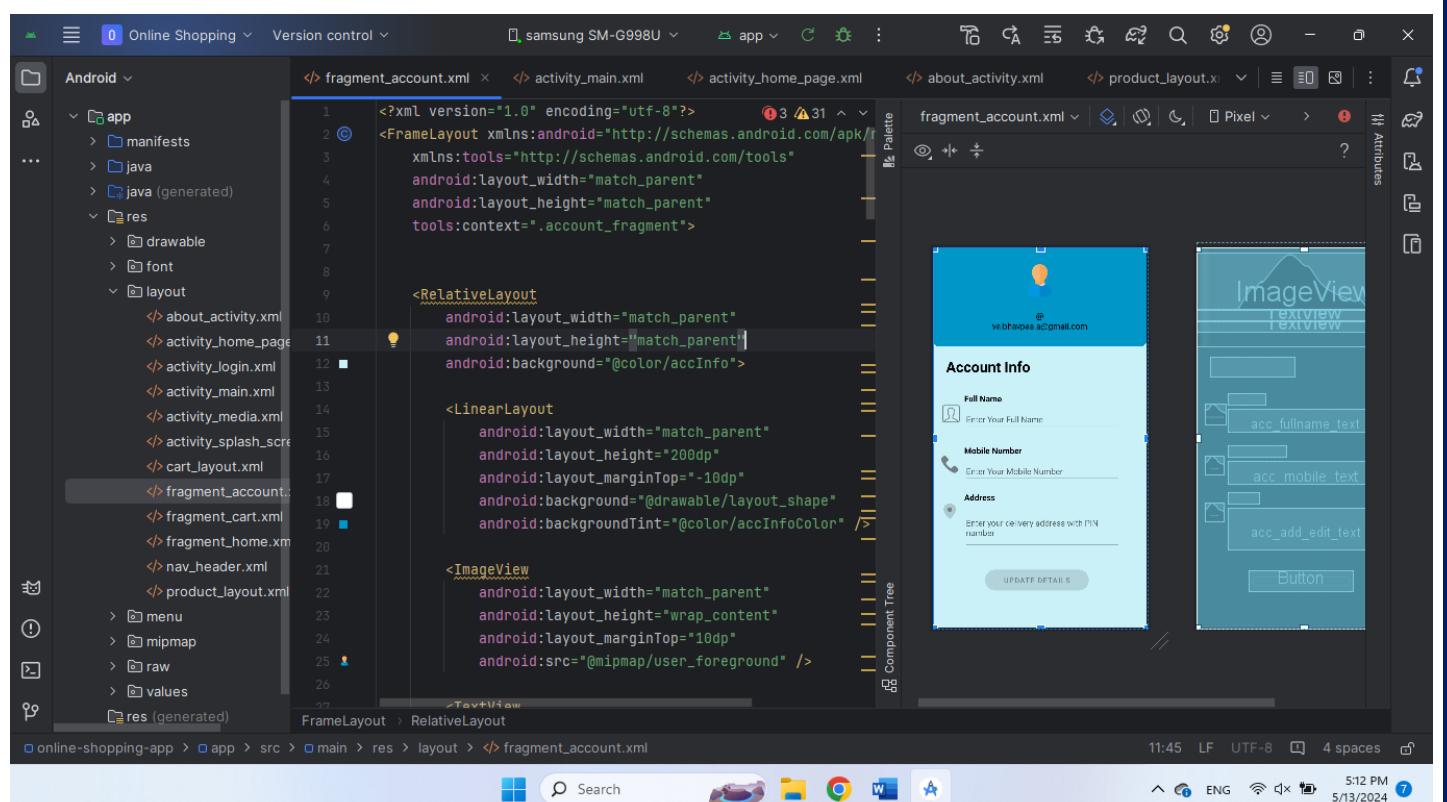
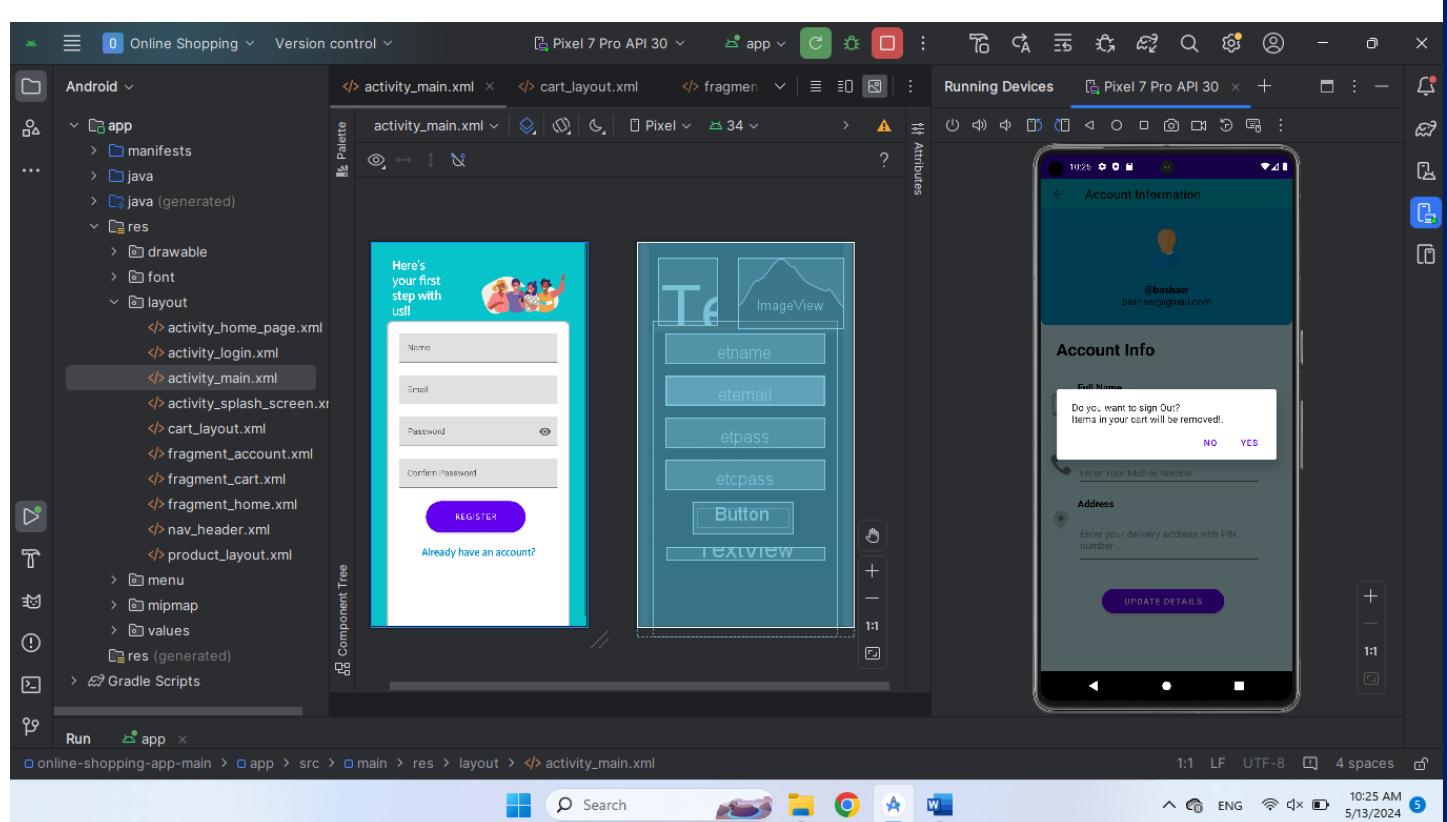
```
<LinearLayout>
    <RelativeLayout>
        <TextView
            android:id="@+id/textViewOhood"
            android:layout_marginTop="16dp"
            android:text="Ohoud Yahya - 202202762"
            android:textColor="#3F51B5"
            android:textSize="24sp"
            android:textStyle="bold" />
        <TextView
            android:id="@+id/textViewAfaf"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_below="@+id/textViewOhood"
            android:layout_centerHorizontal="true"
            android:layout_marginTop="16dp"
            android:text="Afaf Ali - 202204176"
            android:textColor="#3F51B5"
            android:textSize="24sp"
            android:textStyle="bold" />
    </RelativeLayout>
</LinearLayout>
```





Account page:





The screenshot shows the Android Studio interface with the following details:

- Project Structure:** The left sidebar shows the project structure under the "Android" tab, with the "app" module selected. It includes folders for "manifests", "java", "res", and "menu".
- Code Editor:** The main editor displays the XML code for `fragment_account.xml`. The code defines a `FrameLayout` containing a `RelativeLayout` with several `TextView` and `EditText` elements. One `EditText` has the placeholder "Enter Your Full Name".
- Preview:** To the right of the code editor is a preview window showing a mobile application screen titled "Account Info". The screen features a profile picture placeholder, an email address "vaibhavpas@gmail.com", and three input fields for "Full Name", "Mobile Number", and "Address".
- Component Tree:** A detailed component tree on the right side lists all UI components and their IDs, such as `acc_fullname_text`, `acc_mobile_text`, and `acc_add_edit_text`.
- Bottom Navigation:** The bottom navigation bar shows the file path: "online-shopping-app > app > src > main > res > layout > fragment_account.xml".

The screenshot shows the Android Studio interface with the following details:

- Project Structure:** The left sidebar shows the project structure under the "Android" tab, with the "app" module selected. The "layout" directory contains files like "about_activity.xml", "activity_main.xml", "activity_home_page.xml", "about_activity.xml", "product_layout.xml", and "fragment_account.xml".
- Code Editor:** The main editor area displays the XML code for "fragment_account.xml". The code includes fields for "Full Name", "Mobile Number", and "Address", each with its own "EditText" and "Image View".

```
<fragment_account>
    <EditText
        android:id="@+id/acc_fullname_text"
        android:layout_width="300dp"
        android:layout_height="wrap_content"
        android:layout_marginLeft="60dp"
        android:layout_marginTop="280dp"
        android:text="Full Name"
        android:textColor="@color/black"
        android:textSize="16sp"
        android:textStyle="bold" />

    <EditText
        android:id="@+id/mobile_number_text"
        android:layout_width="300dp"
        android:layout_height="wrap_content"
        android:layout_marginLeft="60dp"
        android:layout_marginTop="310dp"
        android:hint="Enter Your Full Name"
        android:textColor="@color/black"
        android:textSize="16sp"
        android:enabled="false" />

    <EditText
        android:id="@+id/address_text"
        android:layout_width="300dp"
        android:layout_height="wrap_content"
        android:layout_marginLeft="60dp"
        android:layout_marginTop="400dp"
        android:hint="Enter your delivery address with PIN numbers"
        android:textColor="@color/black"
        android:textSize="16sp" />
```
- Preview:** On the right, the "Preview" tab shows a visual representation of the layout. It features a blue header bar with a profile icon and email address. Below it is a section titled "Account Info" containing three input fields: "Full Name" (with placeholder "Enter Your Full Name"), "Mobile Number" (with placeholder "Enter Your Mobile Number"), and "Address" (with placeholder "Enter your delivery address with PIN numbers"). A "UPDATE DETAILS" button is at the bottom.
- Bottom Bar:** The bottom navigation bar shows the current file path: "online-shopping-app > app > src > main > res > layout > fragment_account.xml". It also includes icons for search, file operations, and navigation.

Java:

The screenshot shows the Android Studio interface with the following details:

- Project Structure:** The left sidebar shows the project structure under "Android".
- Code Editor:** The main editor displays the XML code for `fragment_account.xml`. The code includes:
 - An `EditText` for mobile number input.
 - An `ImageView` for a profile picture.
 - A `TextView` for address information.
- Preview Window:** On the right, the "Preview" window shows a mobile application interface with a blue header bar, a white content area titled "Account Info", and three input fields: "Full Name", "Mobile Number", and "Address".
- Bottom Bar:** The status bar at the bottom shows "86:1 LF UTF-8 4 spaces" and the system tray with icons for battery, signal, and time ("5:15 PM 5/13/2024").

The screenshot shows the Android Studio interface with the following details:

- Project Structure:** The left sidebar shows the project structure under "Android".
- Code Editor:** The main editor displays the XML code for `fragment_account.xml`. The code includes:
 - A `TextView` for delivery address with a hint and text color.
 - A `Button` labeled "Update Details".
- Preview Window:** On the right, the "Preview" window shows the same mobile application interface as the first screenshot, but with a different button label.
- Bottom Bar:** The status bar at the bottom shows "125:48 LF UTF-8 4 spaces" and the system tray with icons for battery, signal, and time ("5:15 PM 5/13/2024").

Java:

Login:

This screenshot shows the Android Studio interface with the project 'Online Shopping' open. The left sidebar displays the file structure under 'Android'. The main editor window shows the code for `LoginActivity.java`. The code implements an `AppCompatActivity`, initializes views for sign-up and login, and sets up an `OnClickListener` for the login button. The code uses `InputValidation` for email and password validation.

```
package com.example.onlineshopping;
import ...;
public class LoginActivity extends AppCompatActivity {
    private TextView signUpView;
    private Button loginButton;
    private TextInputLayout email_lay, pass_lay;
    private EditText pass, email;
    private DatabaseHelper dbhelper;
    private InputValidation inputValidation;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_login);
        signInView = findViewById(R.id.signIn);
        signUpView = findViewById(R.id.signUp);
        loginButton = findViewById(R.id.login);
        email_lay = findViewById(R.id.email_lay);
        pass_lay = findViewById(R.id.pass_lay);
        pass = findViewById(R.id.pass);
        email = findViewById(R.id.email);
        inputValidation = new InputValidation(this);
        dbhelper = new DatabaseHelper(this);
        loginButton.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                String sqlPassword="";
                if(!inputValidation.validateEmail(email,email_lay, errorMessage: "Enter Valid Email"))
                    return;
                if(!inputValidation.validatePassword(pass,pass_lay, errorMessage: "Enter Valid Password"))
                    return;
                try{
                    sqlPassword = dbhelper.validateUser(email.getText().toString().trim());
                }
                catch(Exception e){
                    Toast.makeText(context: LoginActivity.this, e.getMessage(), Toast.LENGTH_SHORT).show();
                }
                if(sqlPassword.equals(pass.getText().toString().trim())){
                    Toast.makeText(context: LoginActivity.this, text: "Login Successful", Toast.LENGTH_SHORT).show();
                    Intent i = new Intent(packageContext: LoginActivity.this, HomePage.class);
                    i.putExtra(name: "Email",email.getText().toString().trim());
                    startActivity(i);
                    finish();
                }
                else{
                    Toast.makeText(context: LoginActivity.this, text: "Invalid Email Id or Password!", Toast.LENGTH_SHORT).show();
                }
            }
        });
    }
}
```

This screenshot continues the code from the previous one, showing the completion of the `OnClickListener` implementation. It handles the case where the database password matches the entered password by starting the `HomePage` activity and passing the email as an extra. If the database password does not match, it displays an error message.

```
        ...
        if(sqlPassword.equals(pass.getText().toString().trim())){
            Toast.makeText(context: LoginActivity.this, text: "Login Successful", Toast.LENGTH_SHORT).show();
            Intent i = new Intent(packageContext: LoginActivity.this, HomePage.class);
            i.putExtra(name: "Email",email.getText().toString().trim());
            startActivity(i);
            finish();
        }
        else{
            Toast.makeText(context: LoginActivity.this, text: "Invalid Email Id or Password!", Toast.LENGTH_SHORT).show();
        }
    }
}
```

MainActivity

This screenshot shows the Android Studio interface with the project 'Online Shopping' open. The code editor displays the `MainActivity.java` file. The code initializes various UI components and database helper classes. A tooltip for the `dbhelper` variable is visible at the bottom of the screen.

```
package com.example.onlineshopping;
import ...;
public class MainActivity extends AppCompatActivity {
    private Button reg;
    private InputValidation iv;
    private TextInputLayout email,name,pass,cpass;
    private EditText ETemail,Ename,ETpass,ETcpass;
    private User user;
    private DatabaseHelper dbhelper;
    private TextView al_account;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        user = new User();
        dbhelper = new DatabaseHelper(context,MainActivity.this);
    }
}
```

This screenshot shows the same project and code editor as the first one, but with a tooltip displayed over the `dbhelper` variable in the `onCreate` method. The tooltip contains the full definition of the `DatabaseHelper` class.

```
public class MainActivity extends AppCompatActivity {
    private DatabaseHelper dbhelper;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        user = new User();
        dbhelper = new DatabaseHelper(context,MainActivity.this);
    }
}
```

The screenshot shows the Android Studio interface with the following details:

- Title Bar:** Online Shopping > Version control > Pixel 7 Pro API 30 > app > MainActivity.java
- Toolbars:** Top toolbar with various icons like save, run, and search.
- Side Navigation:** Shows the project structure under "Android". The "app" module is selected, containing "manifests", "java", and "res" folders. The "java" folder contains classes like AboutActivity, account_fragment, cart_fragment, cartAdapter, DatabaseHelper, home_fragment, HomePage, InputValidation, LoginActivity, MainActivity (which is selected), MediaActivity, ProductAdapter, ProductList, splashScreen, and User.
- Main Editor:** Displays the code for MainActivity.java. The code handles button click events and initializes text fields. A tooltip for "al_account" is visible over the line `al_account.setOnClickListener(new View.OnClickListener() {`.
- Bottom Status Bar:** Shows the file path "online-shopping-app > app > src > main > java > com > example > onlineshopping > MainActivity.java", the build configuration "23:33 LF UTF-8", and the date/time "5/13/2024 5:17 PM".

MediaActivity

The screenshot shows the Android Studio interface with the following details:

- Title Bar:** Online Shopping > Version control > Pixel 7 Pro API 30 > app > MediaActivity.java
- Toolbars:** Top toolbar with various icons like save, run, and search.
- Side Navigation:** Shows the project structure under "Android". The "app" module is selected, containing "manifests", "java", and "res" folders. The "java" folder contains classes like AboutActivity, account_fragment, cart_fragment, cartAdapter, DatabaseHelper, home_fragment, HomePage, InputValidation, LoginActivity, MainActivity (which is selected), MediaActivity (which is selected), ProductAdapter, ProductList, splashScreen, and User.
- Main Editor:** Displays the code for MediaActivity.java. The code extends AppCompatActivity and overrides onCreate to set a video view and media controller. A tooltip for "videoView" is visible over the line `VideoView videoView = findViewById(R.id.videoView);`.
- Bottom Status Bar:** Shows the file path "online-shopping-app > app > src > main > java > com > example > onlineshopping > MediaActivity.java", the build configuration "9:1 CRLF UTF-8", and the date/time "5/13/2024 5:20 PM".

THE END!