

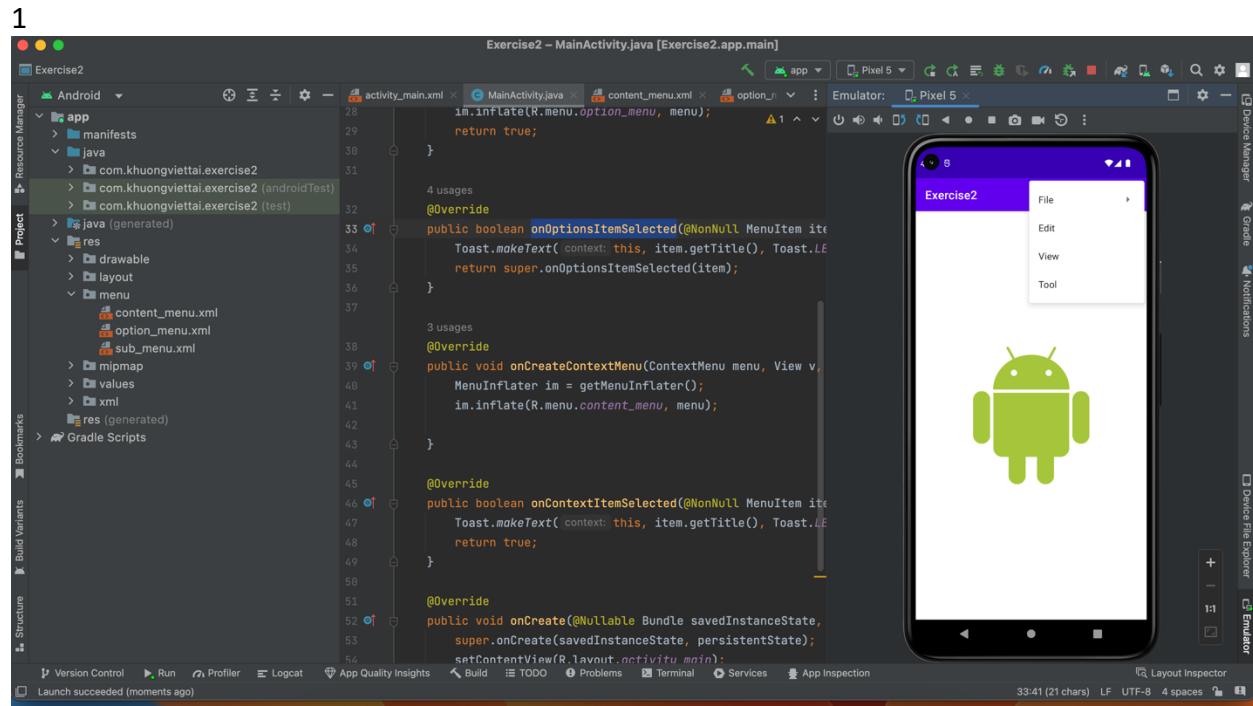
Github: [https://github.com/khuongviettai/Calculator\\_Simple\\_AndroidUI](https://github.com/khuongviettai/Calculator_Simple_AndroidUI)

Name: Khuong Viet Tai

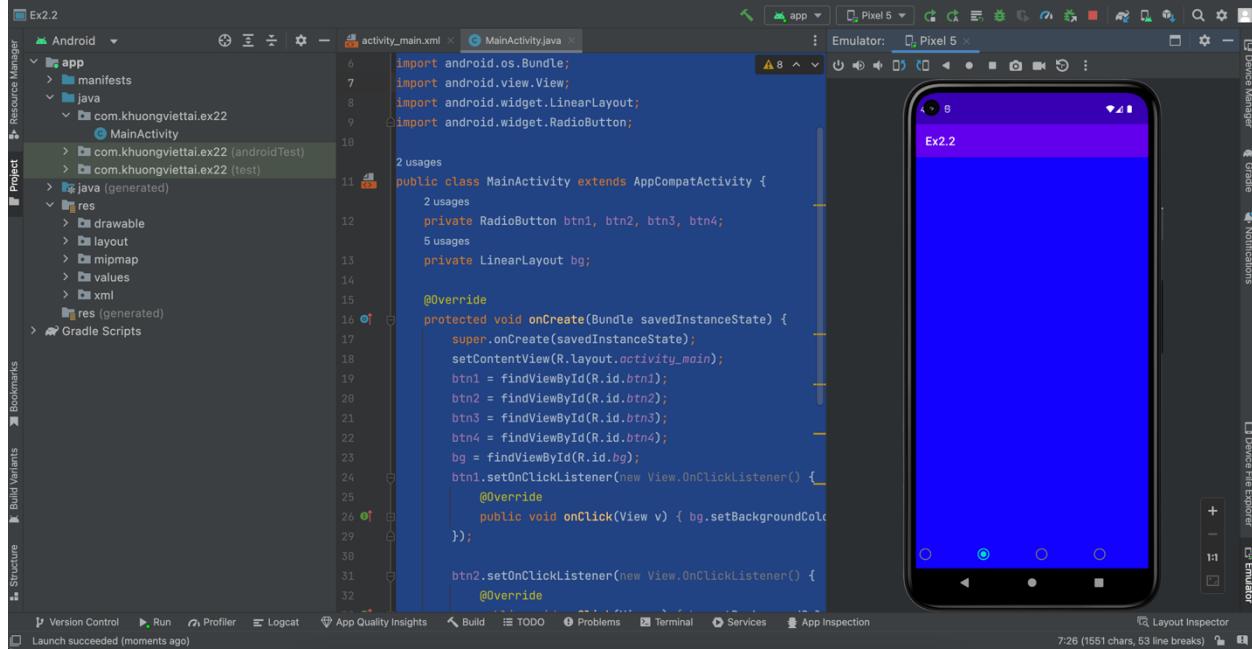
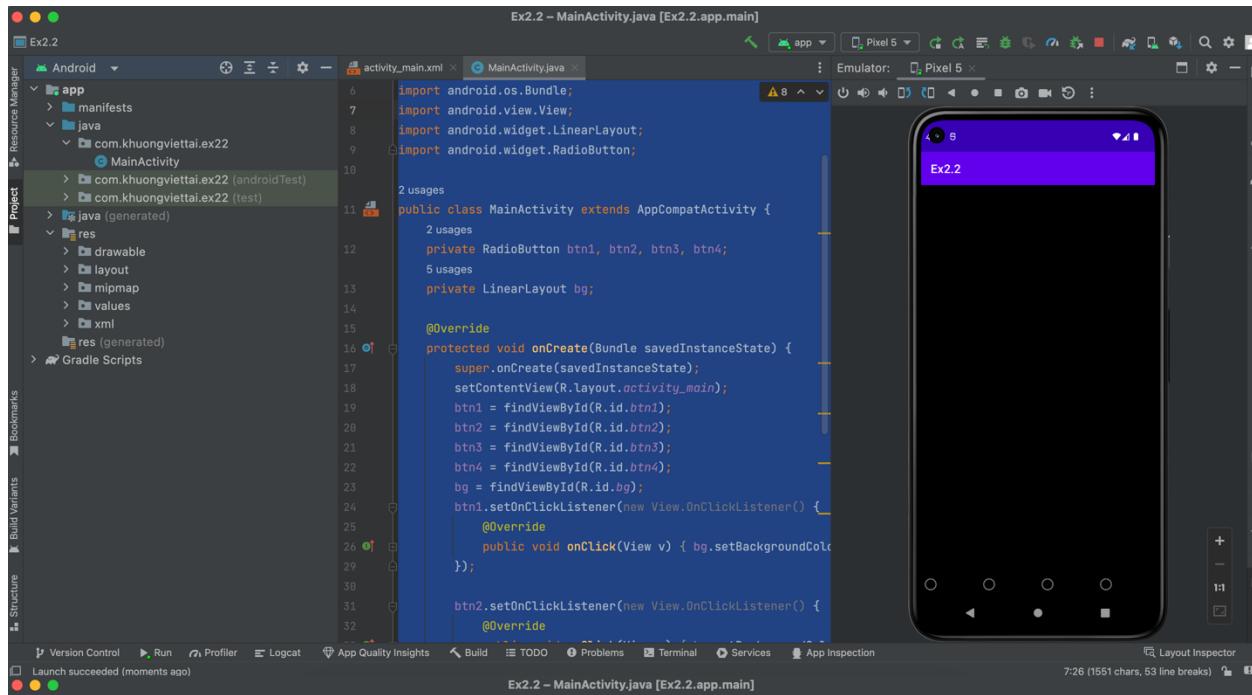
MSSV: 19522151

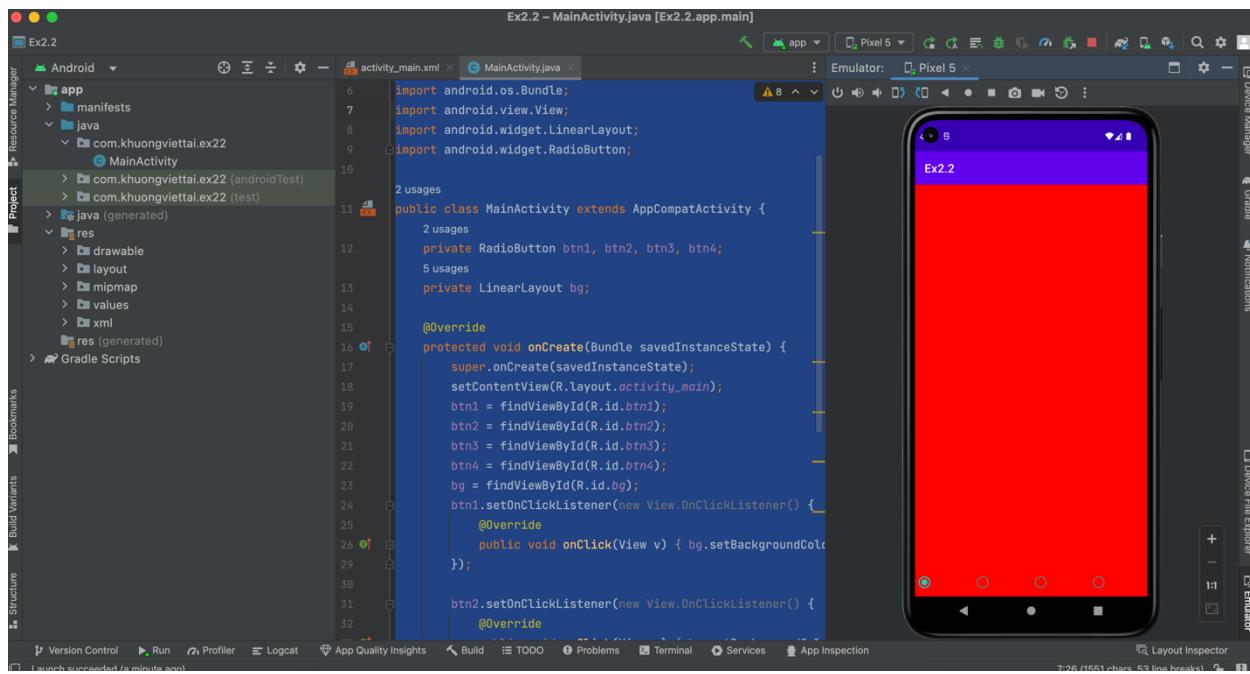
Lab: 2

Github may tinh : [https://github.com/khuongviettai/Calculator\\_Simple\\_AndroidUI.git](https://github.com/khuongviettai/Calculator_Simple_AndroidUI.git)

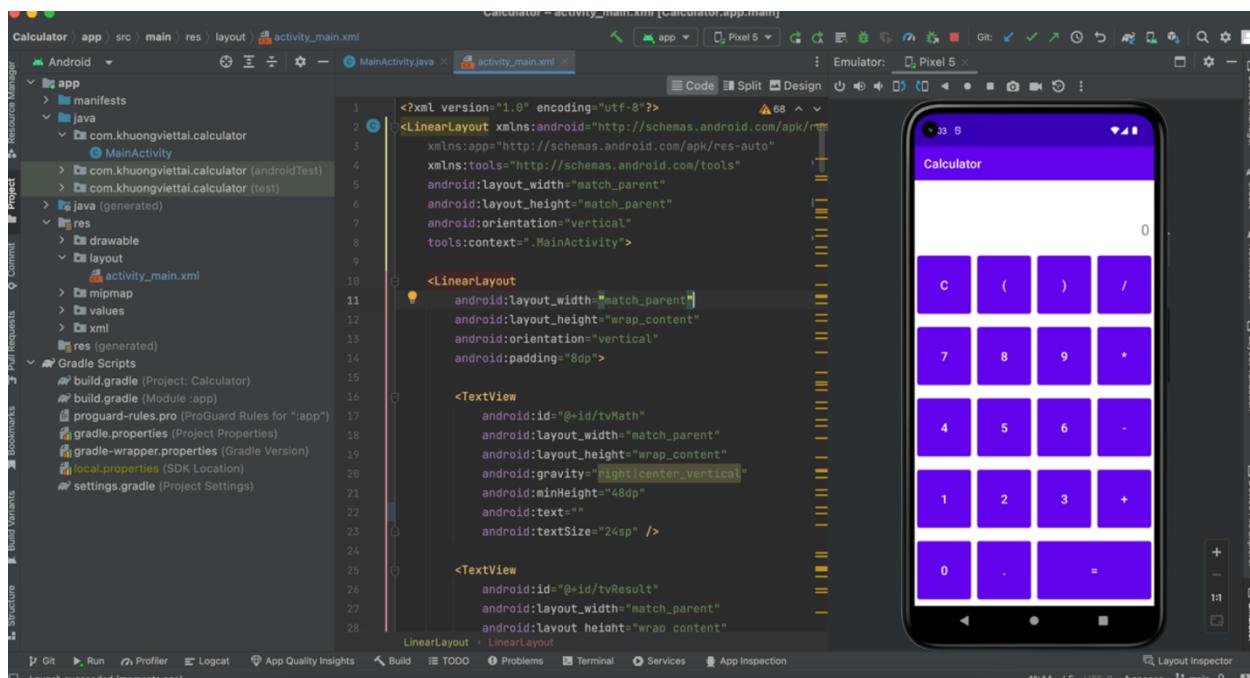


2





3



4

Ex2.2 – ViewContactActivity.java [Ex2.2.app.main]

```

public class ViewContactActivity extends MainActivity {
    TextView txt_name, txt_email, txt_project;
    Button btn_ct;

    @Override
    public void onCreate(@Nullable Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.contactinfo);

        txt_name = findViewById(R.id.txt_name);
        txt_email = findViewById(R.id.txt_email);
        txt_project = findViewById(R.id.txt_project);
        btn_ct = findViewById(R.id.btn_ct);
        btn_ct.setOnClickListener(mClickFinish);
        Bundle bundle = getIntent().getExtras();
        String name = bundle.getString("name1");
        String email = bundle.getString("email1");
        String project = bundle.getString("project1");

        txt_name.setText(name);
        txt_email.setText(email);
        txt_project.setText(project);
    }

    private View.OnClickListener mClickFinish = new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            Intent intent = new Intent();
            intent.putExtra("name1", txt_name.getText().toString());
            intent.putExtra("email1", txt_email.getText().toString());
            intent.putExtra("project1", txt_project.getText().toString());
            setResult(RESULT_OK, intent);
            finish();
        }
    };
}

```

The screenshot shows the Android Studio interface with two tabs open: MainActivity.java and ViewContactActivity.java. The ViewContactActivity.java tab is active, displaying Java code for a contact viewing activity. The code defines three TextViews (txt\_name, txt\_email, txt\_project) and one Button (btn\_ct). It sets up an OnClickListener for the button and retrieves data from an Intent's extras. The emulator on the right shows the app's UI with three text input fields labeled 'Name', 'Email', and 'Project' with placeholder text '11'. A 'FINISH' button is visible at the bottom.

Ex2.2 – ViewContactActivity.java [Ex2.2.app.main]

```

public class ViewContactActivity extends MainActivity {
    TextView txt_name, txt_email, txt_project;
    Button btn_ct;

    @Override
    public void onCreate(@Nullable Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.contactinfo);

        txt_name = findViewById(R.id.txt_name);
        txt_email = findViewById(R.id.txt_email);
        txt_project = findViewById(R.id.txt_project);
        btn_ct = findViewById(R.id.btn_ct);
        btn_ct.setOnClickListener(mClickFinish);
        Bundle bundle = getIntent().getExtras();
        String name = bundle.getString("name1");
        String email = bundle.getString("email1");
        String project = bundle.getString("project1");

        txt_name.setText(name);
        txt_email.setText(email);
        txt_project.setText(project);
    }

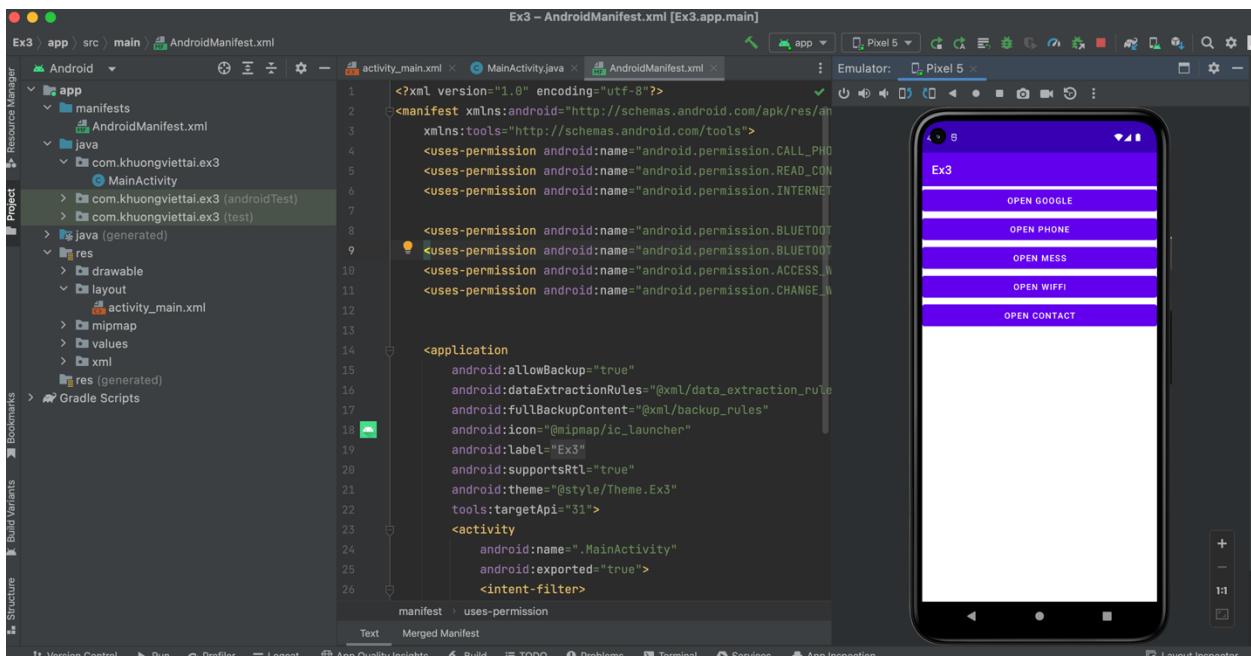
    private View.OnClickListener mClickFinish = new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            Intent intent = new Intent();
            intent.putExtra("name1", txt_name.getText().toString());
            intent.putExtra("email1", txt_email.getText().toString());
            intent.putExtra("project1", txt_project.getText().toString());
            setResult(RESULT_OK, intent);
            finish();
        }
    };
}

```

The second screenshot shows the same setup as the first, but the emulator's screen is now showing a soft keyboard. The three text input fields ('Name', 'Email', 'Project') are still present, but the keyboard is open, indicating that text can be entered into them. The rest of the UI and the Java code remain the same.

```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools">
    <uses-permission android:name="android.permission.CALL_PHONE"/>
    <uses-permission android:name="android.permission.READ_CONTACTS"/>
    <uses-permission android:name="android.permission.INTERNET"/>

    <uses-permission android:name="android.permission.BLUETOOTH" />
    <uses-permission android:name="android.permission.BLUETOOTH_ADMIN" />
    <uses-permission android:name="android.permission.ACCESS_WIFI_STATE"/>
    <uses-permission android:name="android.permission.CHANGE_WIFI_STATE"/>
```



Ex3 app main AndroidManifest.xml

activity\_main.xml MainActivity.java AndroidManifest.xml Emulator: Pixel 5

Project Resource Manager Bookmarks Build Variants Structure Version Control Run Profiler Logcat App Quality Insights Build TODO Problems Terminal Services App Inspection Launch succeeded (a minute ago)

Ex3 - AndroidManifest.xml [Ex3.app.main]

```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools">
    <uses-permission android:name="android.permission.CALL_PHONE" />
    <uses-permission android:name="android.permission.READ_CONTACTS" />
    <uses-permission android:name="android.permission.INTERNET" />
    <uses-permission android:name="android.permission.BLUETOOTH" />
    <uses-permission android:name="android.permission.BLUETOOTH_ADMIN" />
    <uses-permission android:name="android.permission.ACCESS_NETWORK_STATE" />
    <uses-permission android:name="android.permission.CHANGE_WIFI_STATE" />

    <application
        android:allowBackup="true"
        android:dataExtractionRules="@xml/data_extraction_rules"
        android:fullBackupContent="@xml/backup_rules"
        android:icon="@mipmap/ic_launcher"
        android:label="Ex3"
        android:supportsRtl="true"
        android:theme="@style/Theme.Ex3"
        tools:targetApi="31">
        <activity
            android:name=".MainActivity"
            android:exported="true">
            <intent-filter>
```

manifest uses-permission

Text Merged Manifest

Emulator: Pixel 5

Device Manager Gradle Notifications Device File Explorer Emulator

Layout Inspector

9:44 LF UTF-8 4 spaces

Ex3 - AndroidManifest.xml [Ex3.app.main]

```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools">
    <uses-permission android:name="android.permission.CALL_PHONE" />
    <uses-permission android:name="android.permission.READ_CONTACTS" />
    <uses-permission android:name="android.permission.INTERNET" />
    <uses-permission android:name="android.permission.BLUETOOTH" />
    <uses-permission android:name="android.permission.BLUETOOTH_ADMIN" />
    <uses-permission android:name="android.permission.ACCESS_NETWORK_STATE" />
    <uses-permission android:name="android.permission.CHANGE_WIFI_STATE" />

    <application
        android:allowBackup="true"
        android:dataExtractionRules="@xml/data_extraction_rules"
        android:fullBackupContent="@xml/backup_rules"
        android:icon="@mipmap/ic_launcher"
        android:label="Ex3"
        android:supportsRtl="true"
        android:theme="@style/Theme.Ex3"
        tools:targetApi="31">
        <activity
            android:name=".MainActivity"
            android:exported="true">
            <intent-filter>
```

manifest uses-permission

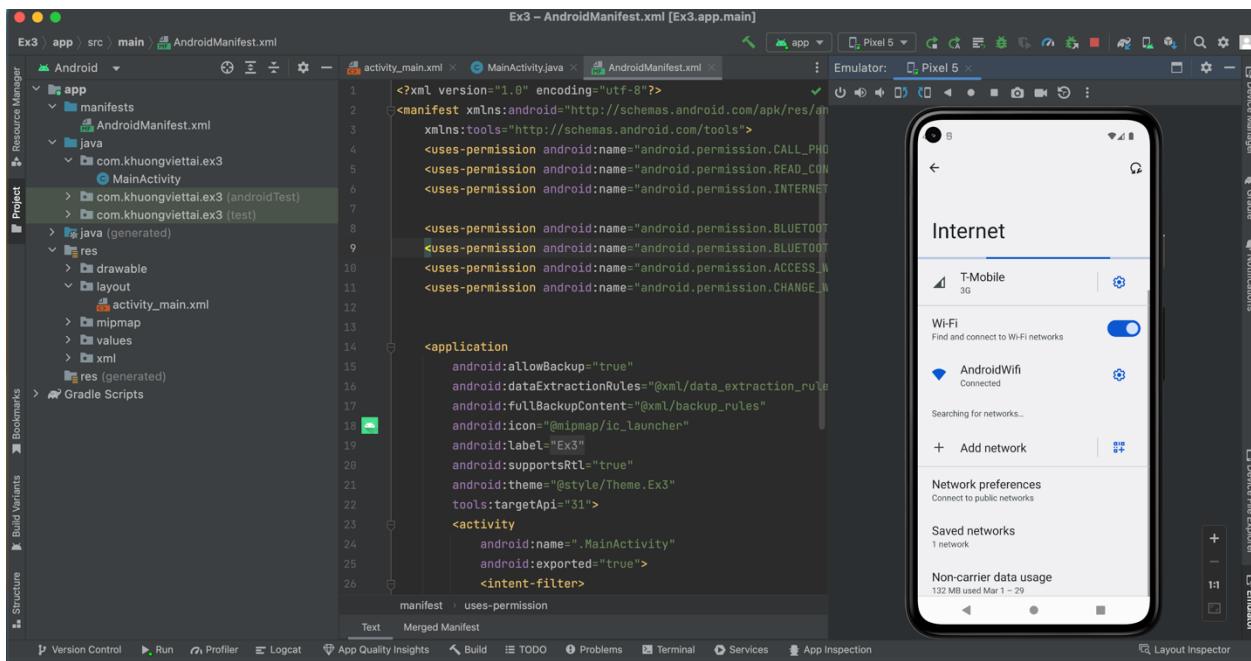
Text Merged Manifest

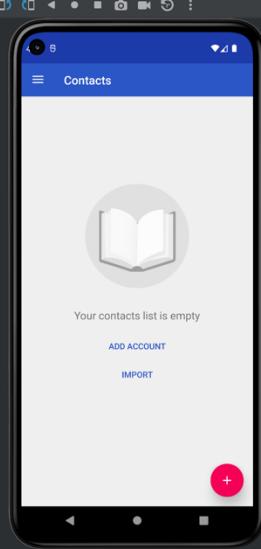
Emulator: Pixel 5

Device Manager Gradle Notifications Device File Explorer Emulator

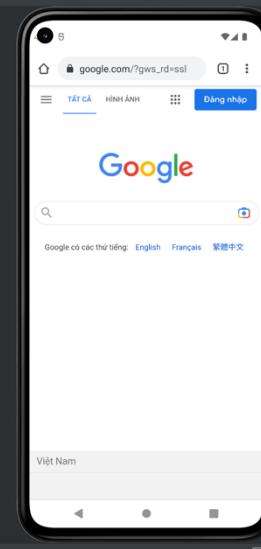
Layout Inspector

9:44 LF UTF-8 4 spaces





The screenshot shows the Android Studio interface with the project 'Ex3' open. The 'AndroidManifest.xml' file is selected in the editor. The manifest includes permissions for CALL\_PHONE, READ\_CONTACTS, INTERNET, BLUETOOTH, and ACCESS\_NETWORK\_STATE. It also specifies the application's label as 'Ex3' and supports RTL. The main activity is named 'MainActivity'. The emulator on the right displays the 'Contacts' screen, which shows an empty list and options to 'ADD ACCOUNT' or 'IMPORT'.



The second screenshot shows the same Android Studio environment with the 'activity\_main.xml' file selected. The manifest remains the same. The emulator now displays the Google search interface, showing the search bar and results for 'TẤT CẢ' (All) in Vietnamese.

```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools">
    <uses-permission android:name="android.permission.CALL_PHONE"/>
    <uses-permission android:name="android.permission.READ_CONTACTS"/>
    <uses-permission android:name="android.permission.INTERNET"/>
    <uses-permission android:name="android.permission.BLUETOOTH"/>
    <uses-permission android:name="android.permission.BLUETOOTH_ADMIN"/>
    <uses-permission android:name="android.permission.ACCESS_NETWORK_STATE"/>
    <uses-permission android:name="android.permission.CHANGE_WIFI_STATE"/>
    <application
        android:allowBackup="true"
        android:dataExtractionRules="@xml/data_extraction_rules"
        android:fullBackupContent="@xml/backup_rules"
        android:icon="@mipmap/ic_launcher"
        android:label="Ex3"
        android:supportsRtl="true"
        android:theme="@style/Theme.Ex3"
        tools:targetApi="31">
        <activity
            android:name=".MainActivity"
            android:exported="true">
            <intent-filter>
```