

uso ImagenButton y ListView

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DOCENTE.

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2022-2

BARRANQUILLA – ATLANTICO

ANDROID 3 - Control ListView

Archivo 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=".MainActivity">

    <TextView
        android:id="@+id/tv1"
        android:layout_width="0dp"
        android:layout_height="0dp"
        android:layout_marginBottom="3dp"
        android:text="Poblacion del pais elegido:"
        app:layout_constraintBottom_toTopOf="@+id/list1"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <ListView
        android:id="@+id/list1"
        android:layout_width="0dp"
        android:layout_height="0dp"
        android:layout_marginStart="1dp"
        android:layout_marginEnd="1dp"
        android:layout_marginBottom="1dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/tv1" />

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

Archivo java MainActivity.java

```
package com.example.android3listview;

import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.AdapterView;
import android.widget.ArrayAdapter;
import android.widget.ListView;
import android.widget.TextView;

public class MainActivity extends AppCompatActivity {

    private String[] paises = { "Argentina", "Chile", "Paraguay",
        "Bolivia",
        "Peru", "Ecuador", "Brasil", "Colombia", "Venezuela",
        "Uruguay" };
    private String[] habitantes = { "40000000", "17000000", "6500000",
        "10000000", "30000000", "14000000", "183000000", "44000000",
        "29000000", "3500000" };

    private TextView tv1;
    private ListView lv1;

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

        tv1=(TextView) findViewById(R.id.tv1);
        lv1 =(ListView) findViewById(R.id.list1);

        ArrayAdapter <String>adapter = new
            ArrayAdapter<String>(this,android.R.layout.simple_list_item_1,
paises);
        lv1.setAdapter(adapter);
    }
}
```

```
lv1.setOnItemClickListener(new AdapterView.OnItemClickListener()
{
    @Override
    public void onItemClick(AdapterView adapterView, View view, int i,
long l) {
        tv1.setText("Población de "+ lv1.getItemAtPosition(i) + " es "
+ habitantes[i]);
    }
})
```



ANDROID 4 - Control ImageButton

Archivo 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=".MainActivity">

    <ImageButton
        android:id="@+id/boton1"
        android:layout_width="54dp"
        android:layout_height="0dp"
        android:layout_marginStart="20dp"
        android:layout_marginEnd="19dp"
        android:layout_marginBottom="494dp"
        android:onClick="llamar"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="@+id/tv1"
        app:layout_constraintHorizontal_bias="1.0"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/tv1"
        app:srcCompat="@mipmap/telefono" />

    <TextView
        android:id="@+id/tv1"
        android:layout_width="73dp"
        android:layout_height="0dp"
        android:layout_marginStart="20dp"
        android:layout_marginTop="88dp"
        android:layout_marginBottom="80dp"
        app:layout_constraintBottom_toTopOf="@+id/boton1"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

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

Archivo java MainActivity.java

```
package com.example.android4_controlimagebutton;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.View;
import android.widget.TextView;

public class MainActivity extends AppCompatActivity {

    private TextView tv1;

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

        tv1=(TextView) findViewById(R.id.tv1);
    }
    public void llamar(View view) {
        tv1.setText("Llamando");
    }
}
```



Guia #5 Guia onTouchListenerArchivo

Archivo 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=".MainActivity">

<TextView
    android:id="@+id/tv1"
    android:layout_width="204dp"
    android:layout_height="83dp"
    android:layout_marginStart="100dp"
    android:layout_marginTop="176dp"
    android:text="¡¡¡¡Tocame!!!!"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />

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

Archivo java MainActivity.java

```
package com.example.android5ontouchlistener;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.app.Activity;
import android.view.Menu;
import android.view.MotionEvent;
import android.view.View;
import android.view.View.OnClickListener;
import android.widget.TextView;

public class MainActivity extends AppCompatActivity {

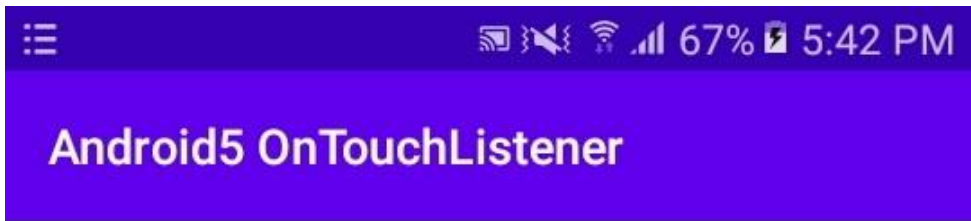
    TextView tv1;

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

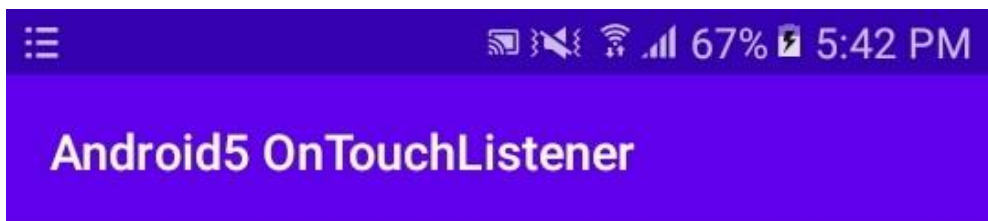
        tv1=(TextView) findViewById(R.id.tv1);
        tv1.setOnClickListener(this::onTouch);
    }

    public boolean onTouch(View arg0, MotionEvent arg1){
        if (arg1.getAction()==MotionEvent.ACTION_DOWN) {
            tv1.setText("deja de Tocarme");
        }
        if (arg1.getAction()==MotionEvent.ACTION_MOVE) {
            tv1.setText("deja de Quieto");
        }
        if (arg1.getAction()==MotionEvent.ACTION_UP) {
            tv1.setText("¡¡Ufff... por fin me hiciste caso");
        }
        return true;
    }

}
```



¡¡¡¡Tocame!!!!



¡¡Ufff... por fin me hiciste caso