



Unidad Profesional Interdisciplinaria en Ingeniería y
Tecnologías Avanzadas

DISPOSITIVOS MÓVILES

Práctica 13

Grupo: 2TM19

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1 XML

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
3   xmlns:app="http://schemas.android.com/apk/res-auto"
4   xmlns:tools="http://schemas.android.com/tools"
5   android:layout_width="match_parent"
6   android:layout_height="match_parent"
7   android:orientation="vertical"
8   tools:context=".MainActivity"
9   android:layout_margin="30sp">
10
11 <TextView
12   android:layout_marginTop="40dp"
13   android:gravity="center_horizontal"
14   android:layout_width="match_parent"
15   android:layout_height="wrap_content"
16   android:text="Album de fotos"
17   android:textSize="30dp"
18   android:fontFamily="@font/montserrat_regular"
19   android:textColor="@android:color/black"
20 />
21
22 <LinearLayout
23   android:layout_width="match_parent"
24   android:layout_height="wrap_content"
25   android:layout_marginTop="10dp">
26
27
28 <Button
29   android:id="@+id/btn1"
30   android:layout_width="4dp"
31   android:layout_height="match_parent"
32   android:layout_marginLeft="2dp"
33   android:layout_marginTop="0dp"
34   android:layout_marginRight="5dp"
35   android:layout_marginBottom="5dp"
36   android:layout_weight="1"
37   android:adjustViewBounds="true"
38   android:background="@color/teal_700"
39   android:scaleType="fitCenter"
40   android:text=" A t r s "
41   android:fontFamily="@font/montserrat_bold"/>
42
43 <Button
44   android:id="@+id/btn2"
45   android:layout_width="4dp"
46   android:layout_height="50dp"
47   android:layout_marginLeft="2dp"
48   android:layout_marginTop="0dp"
```

```
49 android:layout_marginRight="5dp"
50 android:layout_marginBottom="5dp"
51 android:layout_weight="1"
52 android:adjustViewBounds="true"
53 android:background="@color/teal_700"
54 android:scaleType="fitCenter"
55 android:src="@drawable/vector"
56 android:text="ADELANTE"
57 android:fontFamily="@font/montserrat_bold"/>
58
59 </LinearLayout>
60
61 <ImageView
62 android:id="@+id/imageView"
63 android:layout_width="match_parent"
64 android:layout_height="320dp"
65 android:layout_marginTop="30dp"
66 tools:srcCompat="@tools:sample/avatars"
67 />
68
69 <TextView
70 android:id="@+id/txtName"
71 android:fontFamily="@font/montserrat_regular"
72 android:gravity="center_horizontal"
73 android:layout_marginTop="50dp"
74 android:layout_gravity="center_horizontal"
75 android:layout_width="match_parent"
76 android:layout_height="wrap_content"
77 android:text="Album de fotos"
78 android:textSize="20dp"
79 />
80
81
82 </LinearLayout>
```

2 JAVA

```
1 package com.example.album;
2
3 import androidx.appcompat.app.AppCompatActivity;
4
5 import android.graphics.Color;
6 import android.graphics.drawable.GradientDrawable;
7 import android.os.Bundle;
8 import android.view.View;
9 import android.widget.Button;
10 import android.widget.ImageView;
11 import android.widget.TextView;
12
```

```
13 public class MainActivity extends AppCompatActivity implements View.  
    OnClickListener {  
14  
15     TextView tvnombre;  
16     Button boton1;  
17     Button boton2;  
18     ImageView foto;  
19     int i = 0;  
20     int total_fotos ;  
21     int[] id_foto = {R.drawable.f1 , R.drawable.f2, R.drawable.f3, R.  
        drawable.f4,R.drawable.f5,R.drawable.f6, R.drawable.f7, R.drawable.f8,  
        R.drawable.f9,R.drawable.f10 };  
22     String[] nombrefoto = {"Fondo de pantalla 1", "Fondo de pantalla 2", "  
        Fondo de pantalla 3", "Fondo de pantalla 4", "Fondo de pantalla 5" , "  
        Fondo de pantalla 6", "Fondo de pantalla 7", "Fondo de pantalla 8" , "  
        Fondo de pantalla 9","Fondo de pantalla 10" };  
23  
24     @Override  
25     protected void onCreate(Bundle savedInstanceState) {  
26         super.onCreate(savedInstanceState);  
27         setContentView(R.layout.activity_main);  
28  
29         //Color.parseColor() method allow us to convert  
30         // a hexadecimal color string to an integer value (int color)  
31         // int[] colors = {Color.parseColor("#008000"), Color.parseColor("#  
        ADFF2F")};  
32  
33         int color = Color.parseColor("#ADFF2F");  
34         //create a new gradient color  
35         //GradientDrawable gd = new GradientDrawable(  
36         //         GradientDrawable.Orientation.TOP_BOTTOM, colors);  
37  
38         //gd.setCornerRadius(0f);  
39         //apply the button background to newly created drawable gradient  
40         Button btn = (Button) findViewById(R.id.btn1);  
41         Button btn2 = (Button) findViewById(R.id.btn2);  
42         //btn.setBackground(getResources().getDrawable(R.drawable.gradient))  
43         ;  
44  
45         tvnombre = (TextView) findViewById(R.id.txtName);  
46         boton1 = (Button) findViewById(R.id.btn1);  
47         boton2 = (Button) findViewById(R.id.btn2);  
48         foto = (ImageView) findViewById(R.id.imageView);  
49         foto.setImageResource(id_foto[0]);  
50         tvnombre.setText(nombrefoto[0]);  
51         total_fotos = id_foto.length;  
52         boton1.setOnClickListener((View.OnClickListener) this);  
53         boton2.setOnClickListener((View.OnClickListener) this);  
54     }  
55
```

```
56 @Override
57 public void onClick(View view) {
58     if (view.getId() == R.id.btn2) {
59         i++;
60         if (i == total_fotos)
61             i = 0;
62     }
63
64     if (view.getId() == R.id.btn1){
65         i--;
66         if (i == -1)
67             i = total_fotos - 1;
68     }
69
70     foto.setImageResource(id_foto[i]);
71     tvnombre.setText(nombrefoto[i]);
72 }
73 }
74 }
```

3 Resultados



