



Unidad Profesional Interdisciplinaria en Ingeniería y
Tecnologías Avanzadas

DISPOSITIVOS MÓVILES

Práctica 16

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:padding="30sp"
10  android:background="@drawable/background">
11
12  <TextView
13    android:gravity="center"
14    android:layout_width="match_parent"
15    android:layout_height="wrap_content"
16    android:layout_marginTop="40dp"
17    android:fontFamily="@font/montserrat_regular"
18    android:text=" lbum de fotos"
19    android:textColor="@android:color/white"
20    android:textSize="30dp" />
21
22  <LinearLayout
23    android:layout_marginTop="40dp"
24    android:layout_width="match_parent"
25    android:layout_height="wrap_content"
26    android:orientation="horizontal">
27
28    <Button
29      android:id="@+id/btnPlay"
30      android:layout_width="wrap_content"
31      android:layout_height="wrap_content"
32      android:text="Iniciar"
33      android:textSize="16dp"
34      android:layout_marginRight="120dp"
35      android:backgroundTint="#81C784"/>
36
37    <Button
38      android:id="@+id/btnStop"
39      android:layout_width="wrap_content"
40      android:layout_height="wrap_content"
41      android:backgroundTint="#81C784"
42      android:text="Detener"
43      android:textSize="16dp" />
44
45  </LinearLayout>
46
47
48
```

```
49 <ImageView
50     android:id="@+id/imageView"
51     android:layout_width="match_parent"
52     android:layout_height="320dp"
53     android:layout_marginTop="150dp"
54     tools:srcCompat="@tools:sample/avatars"
55 />
56
57 </LinearLayout>
```

2 JAVA

```
1 package com.example.album_animacionjava;
2
3 import androidx.appcompat.app.AppCompatActivity;
4
5 import android.graphics.drawable.AnimationDrawable;
6 import android.graphics.drawable.Drawable;
7 import android.os.Bundle;
8 import android.view.View;
9 import android.widget.Button;
10 import android.widget.ImageView;
11
12 public class MainActivity extends AppCompatActivity implements View.
    OnClickListener {
13
14     AnimationDrawable animacion;
15     ImageView foto;
16     Button btn1, btn2;
17     int t;
18
19     @Override
20     protected void onCreate(Bundle savedInstanceState) {
21         super.onCreate(savedInstanceState);
22         setContentView(R.layout.activity_main);
23
24         foto = (ImageView) findViewById(R.id.imageView);
25         btn1 = (Button) findViewById(R.id.btnPlay);
26         btn2 = (Button) findViewById(R.id.btnStop);
27         t=200;
28         animacion = new AnimationDrawable();
29
30         animacion.addFrame(getResources().getDrawable(R.drawable.c1),t);
31         animacion.addFrame(getResources().getDrawable(R.drawable.c2),t);
32         animacion.addFrame(getResources().getDrawable(R.drawable.c3),t);
33         animacion.addFrame(getResources().getDrawable(R.drawable.c4),t);
34         animacion.addFrame(getResources().getDrawable(R.drawable.c5),t);
35         animacion.addFrame(getResources().getDrawable(R.drawable.c6),t);
36         animacion.addFrame(getResources().getDrawable(R.drawable.c7),t);
```

```
37     animacion.addFrame(getResources().getDrawable(R.drawable.c9),t);
38     animacion.addFrame(getResources().getDrawable(R.drawable.c10),t);
39     animacion.addFrame(getResources().getDrawable(R.drawable.c11),t);
40     animacion.addFrame(getResources().getDrawable(R.drawable.c12),t);
41     animacion.addFrame(getResources().getDrawable(R.drawable.c13),t);
42
43     animacion.setOneShot(false);
44     foto.setImageDrawable(animacion);
45     btn1.setOnClickListener(this);
46     btn2.setOnClickListener(this);
47 }
48
49 @Override
50 public void onClick(View view) {
51     if (view.getId() == R.id.btnPlay)
52         animacion.start();
53     else
54         animacion.stop();
55
56 }
57 }
```