



Unidad Profesional Interdisciplinaria en Ingeniería y  
Tecnologías Avanzadas

DISPOSITIVOS MÓVILES

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## Práctica 15

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Grupo: 2TM19

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# 1 XML

```
1
2 <?xml version="1.0" encoding="utf-8"?>
3 <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
4   xmlns:app="http://schemas.android.com/apk/res-auto"
5   xmlns:tools="http://schemas.android.com/tools"
6   android:layout_width="match_parent"
7   android:layout_height="match_parent"
8   android:orientation="vertical"
9   tools:context=".MainActivity"
10  android:layout_margin="30sp">
11
12  <TextView
13    android:layout_marginTop="40dp"
14    android:gravity="center_horizontal"
15    android:layout_width="match_parent"
16    android:layout_height="wrap_content"
17    android:text=" lbum de fotos"
18    android:textSize="30dp"
19    android:fontFamily="@font/montserrat_regular"
20    android:textColor="@android:color/black"
21  />
22
23  <LinearLayout
24    android:layout_marginTop="40dp"
25    android:layout_width="match_parent"
26    android:layout_height="wrap_content"
27    android:orientation="horizontal">
28
29    <Button
30      android:id="@+id/btnPlay"
31      android:layout_width="wrap_content"
32      android:layout_height="wrap_content"
33      android:text="Iniciar"
34      android:textSize="16dp"
35      android:layout_marginRight="130dp"
36      android:backgroundTint="#4DB6AC"/>
37
38    <Button
39      android:id="@+id/btnStop"
40      android:layout_width="wrap_content"
41      android:layout_height="wrap_content"
42      android:backgroundTint="#4DB6AC"
43      android:text="Detener"
44      android:textSize="16dp" />
45
46  </LinearLayout>
47
48
```

```
49
50 <ImageView
51     android:id="@+id/imageView"
52     android:layout_width="match_parent"
53     android:layout_height="320dp"
54     android:layout_marginTop="30dp"
55     tools:srcCompat="@tools:sample/avatars"
56 />
57
58 <TextView
59     android:id="@+id/txtName"
60     android:fontFamily="@font/montserrat_regular"
61     android:gravity="center_horizontal"
62     android:layout_marginTop="50dp"
63     android:layout_gravity="center_horizontal"
64     android:layout_width="match_parent"
65     android:layout_height="wrap_content"
66     android:text="Album de fotos"
67     android:textSize="20dp"
68 />
69 </LinearLayout>
```

## 2 animacion\_fotos

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <animation-list xmlns:android = "http://schemas.android.com/apk/res/
   android"
3     android:oneshot="false">
4
5
6 <item android:drawable="@drawable/f1"
7     android:duration="2000"/>
8 <item android:drawable="@drawable/f2"
9     android:duration="2000"/>
10 <item android:drawable="@drawable/f3"
11     android:duration="2000"/>
12 <item android:drawable="@drawable/f4"
13     android:duration="2000"/>
14 <item android:drawable="@drawable/f5"
15     android:duration="2000"/>
16 <item android:drawable="@drawable/f6"
17     android:duration="2000"/>
18 <item android:drawable="@drawable/f7"
19     android:duration="2000"/>
20 <item android:drawable="@drawable/f8"
21     android:duration="2000"/>
22 <item android:drawable="@drawable/f9"
23     android:duration="2000"/>
24 <item android:drawable="@drawable/f10">
```

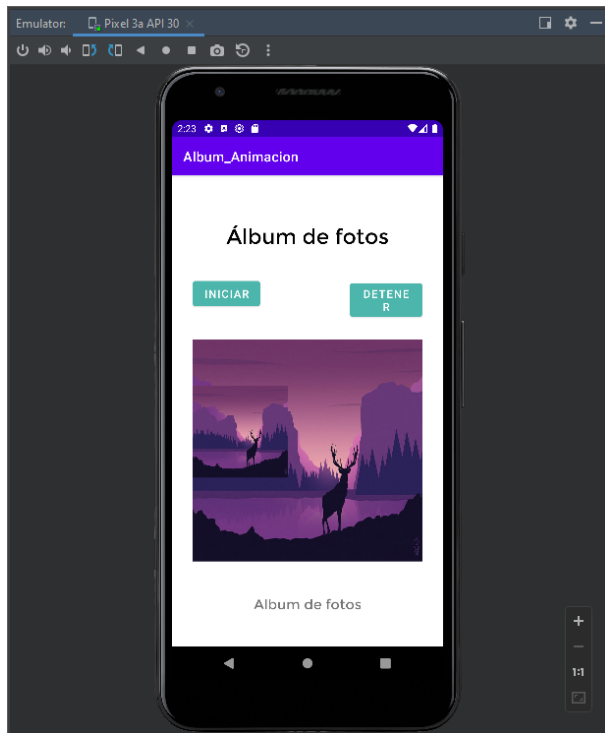
```
25 android:duration="2000"/>
26
27 </animation-list>
```

### 3 JAVA

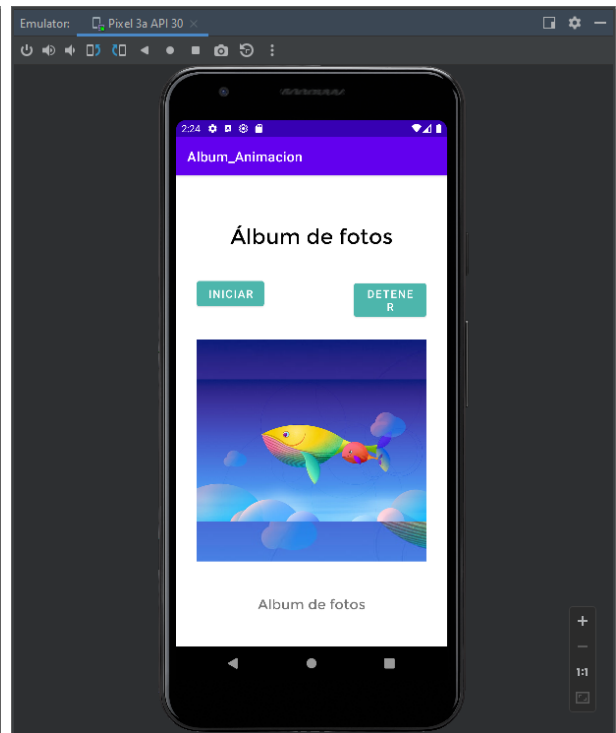
```
1 package com.example.album_animacion;
2
3 import androidx.appcompat.app.AppCompatActivity;
4
5 import android.graphics.drawable.AnimationDrawable;
6 import android.os.Bundle;
7 import android.view.View;
8 import android.widget.Button;
9 import android.widget.ImageView;
10 import android.widget.TextView;
11
12 public class MainActivity extends AppCompatActivity implements View.
    OnClickListener {
13
14
15     TextView tvnombre;
16     ImageView foto;
17     AnimationDrawable animacion;
18
19     @Override
20     protected void onCreate(Bundle savedInstanceState) {
21         super.onCreate(savedInstanceState);
22         setContentView(R.layout.activity_main);
23
24         Button btn1 = (Button) findViewById(R.id.btnPlay);
25         Button btn2 = (Button) findViewById(R.id.btnStop);
26
27         foto = (ImageView) findViewById(R.id.imageView);
28         foto.setBackgroundResource(R.drawable.animacion_fotos);
29         animacion= new AnimationDrawable();
30         animacion = (AnimationDrawable) foto.getBackground();
31         foto.setImageDrawable(animacion);
32
33         btn1.setOnClickListener(this);
34         btn2.setOnClickListener(this);
35     }
36
37     @Override
38     public void onClick(View view) {
39         if(view.getId() == R.id.btnPlay)
40             animacion.start();
41         else
42             animacion.stop();
```

```
43     }  
44 }
```

## 4 Resultados



(a) Boton Detener



(b) Boton Iniciar