

## Tarea Individual 8 - Reproduccion audio y video

Objetivo:

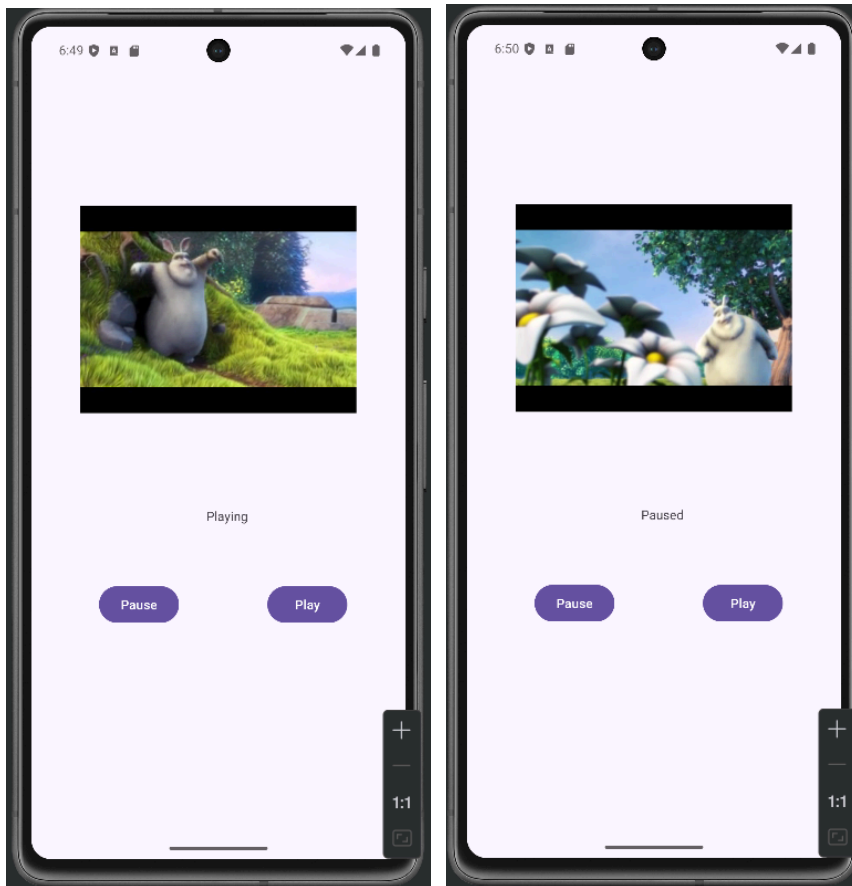
Crear una aplicación con un menú que permita al usuario reproducir un archivo de audio y un archivo de video utilizando MediaPlayer y VideoView respectivamente.

He separado las actividades en dos.

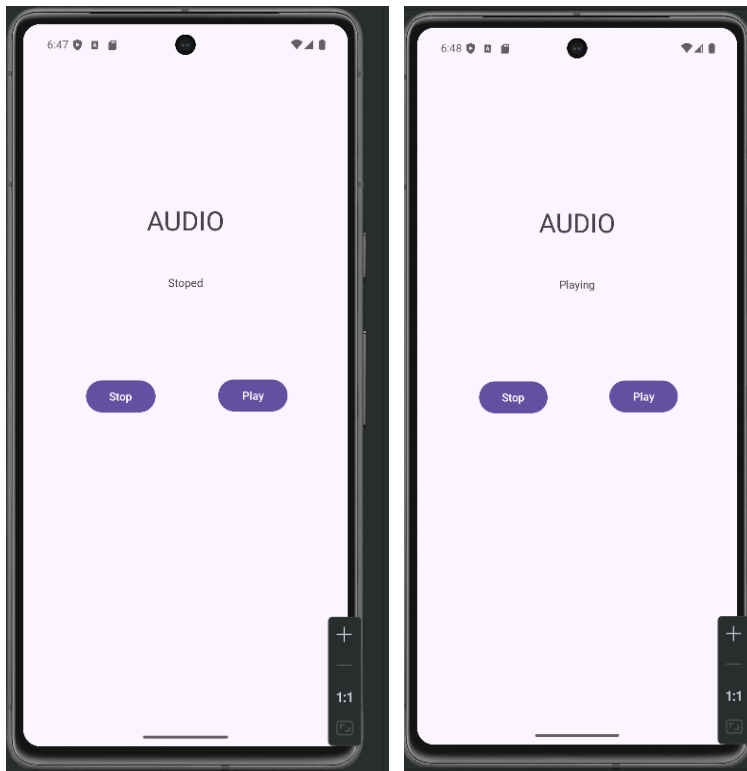
Al iniciar la del video, carga el Uri, y mediante un TextView informa de que está parado:



Al iniciarlo, se inicia el vídeo y se cambia el TextView. Se puede volver a pausar:



Y para el audio:



ADICIONAL:

-Uso de AudioManager para subir, bajar y mutear el volumen:



ADICIONAL: en

**Kotlin .**

Códigos:

```
package com.example.ejer8

import android.content.Intent
import android.os.Bundle
import android.widget.Button
import androidx.activity.enableEdgeToEdge
import androidx.appcompat.app.AppCompatActivity
import androidx.core.view.ViewCompat
import androidx.core.view.WindowInsetsCompat

class MainActivity : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        enableEdgeToEdge()
        setContentView(R.layout.activity_main)
        ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main)) { v, insets ->
            val systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars())
            v.setPadding(systemBars.left, systemBars.top, systemBars.right,
systemBars.bottom)
            insets
        }

        val btnViAct: Button = findViewById(R.id.btnViAct)
        btnViAct.setOnClickListener{

            val intent = Intent(this, videoActivity::class.java)
            startActivity(intent)
        }

        val btnAuAct: Button = findViewById(R.id.btnAuAct)
        btnAuAct.setOnClickListener{

            val intent = Intent(this, audioActivity::class.java)
            startActivity(intent)
        }
    }
}
```

```
package com.example.ejer8

import android.media.AudioManager
```

```

import android.media.MediaPlayer
import android.net.Uri
import android.os.Bundle
import android.widget.Button
import android.widget.TextView
import androidx.activity.enableEdgeToEdge
import androidx.appcompat.app.AppCompatActivity
import androidx.core.view.ViewCompat
import androidx.core.view.WindowInsetsCompat
import java.io.IOException

class audioActivity : AppCompatActivity() {

    private lateinit var audioManager: AudioManager

    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        enableEdgeToEdge()
        setContentView(R.layout.activity_audio)
        ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main)) { v, insets ->
            val systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars())
            v.setPadding(systemBars.left, systemBars.top, systemBars.right,
systemBars.bottom)
            insets
        }

        val tvAudioState:TextView = findViewById(R.id.tvAudioState)

        val uri:String =
"https://www.learningcontainer.com/wp-content/uploads/2020/02/Sample-OGG-File.ogg"

        val audioUri:Uri = Uri.parse(uri)

        val mediaPlayer: MediaPlayer = MediaPlayer.create(this, audioUri)

        val btnAudioPlay:Button = findViewById(R.id.btnAudioPlay)
        btnAudioPlay.setOnClickListener{

            tvAudioState.text="Playing"

            if(!mediaPlayer.isPlaying()){
                mediaPlayer.start()
            }

        }

        val btnAudioStop:Button = findViewById(R.id.btnAudioStop)
        btnAudioStop.setOnClickListener{

```

```

        tvAudioState.text="Stopped"

        if(mediaPlayer.isPlaying()){
            mediaPlayer.stop()
            mediaPlayer.prepare()
        }

    }

    AudioManager =getSystemService(AUDIO_SERVICE) as AudioManager

    val btnSilence:Button = findViewById(R.id.btnSilence)
    btnSilence.setOnClickListener{

        AudioManager.adjustVolume(AudioManager.ADJUST_MUTE,
        AudioManager.FLAG_SHOW_UI)

    }

    val btnIncrease:Button = findViewById(R.id.btnIncrease)
    btnIncrease.setOnClickListener{

        AudioManager.adjustVolume(AudioManager.ADJUST_RAISE,
        AudioManager.FLAG_SHOW_UI)

    }

    val btnDecrease:Button = findViewById(R.id.btnDecrease)
    btnDecrease.setOnClickListener{

        AudioManager.adjustVolume(AudioManager.ADJUST_LOWER,
        AudioManager.FLAG_SHOW_UI)

    }

}
}

```

```

package com.example.ejer8

import android.net.Uri
import android.os.Bundle
import android.widget.Button
import android.widget.TextView
import android.widget.VideoView
import androidx.activity.enableEdgeToEdge

```

```

import androidx.appcompat.app.AppCompatActivity
import androidx.core.view.ViewCompat
import androidx.core.view.WindowInsetsCompat

class videoActivity : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        enableEdgeToEdge()
        setContentView(R.layout.activity_video)
        ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main)) { v, insets ->
            val systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars())
            v.setPadding(systemBars.left, systemBars.top, systemBars.right,
systemBars.bottom)
            insets
        }

        val videoView: VideoView = findViewById(R.id.videoView)
        val
videoUrl:String="https://www.learningcontainer.com/wp-content/uploads/2020/05/sample-
mp4-file.mp4"
        val videoUri:Uri = Uri.parse(videoUrl)
        videoView.setVideoURI(videoUri)

        val tvVideoState: TextView = findViewById(R.id.tvVideoState)

        val btnVideoPause:Button = findViewById(R.id.btnVideoPause)
        btnVideoPause.setOnClickListener{
            videoView.pause()
            tvVideoState.text="Paused"
        }

        val btnVideoPlay:Button = findViewById(R.id.btnVideoPlay)
        btnVideoPlay.setOnClickListener{
            videoView.start()
            tvVideoState.text="Playing"
        }
    }
}

```