



UNIVERSIDAD DE COLIMA

Universidad de Colima

Facultad de Telemática

Ingeniería de software

Programación de Móviles

Trabajo independiente - Grabación de audio mediante el grabador provisto por Android (via Intent) en kotlin

Segunda parcial

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5°D

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activity_main.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">

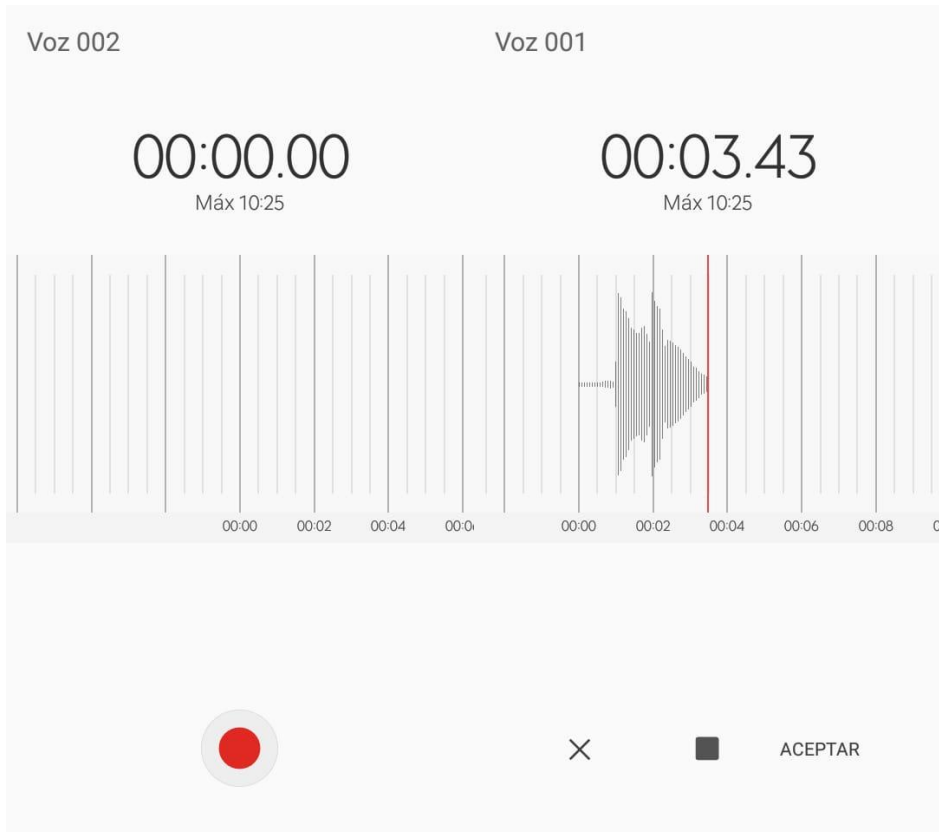
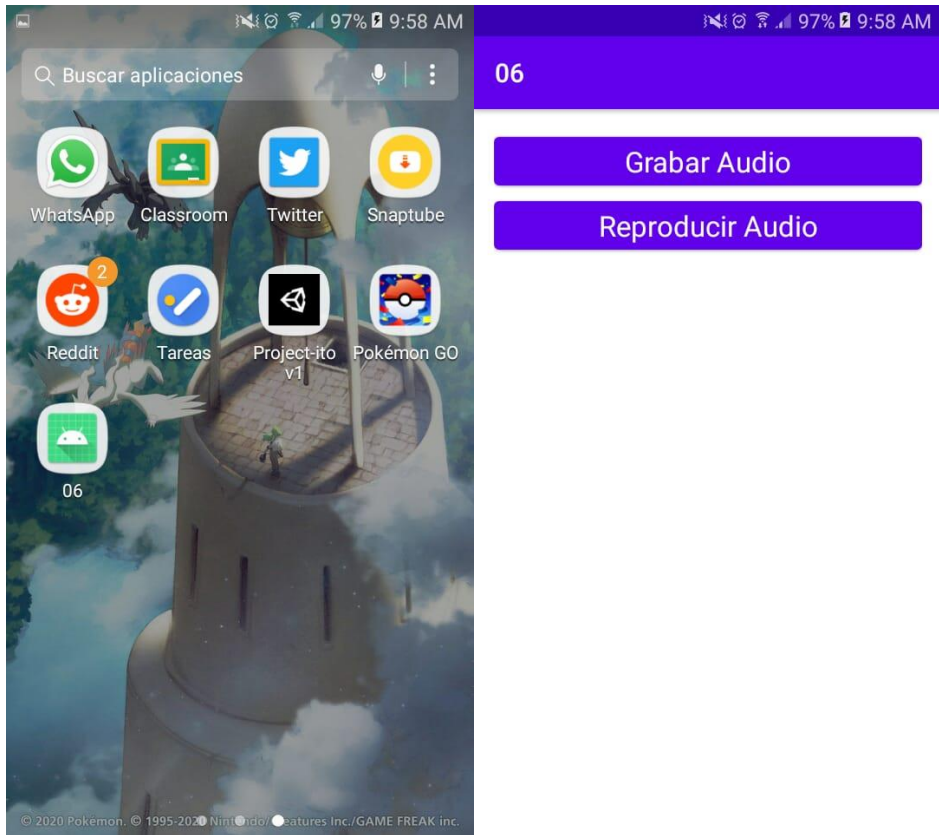
    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:orientation="vertical"
        android:padding="15dp">

        <Button
            android:id="@+id/b1"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Grabar Audio"
            android:textAppearance="@style/TextAppearance.AppCompat.Large" />

        <Button
            android:id="@+id/b2"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Reproducir Audio"
            android:textAppearance="@style/TextAppearance.AppCompat.Large" />

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

Interfaz



MainActivity.kt

```
package com.example.grabadoraintent

import android.app.Activity
import android.content.Intent
import android.media.MediaPlayer
import android.net.Uri
import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import android.provider.MediaStore
import kotlinx.android.synthetic.main.activity_main.*

class MainActivity : AppCompatActivity() {
    private val petition = 1
    private lateinit var url1: Uri
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)
        b1.setOnClickListener {
            val intent = Intent(MediaStore.Audio.Media.RECORD_SOUND_ACTION)
            startActivityForResult(intent, petition)
        }

        b2.setOnClickListener {
            val mediaPlayer = MediaPlayer.create(this, url1)
            mediaPlayer.start()
        }
    }
    override fun onActivityResult(requestCode: Int, resultCode: Int, data: Intent?) {
        super.onActivityResult(requestCode, resultCode, data)
        if (resultCode == Activity.RESULT_OK && requestCode == petition) {
            if (data != null) {
                url1 = data.data!!
            }
        }
    }
}
```