

Practical: 7

AIM- Create a Video player application

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MainActivity.kt:

```
package
com.Mahavirpatel.mad_practical7_21012011088import
android.content.Intent
import android.net.Uri
import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import android.widget.MediaController
import android.widget.VideoView
import com.google.android.material.floatingactionbutton.FloatingActionButton

class MainActivity : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)

        val toYtBtn=findViewById<FloatingActionButton>(R.id.fb1)
        toYtBtn.setOnClickListener{
            val intent = Intent(this, YoutubeActivity::class.java)
            startActivity(intent)
        }
        initVideoPlayer()
    }
    private fun initVideoPlayer(){
        val videoView = findViewById<VideoView>(R.id.videoView)
        val mediaController = MediaController(this)
        val uri:Uri = Uri.parse("android.resource://" + packageName + "/" + R.raw.thestoryoflight)

        mediaController.setAnchorView(videoView)
        videoView.setMediaController(mediaController);
        videoView.setVideoURI(uri);
        videoView.requestFocus();
        videoView.start();
    }
}
```

YoutubeActivity.kt

```
package com.Mahavirpatel.mad_practical7_21012011088
import android.content.Intent
import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import android.webkit.WebView
import com.google.android.material.floatingactionbutton.FloatingActionButton

class YoutubeActivity : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_youtube)

        val toMainActBtn = findViewById<FloatingActionButton>(R.id.fb2)
        toMainActBtn.setOnClickListener{
```

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```
        val intent= Intent(this,MainActivity::class.java)
        startActivity(intent)
    }
    initYoutubePlayer()
}
private fun initYoutubePlayer(){
    val id = "fJn9B64Znrk"
    val webView = findViewById<WebView>(R.id.wv1)
    val webSettings = webView.settings
    webSettings.javaScriptEnabled=true
    webView.settings.loadWithOverviewMode = true
    webView.settings.useWideViewPort = true
    webView.loadUrl("https://www.youtube.com/embed/$id")
}
}
```

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">

    <VideoView
        android:id="@+id/videoView"
        android:layout_width="match_parent"
        android:layout_height="match_parent" />

    <com.google.android.material.floatingactionbutton.FloatingActionButton
        android:id="@+id/fb1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginHorizontal="20dp"
        android:layout_marginVertical="20dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:srcCompat="@android:drawable/ic_menu_gallery">

    </com.google.android.material.floatingactionbutton.FloatingActionButton>
</androidx.constraintlayout.widget.ConstraintLayout>
```

Activity_youtube.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=".YoutubeActivity">
```

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```
<WebView
    android:id="@+id/wv1"
    android:layout_width="match_parent"
    android:layout_height="match_parent" />

<com.google.android.material.floatingactionbutton.FloatingActionButton
    android:id="@+id/fb2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:srcCompat="@android:drawable/ic_menu_gallery"
    android:layout_marginHorizontal="20dp"
    android:layout_marginVertical="20dp">

</com.google.android.material.floatingactionbutton.FloatingActionButton>
</androidx.constraintlayout.widget.ConstraintLayout>
```

Design:

