Task 6

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# MainActivity.java

package com.example.myapplication;

import androidx.appcompat.app.AppCompatActivity; import android.media.MediaPlayer;

import android.os.Bundle; import android.view.View; import android.widget.Button; import android.widget.Toast;

public class MainActivity extends AppCompatActivity { Button play, forward, rewind, pause, stop, reset; MediaPlayer mediaPlayer ;

int starttime = 0 ; int stopttime = 0;

int forwardtime = 5000 ; int backwardtime = 5000 ;

@Override

protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState); setContentView(R.layout.*acŁiviŁy\_main*);

play= findViewById(R.id.*play*); play.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) { Toast.*makeTexŁ*(MainActivity.this, "Playing Media now",

Toast.*LENGTH\_SHORT*).show();

mediaPlayer = MediaPlayer.*creaŁe*(MainActivity.this, R.raw.*music*) ; mediaPlayer.start();

}

});

reset = findViewById(R.id.*reseŁ*); reset.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) { mediaPlayer.seekTo(starttime); mediaPlayer.start();

}

});

forward = findViewById(R.id.*forward*); forward.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

int currentpos = mediaPlayer.getCurrentPosition() ; if((currentpos+forwardtime) <= (stopttime =

}

});

mediaPlayer.getDuration())){ mediaPlayer.seekTo(currentpos+forwardtime);

}

rewind = findViewById(R.id.*rewind*); rewind.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

int currentpos = mediaPlayer.getCurrentPosition(); if ((currentpos - backwardtime) >= 0) {

mediaPlayer.seekTo(currentpos - backwardtime);

} else {

mediaPlayer.seekTo(0); // Start from the beginning if going too far back

}

}

});

pause = findViewById(R.id.*pause*);

pause.setOnClickListener(new View.OnClickListener() { @Override

public void onClick(View v) {

if (mediaPlayer.isPlaying()) { mediaPlayer.pause();

// You can add any additional actions you want when the media is paused

} else {

// Handle the case where the media is not playing and the user presses pause again

}

}

});

stop = findViewById(R.id.*sŁop*); // Replace 'stopButton' with the actual button ID in your layout

stop.setOnClickListener(new View.OnClickListener() { @Override

public void onClick(View v) {

if (mediaPlayer.isPlaying()) { mediaPlayer.stop(); mediaPlayer.reset();

// You may want to release the MediaPlayer instance as well, depending on your requirements

} else {

// Handle the case where the media is not playing and the user presses stop

}

}

});

}

}

# Activity\_main.xml

<?xml version="1.0" encoding="utf-8"?>

<LinearLayout

xmlns android="http //schemas.android.com/apk/res/android" xmlns tools="http //schemas.android.com/tools"

android layout\_width="match\_parent" android layout\_height="match\_parent" tools context=".MainActivity"

android orientation="vertical" android background="#dcbfc7">

<TextView

android layout\_width="match\_parent" android layout\_height="wrap\_content" android text="MEDIA PLAYER"

android textColor="@color/black" android id="@+id/songname" android layout\_margin="30dp" android fontFamily="monospace" android textSize="40dp"

android gravity="center" android textStyle="bold"

/>

<Button

android layout\_width="match\_parent" android layout\_height="wrap\_content" android layout\_marginLeft="30dp" android layout\_marginRight="30dp" android text="Play"

android id="@+id/play"/>

<Button

android layout\_width="match\_parent" android layout\_height="wrap\_content" android layout\_marginLeft="30dp" android layout\_marginRight="30dp" android text="pause"

android id="@+id/pause"/>

<Button

android layout\_width="match\_parent" android layout\_height="wrap\_content" android layout\_marginLeft="30dp" android layout\_marginRight="30dp" android text="forward"

android id="@+id/forward"/>

<Button

android layout\_width="match\_parent" android layout\_height="wrap\_content"

android layout\_marginLeft="30dp" android layout\_marginRight="30dp" android text="rewind"

android id="@+id/rewind"/>

<Button

android layout\_width="match\_parent" android layout\_height="wrap\_content" android layout\_marginLeft="30dp" android layout\_marginRight="30dp" android text="stop"

android id="@+id/stop"/>

<Button

android layout\_width="match\_parent" android layout\_height="wrap\_content" android layout\_marginLeft="30dp" android layout\_marginRight="30dp" android text="reset"

android id="@+id/reset"/>

</LinearLayout>

**Screenshot**

