MEDIA PLAYER

MAINACTIVITY.java

package com.example.sujay\_is171\_media\_player;

import android.media.MediaPlayer;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.TextView;

import android.widget.Toast;

import androidx.appcompat.app.AppCompatActivity;

public class MainActivity extends AppCompatActivity {

MediaPlayer mediaPlayer,mediaPlayer\_new;

int forwardTime = 5000;

int backwardTime = 5000;

Button play, forward, rewind, pause, stop, reset;

int starttime = 0 ; // startime is 0s

int stopttime = 0; // stoptime is 0s by default

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.*activity\_main*);

mediaPlayer = MediaPlayer.*create*(this, R.raw.*rickroll*);

TextView songTitle = findViewById(R.id.*textView21*);

songTitle.setText("Heeriye");

Button play = findViewById(R.id.*play*);

play.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

Toast.*makeText*(getApplicationContext(), "Playing Song", Toast.*LENGTH\_LONG*).show();

mediaPlayer.start();

}

});

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

pause.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

Toast.*makeText*(getApplicationContext(), "Pausing Song", Toast.*LENGTH\_LONG*).show();

mediaPlayer.pause();

}

});

Button forward = findViewById(R.id.*forward*);

forward.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

int currentPos = mediaPlayer.getCurrentPosition();

if ((currentPos + forwardTime) <= mediaPlayer.getDuration()) {

mediaPlayer.seekTo(currentPos + forwardTime);

}

}

});

Button 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);

}

}

});

Button stop = findViewById(R.id.*stop*);

stop.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

Toast.*makeText*(getApplicationContext(), "Stopping Song", Toast.*LENGTH\_LONG*).show();

mediaPlayer.stop();

mediaPlayer = MediaPlayer.*create*(MainActivity.this, R.raw.*rickroll*);

}

});

Button restart = findViewById(R.id.*restart*);

restart.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

Toast.*makeText*(getApplicationContext(), "Restarting Song", Toast.*LENGTH\_LONG*).show();

mediaPlayer.seekTo(0);

mediaPlayer.start();

}

});

}

}

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"

android:orientation="vertical"

tools:context=".MainActivity" >

<LinearLayout

android:id="@+id/linearLayout"

android:layout\_width="404dp"

android:layout\_height="401dp"

android:layout\_marginTop="280dp"

android:orientation="vertical"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.326"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.0">

<Button

android:id="@+id/play"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="play"

app:icon="@android:drawable/ic\_media\_play" />

<Button

android:id="@+id/pause"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="pause"

app:icon="@android:drawable/ic\_media\_pause" />

<Button

android:id="@+id/forward"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="forward"

app:icon="@android:drawable/ic\_media\_ff" />

<Button

android:id="@+id/rewind"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="rewind"

app:icon="@android:drawable/ic\_media\_rew" />

<Button

android:id="@+id/stop"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="stop"

app:icon="@android:drawable/ic\_delete" />

<Button

android:id="@+id/restart"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:minHeight="48dp"

android:text="restart"

app:icon="@android:drawable/ic\_menu\_rotate"

tools:ignore="TouchTargetSizeCheck" />

</LinearLayout>

<LinearLayout

android:layout\_width="409dp"

android:layout\_height="224dp"

android:layout\_marginStart="1dp"

android:layout\_marginEnd="1dp"

android:layout\_marginBottom="1dp"

android:orientation="vertical"

app:layout\_constraintBottom\_toTopOf="@+id/linearLayout"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="1.0"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.42">

<TextView

android:id="@+id/textView20"

android:layout\_width="match\_parent"

android:layout\_height="111dp"

android:text="Media Player"

android:textAlignment="center"

android:textColor="#673AB7"

android:textSize="48sp"

android:textStyle="italic" />

<View

android:id="@+id/divider2"

android:layout\_width="match\_parent"

android:layout\_height="1dp"

android:background="?android:attr/listDivider" />

<TextView

android:id="@+id/textView21"

android:layout\_width="match\_parent"

android:layout\_height="72dp"

android:text="Heeriye"

android:textAlignment="center"

android:textAllCaps="false"

android:textColor="#2196F3"

android:textSize="34sp"

android:textStyle="italic" />

</LinearLayout>

</androidx.constraintlayout.widget.ConstraintLayout>

