**MEDIA PLAYER**

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**ACTIVITY.XML**

<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout 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:orientation="vertical"  
 android:layout\_height="match\_parent"  
 android:layout\_marginTop="100dp"  
 tools:context=".MainActivity">  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Media Player"  
 android:textSize="50dp"  
 android:layout\_gravity="center"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintLeft\_toLeftOf="parent"  
 app:layout\_constraintRight\_toRightOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
 <TextView  
 android:id="@+id/songname"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center"  
 android:text="VANDE MATARAM"  
 android:textSize="30dp" />  
  
 <Button  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center"  
 android:id="@+id/play"  
 android:text="PLAY"/>  
  
 <Button  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center"  
 android:id="@+id/pause"  
 android:text="PAUSE"/>  
  
 <Button  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center"  
 android:id="@+id/forward"  
 android:text="FORWARD"/>  
  
 <Button  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center"  
 android:id="@+id/rewind"  
 android:text="REWIND"/>  
  
 <Button  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center"  
 android:id="@+id/stop"  
 android:text="STOP"/>  
  
 <Button  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center"  
 android:id="@+id/restart"  
 android:text="RESTART"/>  
  
</LinearLayout>

**ACTIVITY MAIN.JAVA**

package com.example.mediaplayer;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.media.MediaPlayer;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.TextView;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity {  
 int startime=0;  
 int stoptime=0;  
 int forwardtime=5000;  
 int backwardtime=5000;  
 MediaPlayer mediaplayer,mediaplayernew;  
  
 MediaPlayer createMedia(){  
 mediaplayernew=MediaPlayer.*create*(this,R.raw.*zarazara*);  
 return mediaplayernew;  
 }  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 mediaplayer= createMedia();  
  
 TextView songtitle=(TextView) findViewById(R.id.*songname*);  
 songtitle.setText("vande mataram");  
  
 Button play=findViewById(R.id.*play*);  
 play.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 Toast.*makeText*(getApplicationContext(), "Playing Song", Toast.*LENGTH\_SHORT*).show();  
 mediaplayer.start();  
 }  
 });  
  
 Button pause=findViewById(R.id.*pause*);  
 pause.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 Toast.*makeText*(getApplicationContext(), "Pausing Song", Toast.*LENGTH\_SHORT*).show();  
 mediaplayer.pause();  
 }  
 });  
 Button forward=findViewById(R.id.*forward*);  
 forward.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 int currentpos=mediaplayer.getCurrentPosition();  
 if((currentpos+forwardtime)<=(stoptime=mediaplayer.getDuration())){  
 mediaplayer.seekTo(currentpos+forwardtime);  
 }  
 }  
 });  
 Button rewind=findViewById(R.id.*rewind*);  
 rewind.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 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 view) {  
 Toast.*makeText*(getApplicationContext(), "Stopping Song", Toast.*LENGTH\_SHORT*).show();  
 mediaplayer.stop();  
 mediaplayer=createMedia();  
 }  
 });  
 Button restart=findViewById(R.id.*restart*);  
 restart.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 Toast.*makeText*(getApplicationContext(), "Restarting Song", Toast.*LENGTH\_SHORT*).show();  
 mediaplayer.seekTo(0);  
 mediaplayer.start();  
 }  
 });  
 }  
}

