2.16 Audio Manager

Activity\_main.java

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| package com.example.audiomanager;  import android.content.Context; import android.media.AudioManager; import android.os.Bundle;  import com.google.android.material.floatingactionbutton.FloatingActionButton; import com.google.android.material.snackbar.Snackbar;  import androidx.appcompat.app.AppCompatActivity; import androidx.appcompat.widget.Toolbar;  import android.view.View; import android.view.Menu; import android.view.MenuItem; import android.widget.Button; import android.widget.Toast;  public class MainActivity extends AppCompatActivity {   Button mode,ring,vibrate,silent;  private AudioManager myAudioManager;   @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.*activity\_main*);  final Toolbar toolbar = findViewById(R.id.*imageView*);   vibrate = (Button) findViewById(R.id.*button3*);  ring = (Button) findViewById(R.id.*button2*);  mode = (Button) findViewById(R.id.*button*);  silent = (Button) findViewById(R.id.*button4*);   myAudioManager=(AudioManager)getSystemService(Context.*AUDIO\_SERVICE*);   vibrate.setOnClickListener(new View.OnClickListener(){  @Override  public void onClick(View v){  myAudioManager.setRingerMode(AudioManager.*RINGER\_MODE\_VIBRATE*);  Toast.*makeText*(MainActivity.this,"Now in Vibrate Mode", Toast.*LENGTH\_LONG*).show();  }  });  ring.setOnClickListener(new View.OnClickListener(){  @Override  public void onClick(View v){  myAudioManager.setRingerMode(AudioManager.*RINGER\_MODE\_NORMAL*);  Toast.*makeText*(MainActivity.this,"Now in Ringing Mode",Toast.*LENGTH\_LONG*).show();  }  });  silent.setOnClickListener(new View.OnClickListener() {  @Override  public void onClick(View v) {  myAudioManager.setRingerMode(AudioManager.*RINGER\_MODE\_SILENT*);  Toast.*makeText*(MainActivity.this,"Now in Silent Mode", Toast.*LENGTH\_LONG*).show();  }  });   mode.setOnClickListener(new View.OnClickListener() {  @Override  public void onClick(View v) {  int mod=myAudioManager.getRingerMode();   if (mod==AudioManager.*RINGER\_MODE\_VIBRATE*){  Toast.*makeText*(MainActivity.this,"Now In vibrate mode", Toast.*LENGTH\_LONG*).show();  }  else if (mod==AudioManager.*RINGER\_MODE\_NORMAL*){  Toast.*makeText*(MainActivity.this,"Now in Ringing mode",Toast.*LENGTH\_LONG*).show();  }  }  });  } } |

Main.activity.xml

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| <?xml version="1.0" encoding="utf-8"?> <RelativeLayout  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:paddingLeft="@dimen/activity\_horizontal\_margin"  android:paddingRight="@dimen/activity\_horizontal\_margin"  android:paddingTop="@dimen/activity\_vertical\_margin"  android:paddingBottom="@dimen/activity\_vertical\_margin"  tools:context=".MainActivity">   <TextView  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:text="Android Audio Recording"  android:id="@+id/textView"  android:textSize="30dp"/>   <Button  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:text="Mode"  android:id="@+id/button"  android:layout\_below="@+id/imageView"  android:layout\_alignParentLeft="true"  android:layout\_alignParentStart="true"  android:layout\_marginTop="59dp"/>   <Button  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:text="Ring"  android:id="@+id/button2"  android:layout\_alignTop="@+id/button"  android:layout\_centerHorizontal="true"/>   <Button  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:text="Vibrate"  android:id="@+id/button3"  android:layout\_alignTop="@+id/button2"  android:layout\_alignRight="@+id/textView"  android:layout\_alignEnd="@+id/textView"/>  <Button  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:text="Silent"  android:id="@+id/button4"  android:layout\_below="@+id/button2"  android:layout\_alignLeft="@+id/button2"  android:layout\_alignStart="@+id/button2"/> </RelativeLayout> |

