

**Assignment**

**Music app using services**

**Mobile Application Development**

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**Batch :23**

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***Code:***

**activity\_main.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:layout\_height="match\_parent"

tools:context=".MainActivity"

android:gravity="center"

android:orientation="vertical">

<Button

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Start"

android:id="@+id/btnStart"/>

<Button

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Stop"

android:id="@+id/btnStop"/>

</LinearLayout>

**MainActivity.java**

package com.example.serviceexample;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

public class MainActivity extends AppCompatActivity {

Button btnStart;

Button btnStop;

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

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

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

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

//btnstart

btnStart.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

startService(new Intent(MainActivity.this,MusicService.class));

}

});

btnStop.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

stopService(new Intent(MainActivity.this,MusicService.class));

}

});}};

**MusicServer.java**

package com.example.serviceexample;

import android.app.Service;

import android.content.Intent;

import android.media.MediaPlayer;

import android.os.IBinder;

import android.provider.Settings;

import androidx.annotation.Nullable;

public class MusicService extends Service {

MediaPlayer mp;

public IBinder onBind(Intent intent) {

return null;

}

public int onStartCommand(Intent intent, int flags, int startId) {

mp=MediaPlayer.*create*(this,Settings.System.*DEFAULT\_RINGTONE\_URI*);

mp.setLooping(true);

mp.start();

return *START\_NOT\_STICKY*;

}

@Override

public void onDestroy() {

mp.stop();

super.onDestroy();

}

}

**AndroidManifist.xml**

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

<manifest xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:tools="http://schemas.android.com/tools">

<application

android:allowBackup="true"

android:dataExtractionRules="@xml/data\_extraction\_rules"

android:fullBackupContent="@xml/backup\_rules"

android:icon="@mipmap/ic\_launcher"

android:label="@string/app\_name"

android:roundIcon="@mipmap/ic\_launcher\_round"

android:supportsRtl="true"

android:theme="@style/Theme.ServiceExample"

tools:targetApi="31">

<activity

android:name=".MainActivity"

android:exported="true">

<intent-filter>

<action android:name="android.intent.action.MAIN" />

<category android:name="android.intent.category.LAUNCHER" />

</intent-filter>

<meta-data

android:name="android.app.lib\_name"

android:value="" />

</activity>

<service android:name=".MusicService"/>

</application>

</manifest>

