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MainActivity.XML File:

```
<?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"
tools:context=".MainActivity"
android:background="@drawable/rectangle_gradient">
```

```
<com.google.android.material.card.MaterialCardView
    android:id="@+id/materialCardView"
    android:layout_width="228dp"
    android:layout_height="220dp"
    android:layout_marginTop="152dp"
    app:cardCornerRadius="20dp"
    app:layout_constraintHorizontal_bias="0.497"
    app:layout_constraintLeft_toLeftOf="parent"
    app:layout_constraintRight_toRightOf="parent"
    app:layout_constraintTop_toTopOf="parent">
```

```
<View
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:background="@drawable/music" />
</com.google.android.material.card.MaterialCardView>
```

```
<TextView
    android:id="@+id/textView"
    android:layout_width="214dp"
    android:layout_height="65dp"
    android:gravity="center"
    android:text="Deep's Music Player"
    android:textColor="#B9EEECF3"
    android:textSize="27sp"
    android:textStyle="italic"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.498"
    app:layout_constraintStart_toStartOf="parent"
```

```
app:layout_constraintTop_toTopOf="parent"  
app:layout_constraintVertical_bias="0.099" />
```

```
<com.google.android.material.floatingactionbutton.FloatingActionButton  
    android:id="@+id/fab_play"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:src="@android:drawable/ic_media_play"  
    app:backgroundTint="#B9EEECF3"  
    app:layout_constraintBottom_toBottomOf="parent"  
    app:layout_constraintEnd_toEndOf="parent"  
    app:layout_constraintHorizontal_bias="0.188"  
    app:layout_constraintStart_toStartOf="parent"  
    app:layout_constraintTop_toTopOf="parent"  
    app:layout_constraintVertical_bias="0.709" />
```

```
<com.google.android.material.floatingactionbutton.FloatingActionButton  
    android:id="@+id/fab_stop"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:src="@drawable/ic_baseline_stop_24"  
    app:backgroundTint="#B9EEECF3"  
    app:fabSize="normal"  
    app:layout_constraintBottom_toBottomOf="parent"  
    app:layout_constraintEnd_toEndOf="parent"  
    app:layout_constraintHorizontal_bias="0.498"  
    app:layout_constraintStart_toStartOf="parent"  
    app:layout_constraintTop_toTopOf="parent"  
    app:layout_constraintVertical_bias="0.709" />
```

```
<com.google.android.material.floatingactionbutton.FloatingActionButton  
    android:id="@+id/fab_pause"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    app:backgroundTint="#B9EEECF3"  
    app:layout_constraintBottom_toBottomOf="parent"  
    app:layout_constraintEnd_toEndOf="parent"  
    app:layout_constraintHorizontal_bias="0.83"  
    app:layout_constraintStart_toStartOf="parent"  
    app:layout_constraintTop_toTopOf="parent"  
    app:layout_constraintVertical_bias="0.709"  
    app:srcCompat="@android:drawable/ic_media_pause" />
```

```
</androidx.constraintlayout.widget.ConstraintLayout>
```


MainActivity.kt File:

```
package com.example.pr_5

import android.content.Intent
import android.media.Image
import android.media.MediaPlayer
import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import android.text.BoringLayout.make
import android.view.View
import android.widget.*
import com.google.android.material.snackbar.Snackbar

class MainActivity : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)
        val play = findViewById<ImageButton>(R.id.fab_play)
        val pause= findViewById<ImageButton>(R.id.fab_pause)
        val stop = findViewById<ImageButton>(R.id.fab_stop)

        play.setOnClickListener {

            val intent : Intent = Intent(applicationContext,MyService::class.java)
            intent.putExtra("Service1", "play")
            startService(intent)
        }
    }
}
```

```

        pause.setOnClickListener {

            val mediaPlayer = MediaPlayer.create(applicationContext,R.raw.dm)
            mediaPlayer.pause()
            val intent : Intent = Intent(applicationContext,MyService::class.java)
            intent.putExtra("Service1", "pause")
            startService(intent)
        }

        stop.setOnClickListener {
            val intent : Intent = Intent(applicationContext,MyService::class.java)
            stopService(intent)
        }

    }
}

```

MyService.kt File:

```

package com.example.pr_5

import android.app.Service
import android.content.Intent
import android.os.IBinder
import android.media.MediaPlayer
import android.widget.SeekBar
import android.widget.TextView

@Suppress("UNREACHABLE_CODE")
class MyService : Service()
{
    lateinit var mediaPlayer : MediaPlayer

    override fun onBind(p0: Intent?): IBinder? {
        return null
    }

    override fun onStartCommand(intent: Intent?, flags: Int, startId: Int): Int {

        if(!this::mediaPlayer.isInitialized)

```

```

{
    mediaPlayer = MediaPlayer.create(this,R.raw.dm)
}

val string1 : String?=intent!!.getStringExtra("Service1")

if(string1 == "play")
{
    mediaPlayer.start()
}

else if(string1 == "pause")
{
    mediaPlayer.pause()
}
return START_STICKY

}

override fun onDestroy() {

    mediaPlayer.stop()
    super.onDestroy()
}

}

```

AndroidManifest.XML File:

```

<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.example.pr5_19012021076">

    <application
        android:allowBackup="true"
        android:icon="@mipmap/ic_launcher"
        android:label="@string/app_name"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportRtl="true"
        android:theme="@style/Theme.MaterialComponents.Light.NoActionBar">

```

```
<service  
  android:name=".MyService"  
  android:enabled="true"  
  android:exported="true"></service>
```

```
<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>  
</activity>  
</application>
```

```
</manifest>
```

