

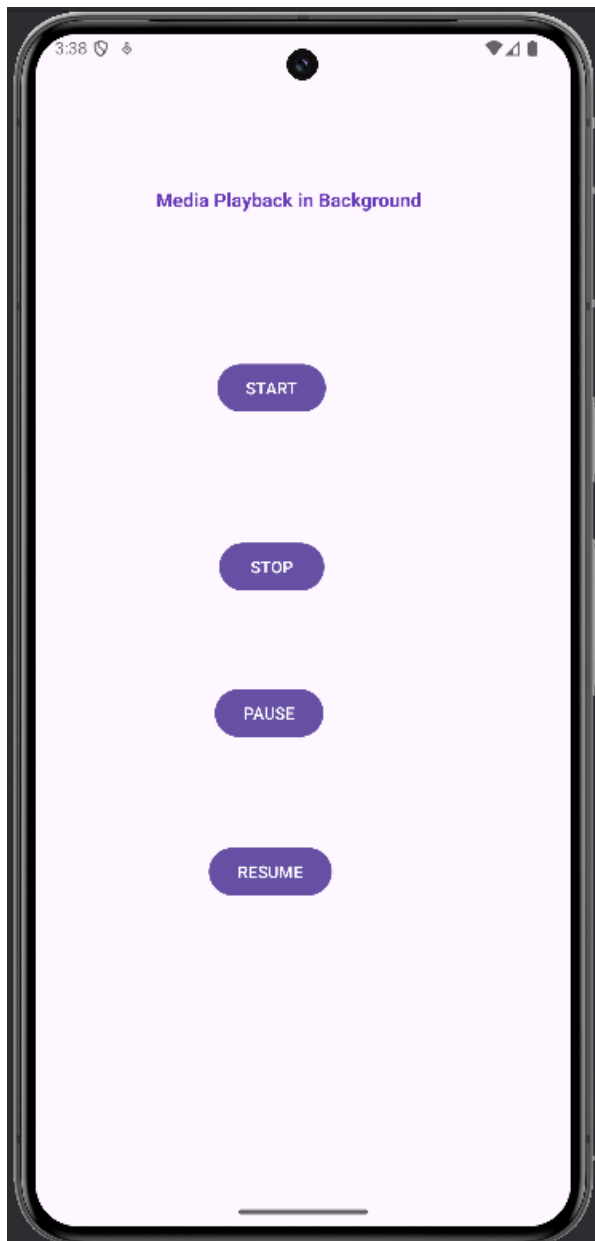
ANDROID APP

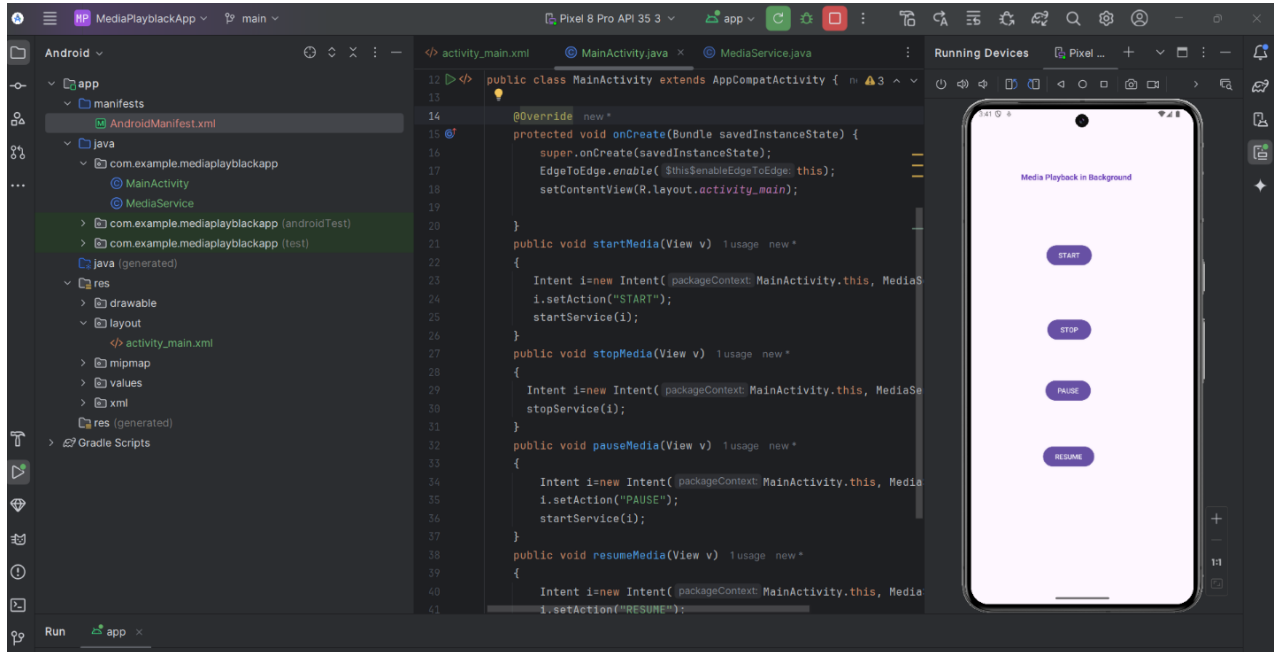
MEDIA PLAYBLACK IN BACKGROUND

Khadeeja Beevi C N

Roll No : 27

SCREENSHOT :





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:id="@+id/main"
android:layout_width="match_parent"
android:layout_height="match_parent"
tools:context=".MainActivity">
```

```
<TextView
    android:id="@+id/textView"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Media Playback in Background"
    android:textColor="#673AB7"
```

```
android:textSize="16sp"
android:textStyle="bold"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.447"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.131" />
```

<Button

```
android:id="@+id/button_start"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginStart="152dp"
android:layout_marginTop="79dp"
android:layout_marginEnd="168dp"
android:layout_marginBottom="29dp"
android:onClick="startMedia"
android:text="START"
app:layout_constraintBottom_toTopOf="@+id/button_stop"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.0"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toBottomOf="@+id/textView" />
```

<Button

```
android:id="@+id/button_stop"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginStart="135dp"
android:layout_marginTop="29dp"
android:layout_marginEnd="188dp"
android:layout_marginBottom="23dp"
android:onClick="stopMedia"
android:text="STOP"
app:layout_constraintBottom_toTopOf="@+id/button_pause"
app:layout_constraintEnd_toEndOf="parent"
```

```
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toBottomOf="@+id/button_start" />
```

```
<Button
```

```
    android:id="@+id/button_resume"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="145dp"
    android:layout_marginTop="28dp"
    android:layout_marginEnd="163dp"
    android:layout_marginBottom="229dp"
    android:onClick="resumeMedia"
    android:text="RESUME"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.0"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/button_pause" />
```

```
<Button
```

```
    android:id="@+id/button_pause"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="131dp"
    android:layout_marginTop="8dp"
    android:layout_marginEnd="188dp"
    android:layout_marginBottom="13dp"
    android:onClick="pauseMedia"
    android:text="PAUSE"
    app:layout_constraintBottom_toTopOf="@+id/button_resume"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/button_stop" />
```

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

MainActivity.java

```
package com.example.mediaplayblackapp;

import android.os.Bundle;

import androidx.activity.EdgeToEdge;
import androidx.appcompat.app.AppCompatActivity;
import androidx.core.graphics.Insets;
import androidx.core.view.ViewCompat;
import androidx.core.view.WindowInsetsCompat;
import android.view.View;
import android.content.Intent;
public class MainActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        EdgeToEdge.enable(this);
        setContentView(R.layout.activity_main);

    }
    public void startMedia(View v)
    {
        Intent i=new Intent(MainActivity.this, MediaService.class);
        i.setAction("START");
        startService(i);
    }
    public void stopMedia(View v)
    {
        Intent i=new Intent(MainActivity.this, MediaService.class);
        stopService(i);
    }
    public void pauseMedia(View v)
    {
        Intent i=new Intent(MainActivity.this, MediaService.class);
```

```

        i.setAction("PAUSE");
        startService(i);
    }
    public void resumeMedia(View v)
    {
        Intent i=new Intent(MainActivity.this, MediaService.class);
        i.setAction("RESUME");
        startService(i);
    }
}

```

MediaService.java

```

package com.example.mediaplayblackapp;

import android.app.Service; //base class to implement service
import android.content.Intent;
import android.os.IBinder; //when we use bound service
import android.media.MediaPlayer;
import android.provider.Settings; //access to settings for the default ringtone

public class MediaService extends Service {
    private MediaPlayer player;

    public MediaService() {
    }

    public int onStartCommand(Intent intent,int flags,int start_id)
    {
        if(intent==null)
        {
            String action=intent.getAction();
            if(action!=null)
            {
                switch(action)

```

```

        {
            case "START":

player=MediaPlayer.create(this,Settings.System.DEFAULT_RINGTONE_URI);
                player.setLooping(true);
                player.start();
                break;
            case "PAUSE":
                if(player!=null && player.isPlaying())
                {
                    player.pause();
                }
                break;
            case "RESUME":
                if(player!=null && !player.isPlaying())
                {
                    player.start();
                }
                break;
        }
    }
}

return START_STICKY; //if service killed by system ( due to lack of
resources or power failure), should be restarted with a null intent
}
public void onDestroy()
{
    super.onDestroy();
    if(player!=null)
    {
        //release media player
        player.release();
        player=null;
    }
}

@Override

```

```
public IBinder onBind(Intent intent) {  
    // TODO: Return the communication channel to the service.  
    //throw new UnsupportedOperationException("Not yet implemented");  
    return null;  
}  
}
```

THANK YOU...