```
import android.content.pm.PackageManager;
    protected void onCreate(Bundle savedInstanceState) {
        initializeHandles();
spinDurationAdapter.setDropDownViewResource(android.R.layout.simple spinner d
        btnStart.setOnClickListener(new View.OnClickListener() {
            public void onClick(View view) {
Integer.parseInt(spinDuration.getSelectedItem().toString());
Manifest.permission.RECORD AUDIO) != PackageManager.PERMISSION GRANTED) {
String[]{Manifest.permission.RECORD AUDIO}, RECORD AUDIO);
                    recordAudioSync = new LongOperation();
    private void initializeHandles() {
```

```
protected void onDestroy() {
       recordAudioSync.done();
protected void onPause() {
   MediaRecorder recorder;
   protected void onPreExecute() {
       btnStart.setImageResource(R.drawable.mic on);
    protected void onPostExecute(String s) {
        Toast.makeText(MainActivity.this, "You Clapped: " + s + " times",
        recorder.setOutputFormat(MediaRecorder.OutputFormat.THREE GPP);
        recorder.setAudioEncoder (MediaRecorder.AudioEncoder.AMR NB);
```

```
recorder.prepare();
    startAmplitude = recorder.getMaxAmplitude();
done();
    recorder.stop();
```

MANIFEAT

```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools">
    <uses-permission android:name="android.permission.RECORD_AUDIO" />
    <application
        android:allowBackup="true"
        android:icon="@mipmap/ic_launcher"
        android:label="@string/app_name"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportsRtl="true"</pre>
```

THEMES

STRING

```
<resources>
     <string name="app_name">ClapCounter</string>
</resources>
```

COLOR

THEMES NIGHT

ACTIVITY

```
<?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"
    android:gravity="center"
    android:orientation="vertical"
    tools:context=".MainActivity">

    <ImageButton
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_height="wrap_content"
        android:layout_width="wrap_content"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_height="wrap_content"
        android:de"@+id/duration"
        android:id="@+id/duration"
        android:layout_width="wrap_content"
        android:layout_width="wrap_content"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_height="wrap_content"
        android:layout_height="wrap_content"
        android:layout_height="wrap_content"
        android:layout_height="wrap_content"
        android:layout_height="wrap_content"
        android:layout_height="wrap_content"
        android:layout_height="wrap_content"
        android:layout_height="wrap_content"
        android:layout_height="wrap_content"</pre>
```

FOR

```
<vector xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:aapt="http://schemas.android.com/aapt"
    android:width="108dp"</pre>
```

```
android:viewportHeight="108">
                android:endX="85.84757"
                android:startY="49.59793"
                    android:offset="0.0" />
   <path
        android:fillColor="#FFFFFF"
        android:fillType="nonZero"
</vector>
```

BACK

```
<?xml version="1.0" encoding="utf-8"?>
<vector xmlns:android="http://schemas.android.com/apk/res/android"
    android:width="108dp"
    android:viewportWidth="108"
    android:viewportHeight="108">
    <path
        android:fillColor="#3DDC84"
        android:pathData="M0,0h108v108h-108z" />
    <path
        android:fillColor="#00000000"
        android:pathData="M9,0L9,108"
        android:strokeWidth="0.8"
        android:strokeColor="#33FFFFFF" />
    <path</pre>
```

```
android:fillColor="#00000000"
<path
    android:fillColor="#00000000"
<path
    android:fillColor="#00000000"
    android:fillColor="#00000000"
```

```
<path
    android:fillColor="#00000000"
<path
    android:fillColor="#00000000"
<path
    android:fillColor="#00000000"
<path
```

```
android:fillColor="#00000000"
       android:fillColor="#0000000"
       android:fillColor="#00000000"
</vector>
```

