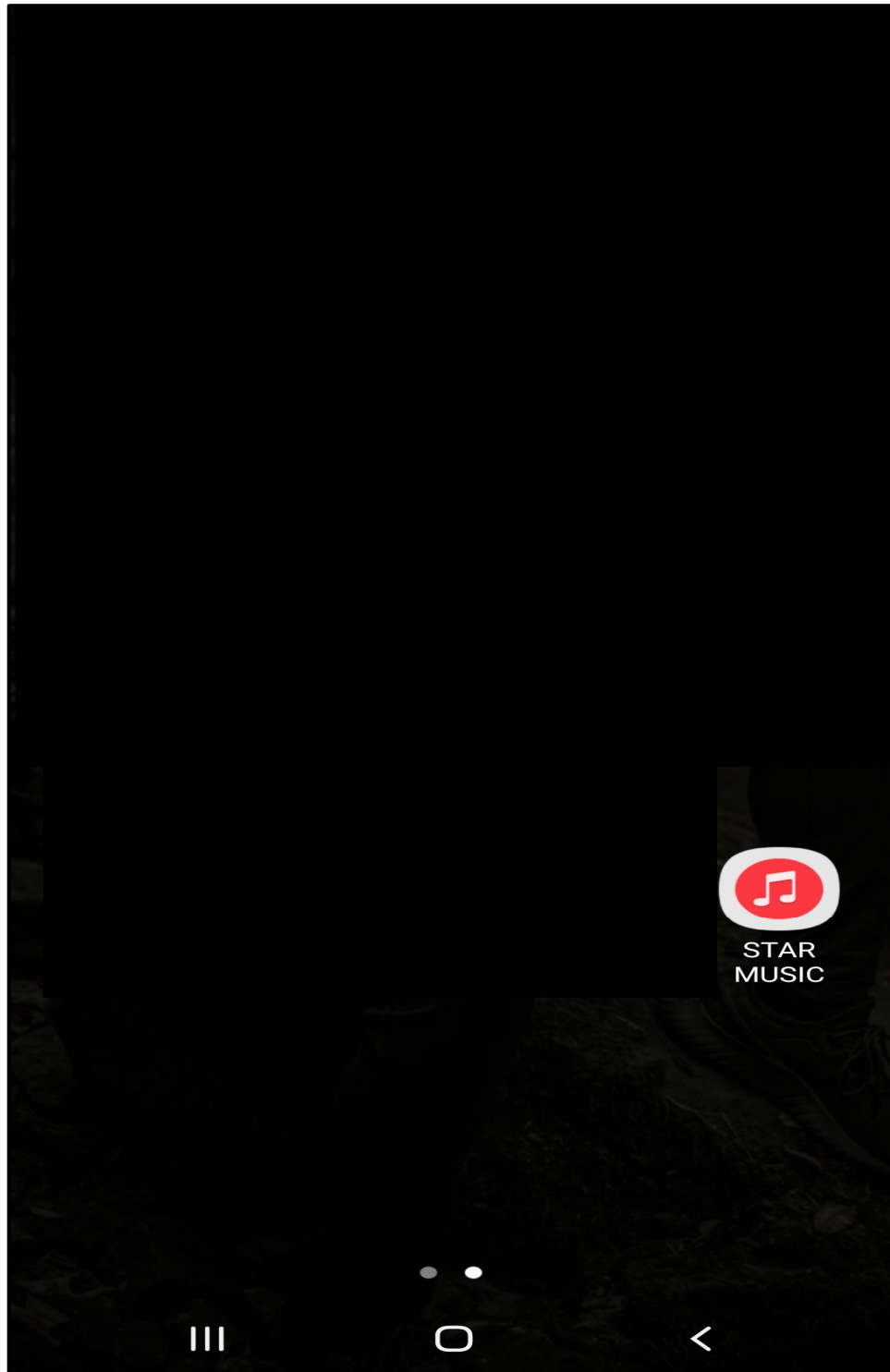# 1) <u>INTRODUCTION:</u>

- ➢ Now let us start with introduction and working of my music app.
- ➢ I had imported some angular modules such as Observable that is used to see that user had subscribed on button or not and some action performed by user and also I had imported moment module also which is used to determine the time of song and according to that it can format the time in some formats I had used format of HH:MM:SS to play and count the current time and total time of song and also run command for it as ***npm install moment.***
- ➢ Now the working of my app is first I had changed my app icon and splash screen using the command ***npm i –g cordova-res*** and another is ***ionic cordova resources*** and also I had changed the images from the resources folder.
- ➢ Now come to my home page where I had placed some song if you want to listen that song simply click on it the song will start and you can listen and on below part you can see some of the buttons and range slider from where we can play, pause, and stop when we click on play it will play song and pause will pause the song and while clicking on stop button the timing will become 00:00:00 means that the song will stop this can be done by moment module which can handle these timings.
- ➢ Now on bottom you can see the volume icon when you will hover or click on it will show the volume from where you can change the volume of your music.
- ➢ And the greatest part is we can increase the song and listen the song according to it.

<u>Screenshots:</u>

A) <u>App Icon image and its name:-</u>

b) Splash page (entry page).

c) Home page (main page).

d) After playing music.

e) When we click on stop button.

f) When we hover or click on volume button it will show.

g) When we directly increase the music.

CODE:

1) FILE: **home.page.ts**

```html
<ion-header [translucent]="true">
  <div class="main">
    <ion-thumbnail class="head">
        <img src="https://png.pngtree.com/png-
clipart/20190515/original/pngtree-music-and-live-music-logo-with-neon-
light-effect-vector-png-image_3669646.jpg" style="width: 100px;">
        <label class="txt">STAR</label>
        <label class="txt1">MUSIC</label>
    </ion-thumbnail>
  </div>
</ion-header>

<ion-content [fullscreen]="true" color="dark">
  <ion-header collapse="condense">
   <ion-toolbar>
    <ion-title size="large"></ion-title>
   </ion-toolbar>
  </ion-header>


  <ion-list class="list1">

    <label style="margin-left: 30%; font-size: 2rem;"><b><u>SONG
LIST</u></b></label>

   <ion-item *ngFor="let file of files" (click)="openFile(file.url)">
    <ion-thumbnail>
     <img src="https://png.pngtree.com/png-
clipart/20190515/original/pngtree-music-and-live-music-logo-with-neon-
light-effect-vector-png-image_3669646.jpg">
    </ion-thumbnail>
    <ion-label style="margin-left: 30px;">{{file.name}}</ion-label>
   </ion-item>
  </ion-list>

  <div class="controls">
   <ion-button (click)="play()" class="play1" color="success"><ion-icon
name="play-outline"></ion-icon></ion-button>
```

```html
  <ion-button (click)="pause()" class="play1" color="light"><ion-icon
name="pause-outline"></ion-icon></ion-button>
  <ion-button (click)="stop()" class="play1" color="success"><ion-icon
name="stop" ></ion-icon></ion-button>
  </div>

<div class="duration">
  <span class="current">{{currentTime}}</span>
  <input type="range" name="" min="{{duration}}" max="{{duration}}"
[value]="seek" (input)="setSeekTo($event)" class="time" >
  <span class="dur">{{duration}}</span>
</div>

<div class="duration1">
  <span class="volicon"><ion-icon name="volume-high" style="height:
40px;width: 40px; margin-top: 10px;" color="secondary"></ion-
icon></span>
  <input type="range" name="" min="0" max="1" step="0.01" value="0.5"
(input)="setVolume($event)" class="vol">
</div>

</ion-content>
```

2) home.page.ts

```typescript
import { Component } from '@angular/core';
import { Observable} from 'rxjs';
import * as moment from 'moment';

@Component({
  selector: 'app-home',
  templateUrl: 'home.page.html',
  styleUrls: ['home.page.scss'],
})
export class HomePage {

audioObj= new Audio();
audioEvents=[
"ended",
"error",
"play",
"playing",
```

```javascript
    "pause",
    "timeupdate",
    "canplay",
    "loadedmetadata",
    "loadstart"

  ];
  files=[
    {
     url:'./assets/1.mp3',
     name:'Champions',
    },
    {
     url:'./assets/2.mp3',
     name:'Desi kalakaar'
    },
    {
     url:'./assets/3.mp3',
     name:'Kar gaye chulll'
    },
    {
     url:'./assets/4.mp3',
     name:'AAI DIL HAI MUSKIL'
    },
    {
     url:'./assets/5.mp3',
     name:'BOL DO NA ZARA'
    },
    {
     url:'./assets/6.mp3',
     name:'GERUA'
    },
    {
     url:'./assets/7.mp3',
     name:'HAMARE AADHURI KAHANI'
    },
    {
     url:'./assets/8.mp3',
     name:'EK VAARIA'
    },
    {
     url:'./assets/9.mp3',
     name:'Cham Cham chammm'
```

```
      },
      {
       url:'./assets/10.mp3',
       name:'MARIZE ISQE HU MAI'
      },
      {
       url:'./assets/11.mp3',
       name:'Gril I NEED YOU'
      },
      {
       url:'./assets/12.mp3',
       name:'My Song12'
      }
    ];

     currentTime= '00:00:00';
     duration= '00:00:00';
      seek= 0;

    streamObserver(url){
           return new Observable(observer=>{
         this.audioObj.src=url;
         this.audioObj.load();
         this.audioObj.play();


         const handler=(event:Event)=>{
         console.log(event);
            this.seek=this.audioObj.currentTime;
            this.duration = this.timeFormat(this.audioObj.duration);

    this.currentTime=this.timeFormat(this.audioObj.currentTime);
         }

         this.addEvent(this.audioObj,this.audioEvents, handler)

         return () =>{
         this.audioObj.pause();
         this.audioObj.currentTime=0;

         this.removeEvent(this.audioObj,this.audioEvents, handler);
         }
            });
```

```
        }

        addEvent(obj,events,handler){

                events.forEach(event =>{
                  obj.addEventListener(event, handler);
                });
        }
        removeEvent(obj,events,handler){
                events.forEach(event =>{
                  obj.removeEventListener(event, handler);
                });
        }

        setSeekTo(ev){
                this.audioObj.currentTime=ev.target.value;
        }


        setVolume(ev){
           this.audioObj.volume=ev.target.value;

           console.log(ev.target.value);

        }

        openFile(url){
                this.streamObserver(url).subscribe(event=>{});
                console.log(url);
        }

        play(){
                this.audioObj.play();
                console.log('clicked play btn')
        }

        pause(){
           this.audioObj.pause();

           console.log('clicked pause btn')
        }

        stop(){
```

```
        this.audioObj.pause();
        this.audioObj.currentTime=0;
            console.log('clicked stop btn')
    }


    timeFormat(time,format="HH:mm:ss"){
            const momentTime= (time*1000);
            return moment.utc(momentTime).format(format);
    }



     constructor() {}
    }
```

3) home.page.scss

```
#container {
  text-align: center;

  position: absolute;
  left: 0;
  right: 0;
  top: 50%;
  transform: translateY(-50%);
}

#container strong {
  font-size: 20px;
  line-height: 26px;
}

#container p {
  font-size: 16px;
  line-height: 22px;

  color: #8c8c8c;

  margin: 0;
}

#container a {
  text-decoration: none;
```

```css
}
.main{
  height:100%;
  width:100%;
  background-color:red;
}
.head{
  position:fixed;
  height:6rem;
  width:100%;
  height:100px;
  background-color:black;
}
.txt{
 display:flex;
 margin-top:-80px;
 postion:absolute;
 margin-left:100px;
 font-size:45px;
 font-weight:bold;
 color:#e40017;
}
.txt1{
 display:flex;
 postion:absolute;
 margin-left:250px;
 margin-top:-60px;
 font-size:45px;
 font-weight:bold;
 color:#78c4d4;
}
.list1{
  background-color:black;
  height:100%;
  margin-top:100px;
  overflow-y:auto;

}
.list1 ion-item{
  position:relative;
  padding:1rem;
  margin-top:-2px;
  font-size:1.5rem;
```

```css
  height:100px;
  border:0.3rem solid black;
  background-color:black;
}
.browse{
  font-size:1.3rem;
  background-color:transparent;
  color:red;
  margin-top:100px;
}
.controls{
  padding:30px;
  position:fixed;
  display:flex;
  margin-top:-200px;
  background-color:black;
  height:100%;
  width:100%;
  margin-left:15px;
}
.play1{
  height:50px;
  margin-left:20px;
  margin-top:10px;
  width:100px;
}
.duration{
  position:fixed;
  margin-top:-47%;
  width:100%;
}
.duration1{
  position:fixed;
  margin-top:-40%;
}
.time{
  width:62%;
  -webkit-appearance:none;
  border-radius:5px;
  outline:none;
  height:10px;
}
.time::webkit-time-thumb{
```

```
  -webkit-appearance:none;
  width:30px;
  height:30px;
  background-color:red;
  border-radius:50%;
}
.vol{
  transform:rotate(90deg);
  display:none;
  margin-left:12px;
  width:50%;
  margin-top:-20px;
  -webkit-appearance:none;
  border-radius:5px;
  outline:none;
  height:10px;
}
.volicon:hover + .vol{
  display:block;
}
```

Apk:

app-debug.apk