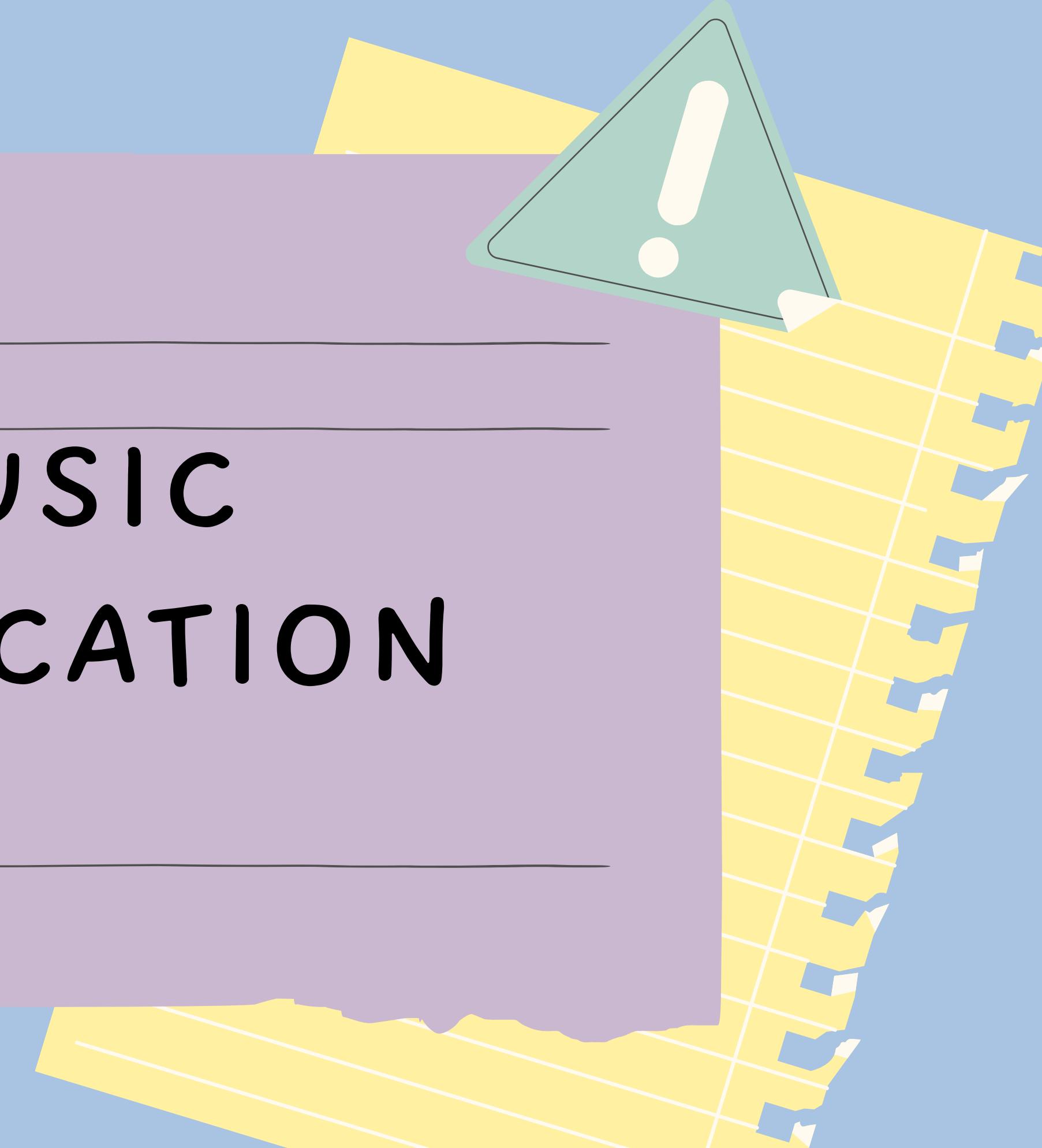
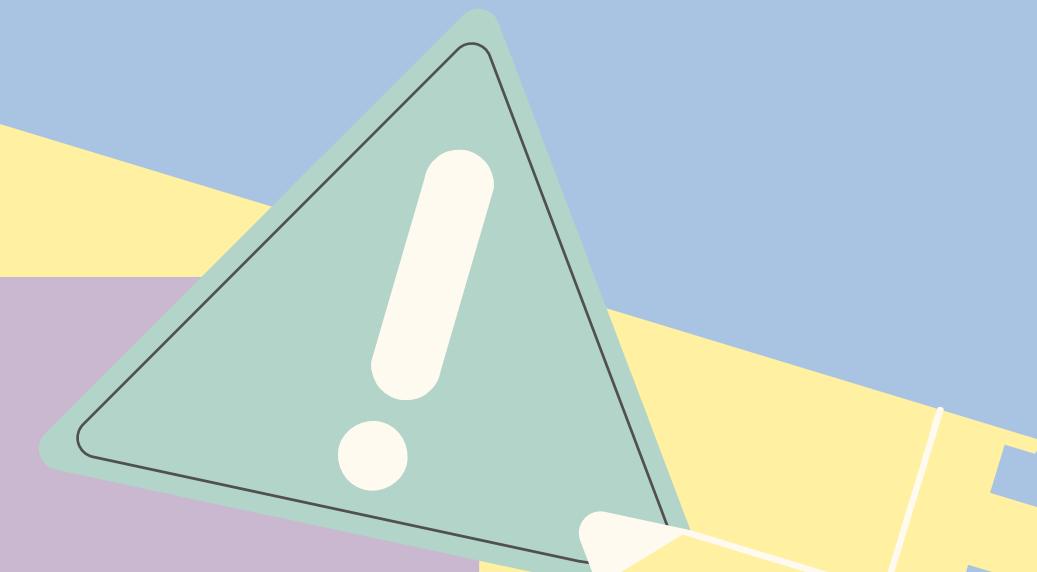




MUSIC APPLICATION



BY
NAMAN SHAH
DEEP SANCHANIYA
SAKSHI BASANTANI



WE ARE BUILDING A HYBRID MUSIC
APPLICATION. WHERE USER CAN
LISTEN MUSIC ADVERTISEMENT FREE
AND CAN ENJOY THEIR MUSIC
WITHOUT ANY DISTURBANCE.
THIS APPLICATION HAS ALL BASIC
FEATURES NEEDED IN A MUSIC
APPLICATION

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COMPANY PROFILE



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TO WHOMSOEVER IT MAY CONCERN

SUBJECT : COMPLETION OF SOFTWARE DEVELOPMENT PROJECT

This is to certify that Mr.Naman Shah , Mr.Deep Sanchaniya and Ms Sakshi Basantani are students of FCAIT(BCA Programme),GLS University , Ahmedabad being mentored by us .

They have successfully completed their second phase of Software Development Project (SDP) titled as "MUSIC APPLICATION" . In the second phase of SDP they have accomplished the following tasks under our guidance

System design
System coding
System testing

During this phase we found them sincere , hardworking and dedicated in achieving the milestones

We wish them success in their future endeavours.

From Arham Technosoft Pvt Ltd
Sanket Brahmbhatt
COO



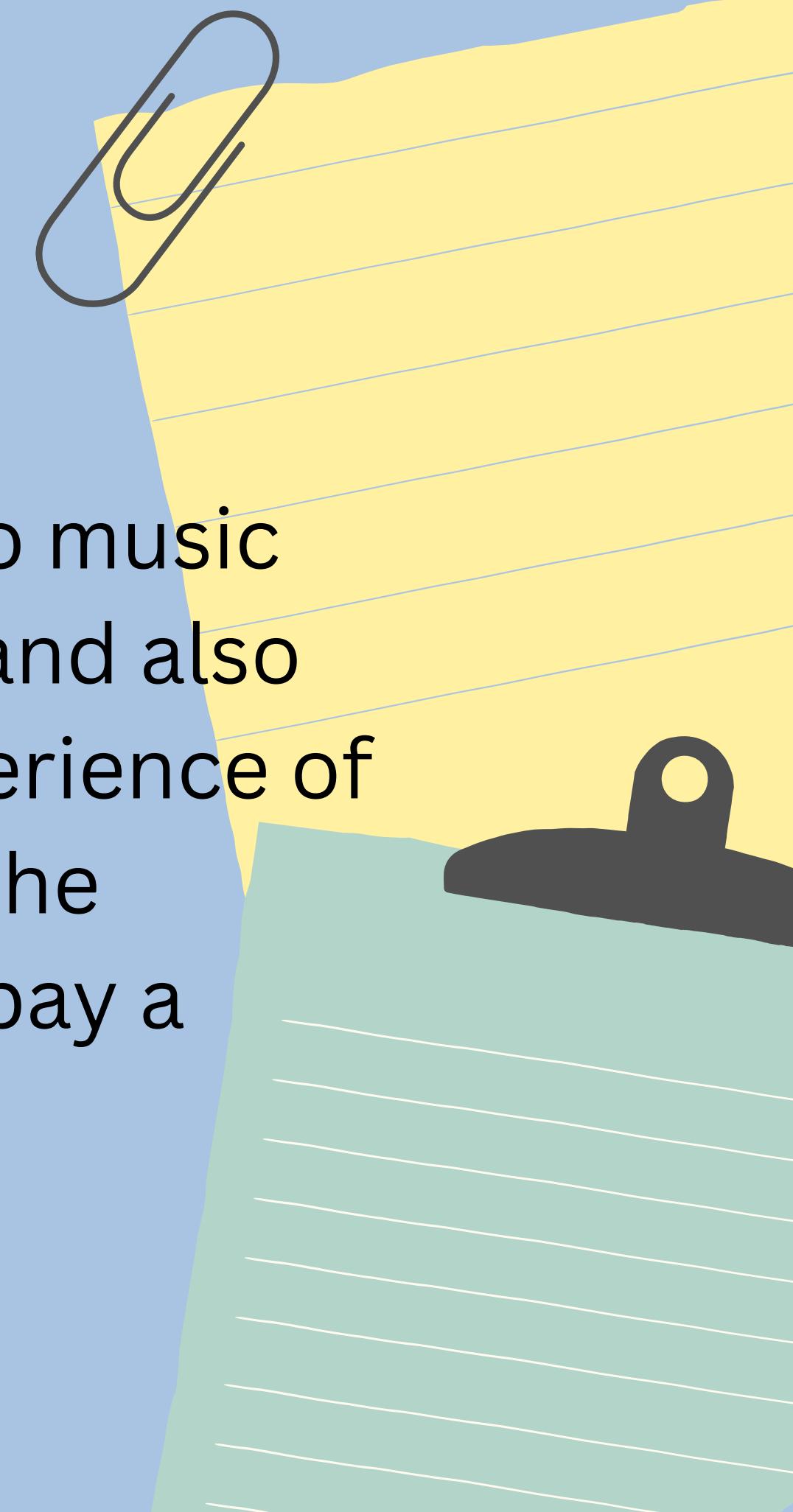
PROJECT PROFILE

SYSTEM REQUIREMENT

FRONT END	IONIC FRAMEWORK,ANGULAR, JAVASCRIPT, HTML, CSS
BACK END	FIREBASE

EXISTING SYSTEM

Currently we face problems while listening to music because of advertisements after every song and also advertisement banners on the screen. The experience of enjoying music is disturbed because of the advertisement and to avoid it we need to pay a subscription.



PROPOSED SYSTEM

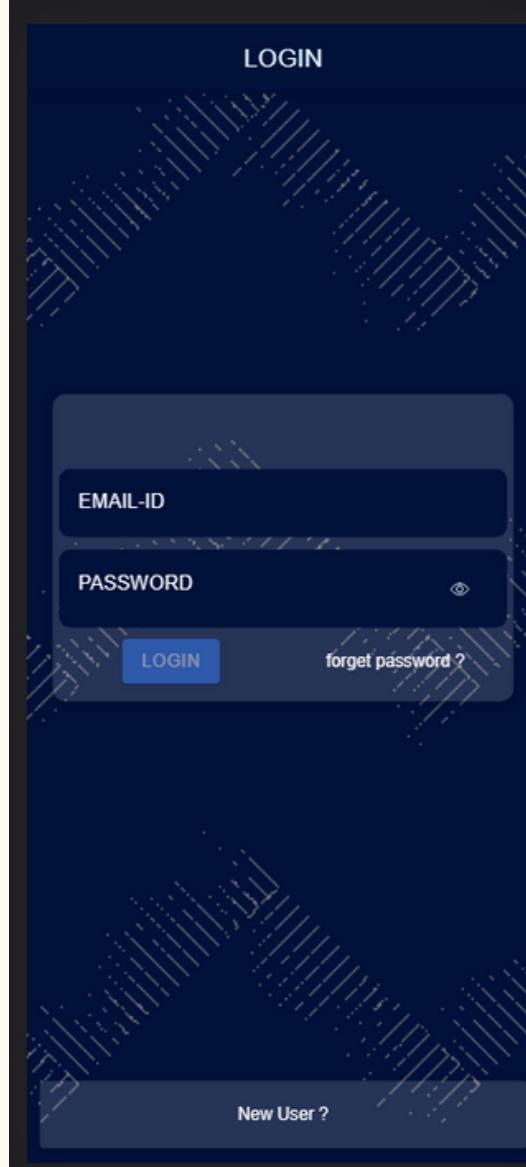
This project will be a Music Streaming Application. Using Ionic Framework for building Hybrid mobile applications . Firebase for making Application Programming Interface (API) and data storage.



SCREEN LAYOUTS

LOGIN AND REGISTRATION SCREEN

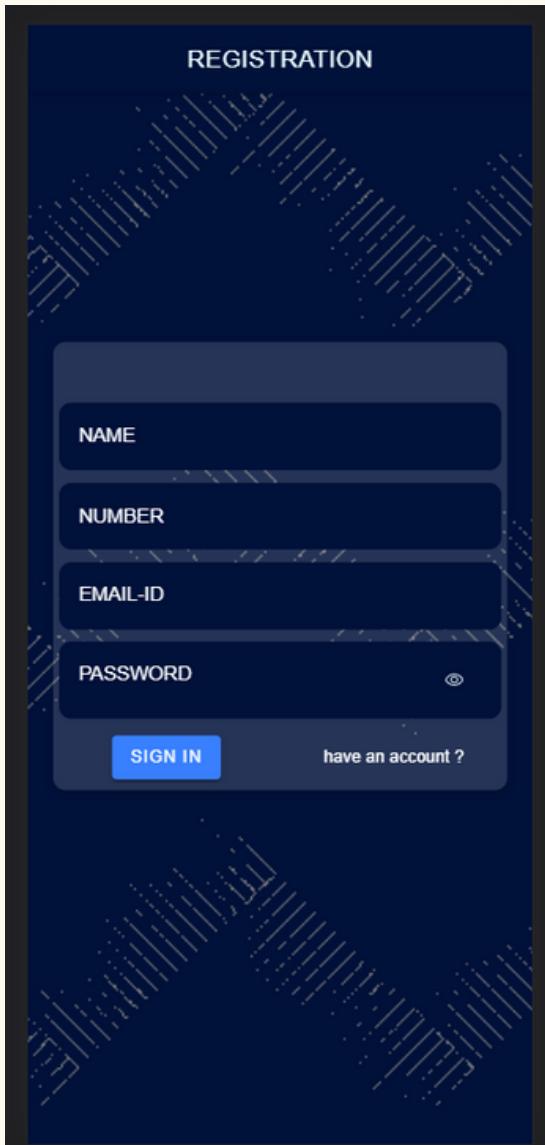
LOGIN
PAGE



The login page will be shown to the user when they install the application or they clear the app data from their phones.

LOGIN AND REGISTRATION SCREEN

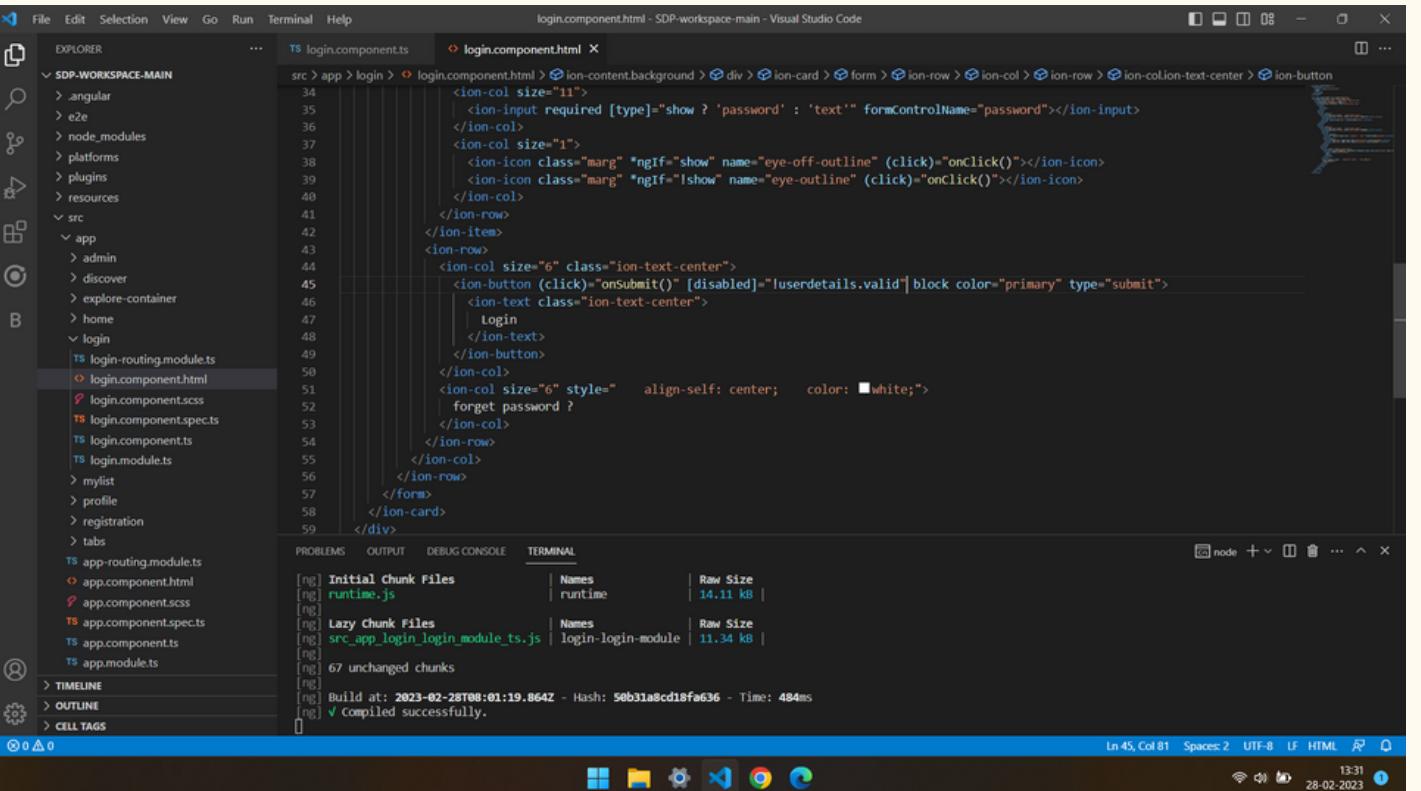
REGISTRATION
PAGE



The Registration page will only be shown when user clicks on the "new User ?" button on Login page .

LOGIN AND REGISTRATION SCREEN

This code shows that the submit button of form will be disabled Untill the form is filled with valid information .

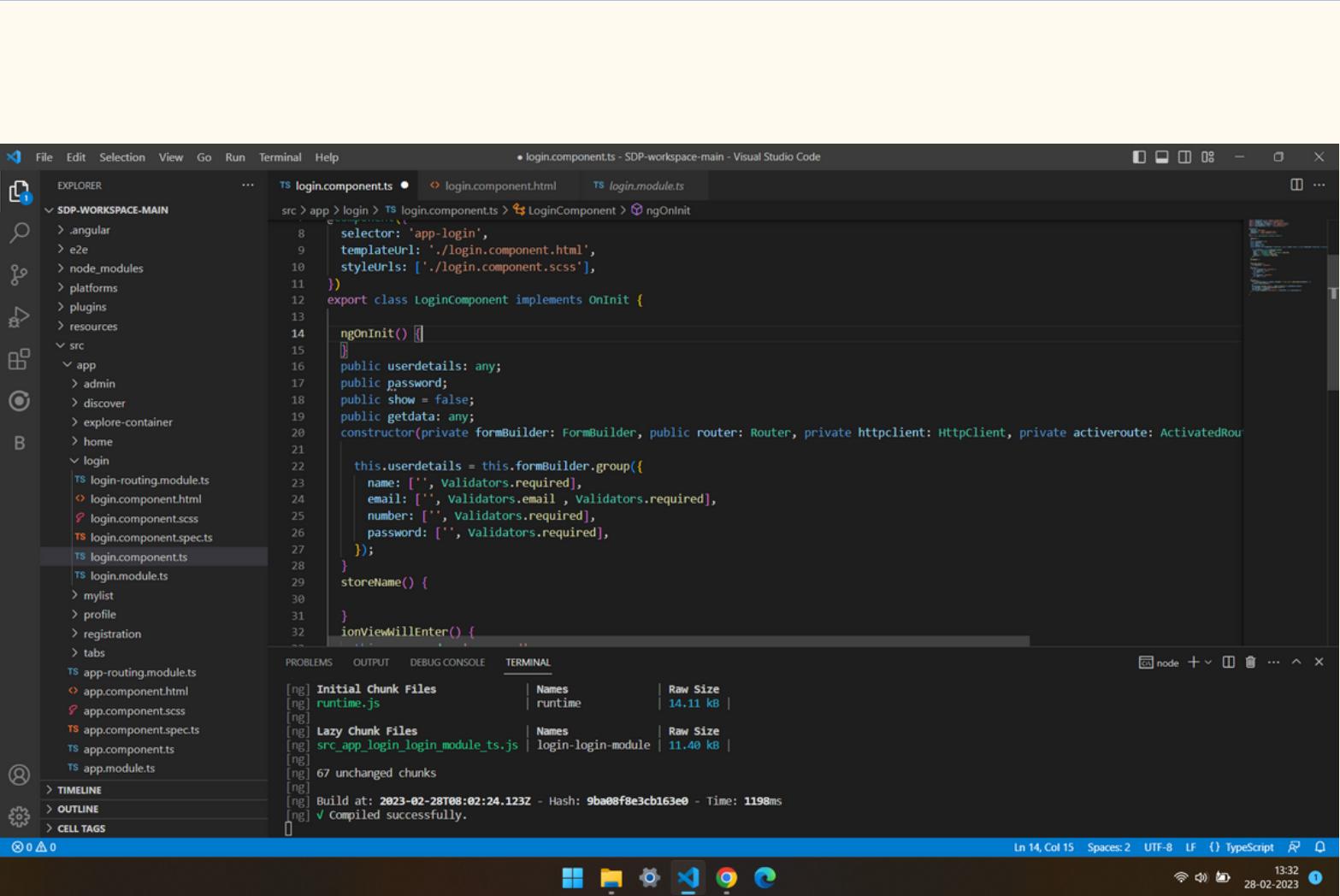


The screenshot shows the Visual Studio Code interface with the 'login.component.html' file open in the editor. The file contains the HTML code for a login screen using Ionic components. A specific line of code is highlighted:

```
45 <ion-button (click)="onSubmit()" [disabled]="!userdetails.valid" block color="primary" type="submit">
```

This line demonstrates the use of Angular's two-way data binding (ngModel) and the 'disabled' attribute to disable the submit button until the user has entered valid data.

LOGIN AND REGISTRATION SCREEN

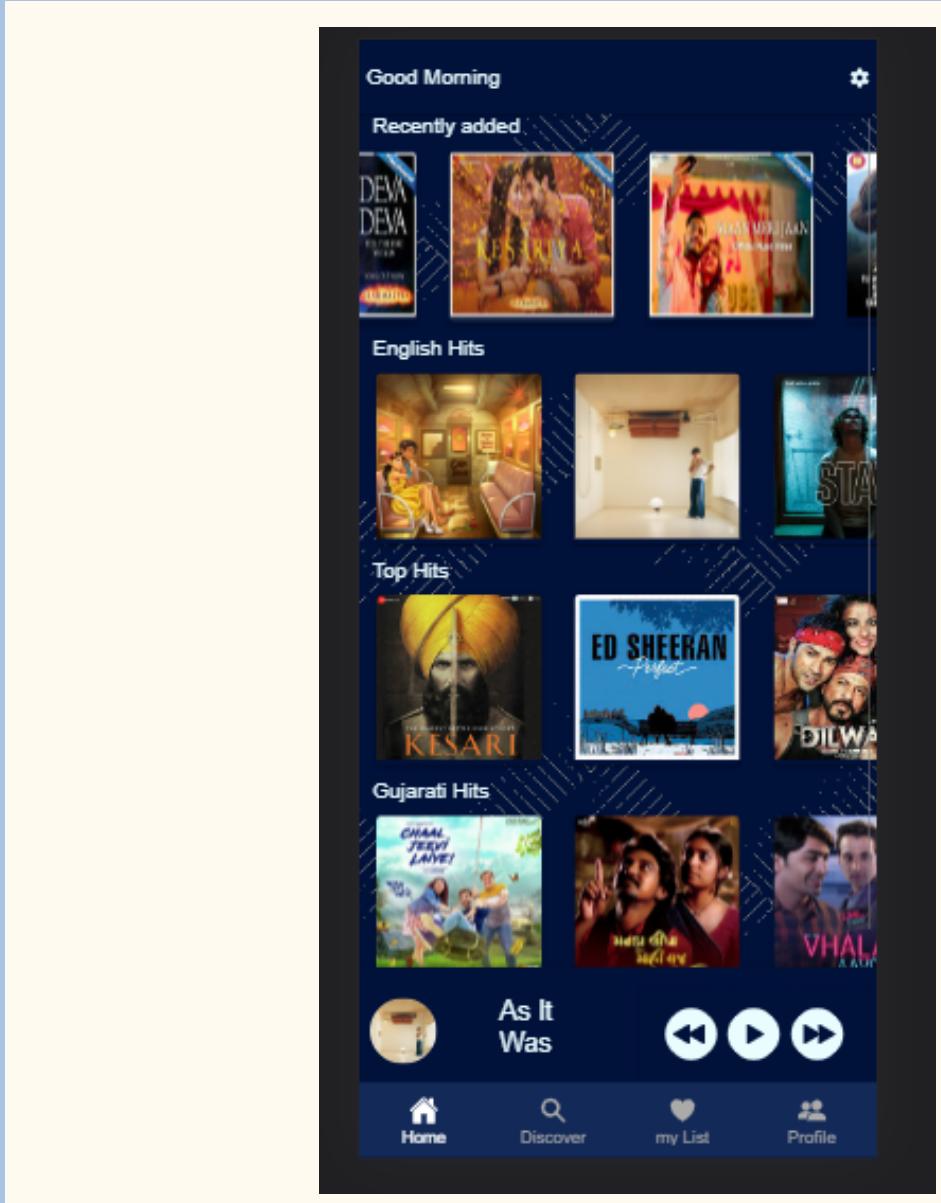


The screenshot shows the Visual Studio Code interface with the following details:

- File Path:** SDP-WORKSPACE-MAIN / app / login / login.component.ts
- Code Editor Content:** The code is for a LoginComponent. It includes an ngOnInit() method that initializes userdetails, password, show, and getdata. It also contains a FormBuilder group for name, email, number, and password fields. The storeName() and ionViewWillEnter() methods are also present.
- Terminal Output:** Shows build statistics:
 - Initial Chunk Files: runtime.js (14.11 kB)
 - Lazy Chunk Files: src_app_login_module_ts.js (11.40 kB)
 - 67 unchanged chunks
 - Build at: 2023-02-28T08:02:24.123Z - Hash: 9ba00f8e3cb163e0 - Time: 1198ms
 - Compiled successfully.
- Status Bar:** In 14, Col 15, Spaces: 2, UTF-8, LF, TypeScript, 13:32, 28-02-2023.

This code shows the form validation.

HOME SCREEN

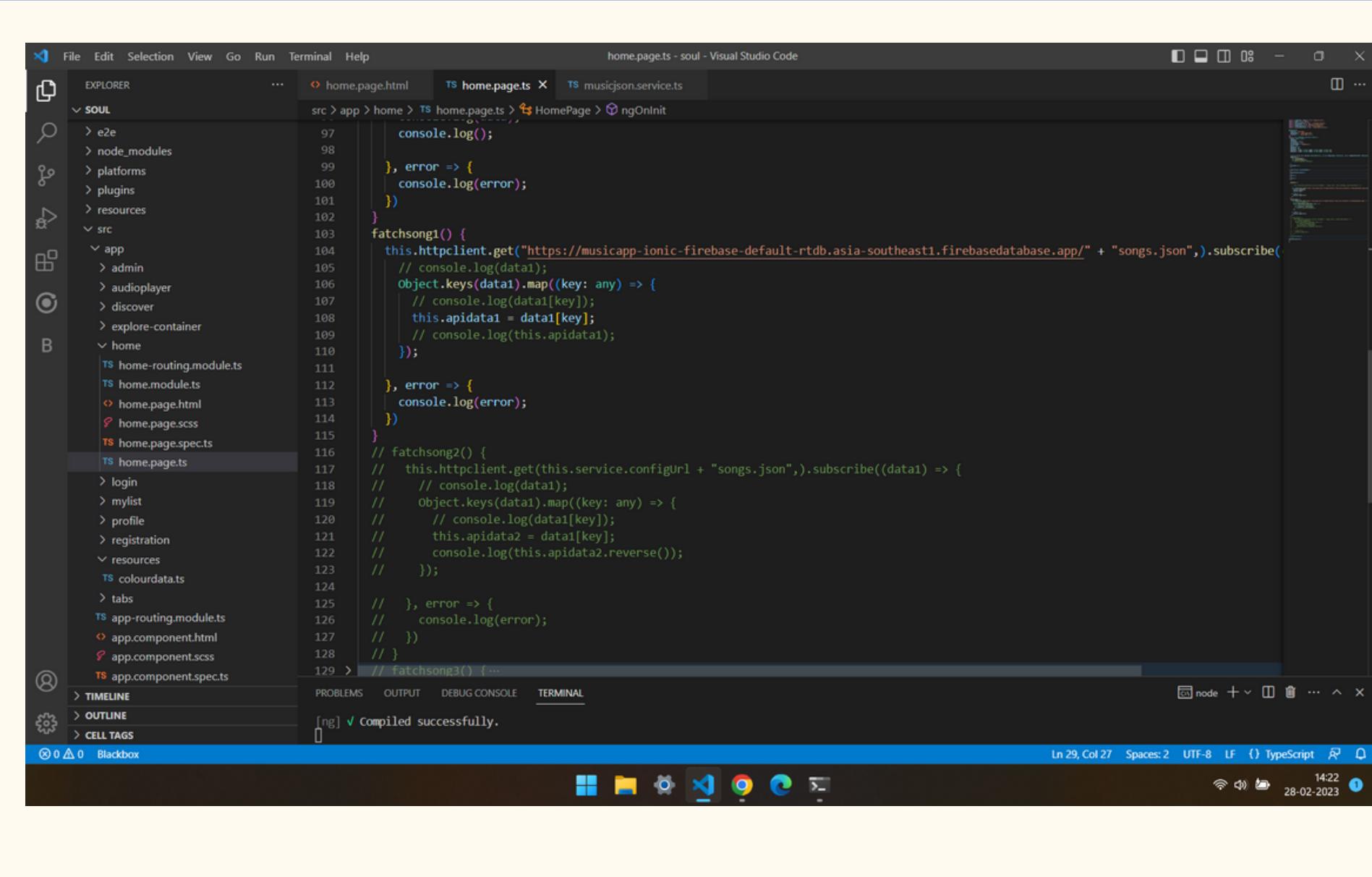


These are list of songs available.

The audio controller is made using howler.js library

HOME SCREEN

Logic of how the list of songs is called



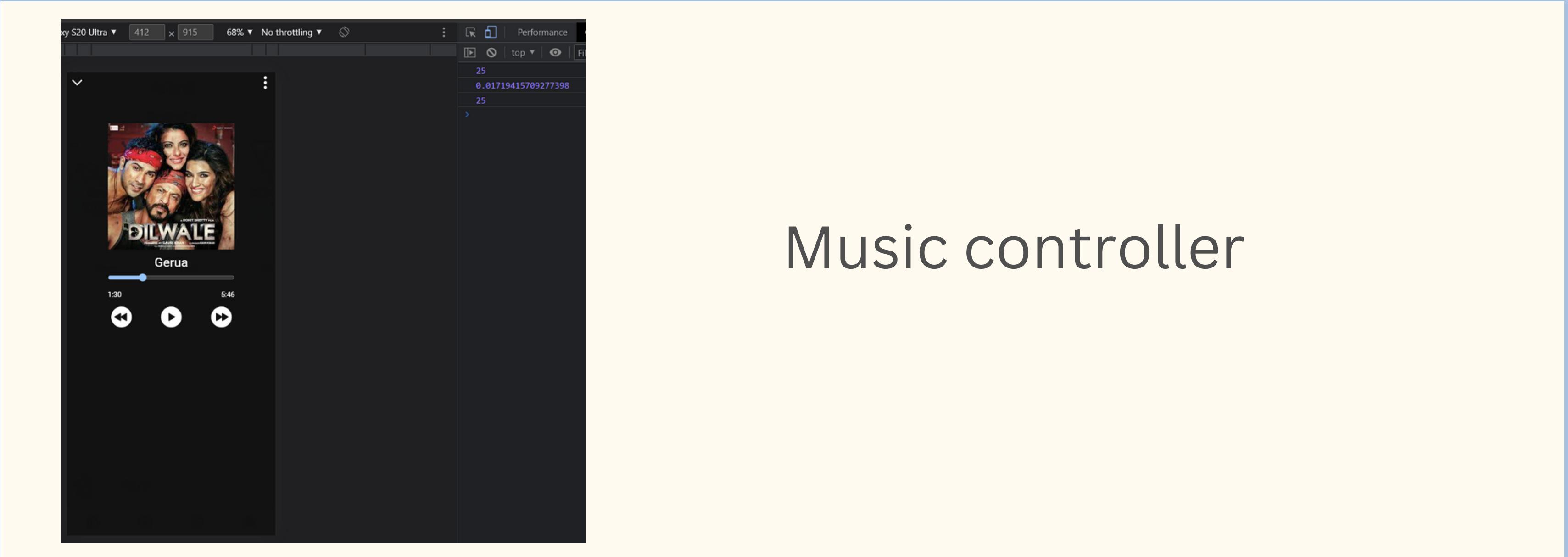
The screenshot shows a Visual Studio Code interface with the following details:

- File Explorer:** Shows the project structure under the "SOUL" folder, including "src" and "app" directories.
- Editor:** Displays the file "home.page.ts" which contains TypeScript code for fetching songs from a Firebase database.

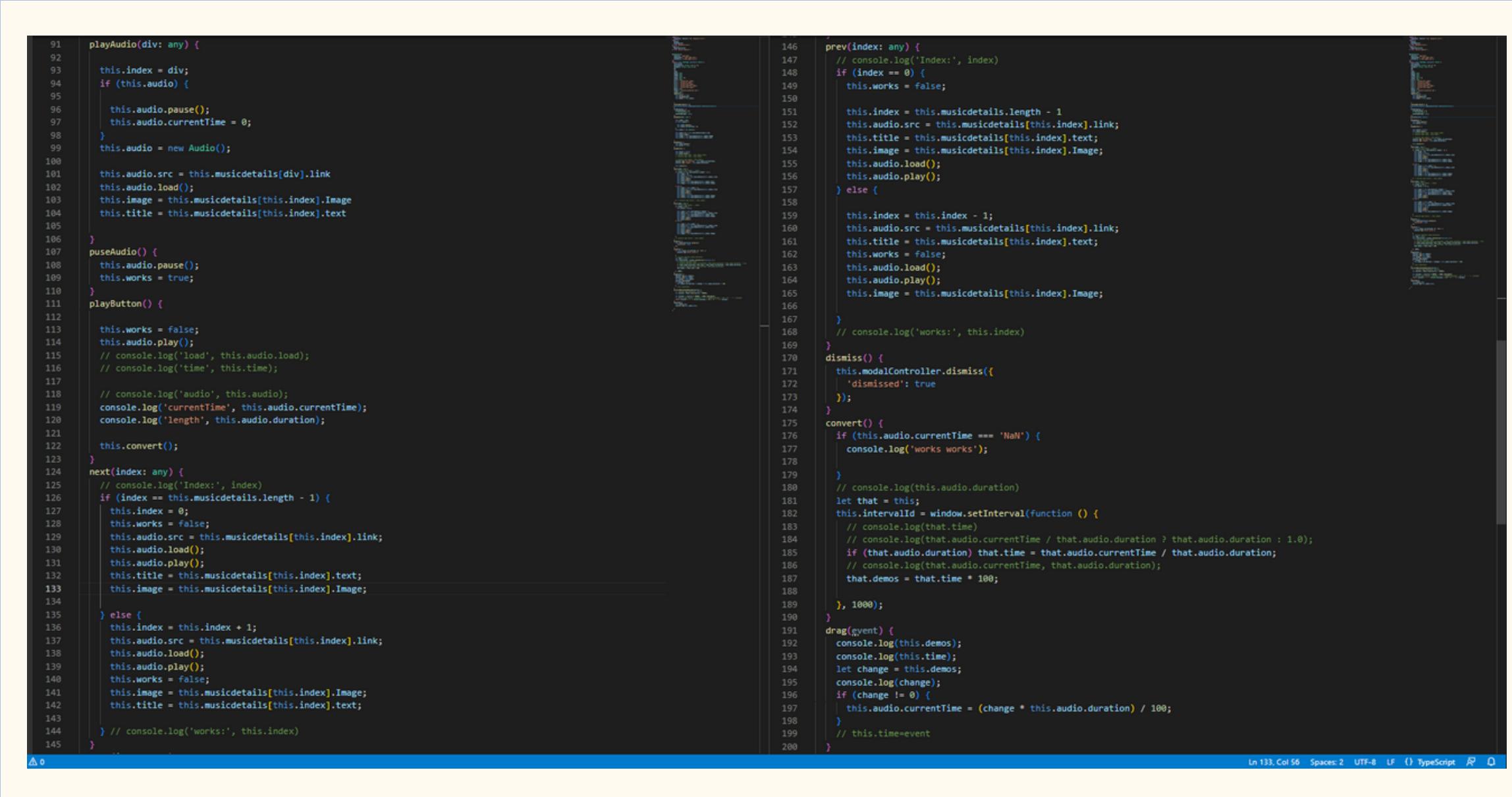
```
home.page.ts - soul - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER ... home.page.html TS home.page.ts musicjson.service.ts
src > app > home > TS home.page.ts > HomePage > ngOnInit
    console.log();
}, error => {
    console.log(error);
})
fetchsong1() {
    this.httpClient.get("https://musicapp-ionic-firebase-default.firebaseio.com/songs.json").subscribe(
        // console.log(data);
        Object.keys(data).map((key: any) => {
            // console.log(data[key]);
            this.apidata1 = data[key];
            // console.log(this.apidata1);
        });
    ), error => {
        console.log(error);
    })
// fetchsong2() {
//     this.httpClient.get(this.service.configUrl + "songs.json").subscribe((data1) => {
//         // console.log(data1);
//         Object.keys(data1).map((key: any) => {
//             // console.log(data1[key]);
//             this.apidata2 = data1[key];
//             console.log(this.apidata2.reverse());
//         });
//     }, error => {
//         // console.log(error);
//     })
// }
// fetchsong3() { ... }
```

- Terminal:** Shows the message "[ng] Compiled successfully."
- Bottom Status Bar:** Shows the current line (Ln 29, Col 27), spaces (Spaces: 2), encoding (UTF-8), line separator (LF), file type (TypeScript), and date/time (14:22, 28-02-2023).

HOME SCREEN



HOME SCREEN

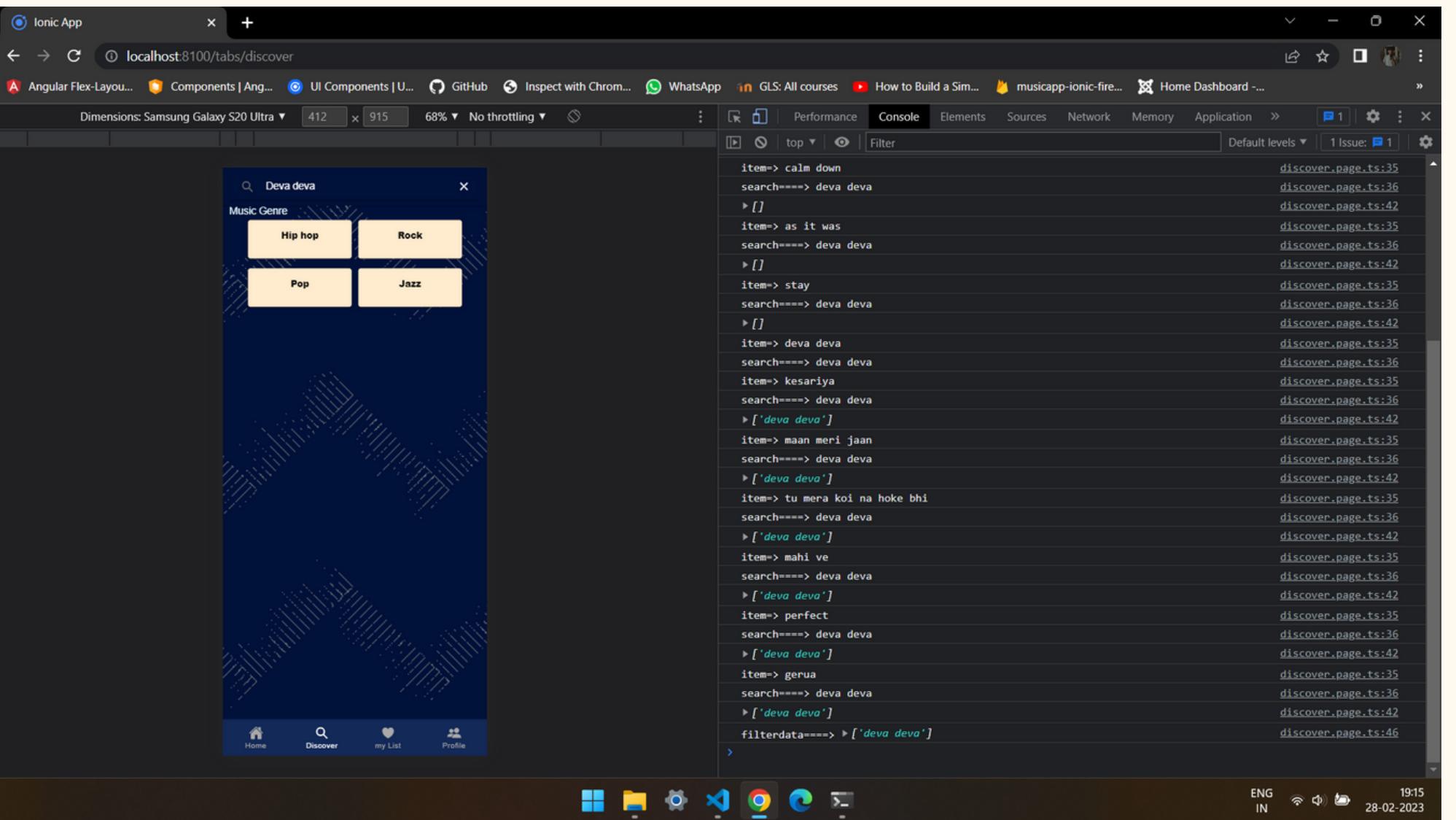


```
91  playAudio(div: any) {
92    this.index = div;
93    if (this.audio) {
94
95      this.audio.pause();
96      this.audio.currentTime = 0;
97    }
98    this.audio = new Audio();
99
100   this.audio.src = this.musicdetails[div].link;
101   this.audio.load();
102   this.image = this.musicdetails[this.index].Image;
103   this.title = this.musicdetails[this.index].text;
104
105  }
106  pauseAudio() {
107    this.audio.pause();
108    this.works = true;
109  }
110  playButton() {
111
112    this.works = false;
113    this.audio.play();
114    // console.log('load', this.audio.load);
115    // console.log('time', this.time);
116
117    // console.log('audio', this.audio);
118    console.log('currentTime', this.audio.currentTime);
119    console.log('length', this.audio.duration);
120
121    this.convert();
122  }
123
124  next(index: any) {
125    // console.log('Index:', index)
126    if (index == this.musicdetails.length - 1) {
127      this.index = 0;
128      this.works = false;
129      this.audio.src = this.musicdetails[this.index].link;
130      this.audio.load();
131      this.audio.play();
132      this.title = this.musicdetails[this.index].text;
133      this.image = this.musicdetails[this.index].Image;
134
135    } else {
136      this.index = this.index + 1;
137      this.audio.src = this.musicdetails[this.index].link;
138      this.audio.load();
139      this.audio.play();
140      this.works = false;
141      this.image = this.musicdetails[this.index].Image;
142      this.title = this.musicdetails[this.index].text;
143
144    } // console.log('works:', this.index)
145  }
146
147  prev(index: any) {
148    // console.log('Index:', index)
149    if (index == 0) {
150      this.works = false;
151
152      this.index = this.musicdetails.length - 1;
153      this.audio.src = this.musicdetails[this.index].link;
154      this.title = this.musicdetails[this.index].text;
155      this.image = this.musicdetails[this.index].Image;
156      this.audio.load();
157      this.audio.play();
158
159    } else {
160
161      this.index = this.index - 1;
162      this.audio.src = this.musicdetails[this.index].link;
163      this.title = this.musicdetails[this.index].text;
164      this.works = false;
165      this.audio.load();
166      this.audio.play();
167      this.image = this.musicdetails[this.index].Image;
168
169    }
170    // console.log('works:', this.index)
171  }
172  dismiss() {
173    this.modalController.dismiss({
174      'dismissed': true
175    });
176  }
177  convert() {
178    if (this.audio.currentTime === 'NaN') {
179      console.log('works works');
180
181    }
182    let that = this;
183    this.intervalId = window.setInterval(function () {
184      // console.log(that.time)
185      // console.log(that.audio.currentTime / that.audio.duration ? that.audio.duration : 1.0);
186      if (that.audio.duration) that.time = that.audio.currentTime / that.audio.duration;
187      // console.log(that.audio.currentTime, that.audio.duration);
188      that.demos = that.time * 100;
189
190    }, 1000);
191  }
192  drag(event) {
193    console.log(this.demos);
194    console.log(this.time);
195    let change = this.demos;
196    console.log(change);
197    if (change != 0) {
198      this.audio.currentTime = (change * this.audio.duration) / 100;
199    }
200  }

```

Logic for Music controller

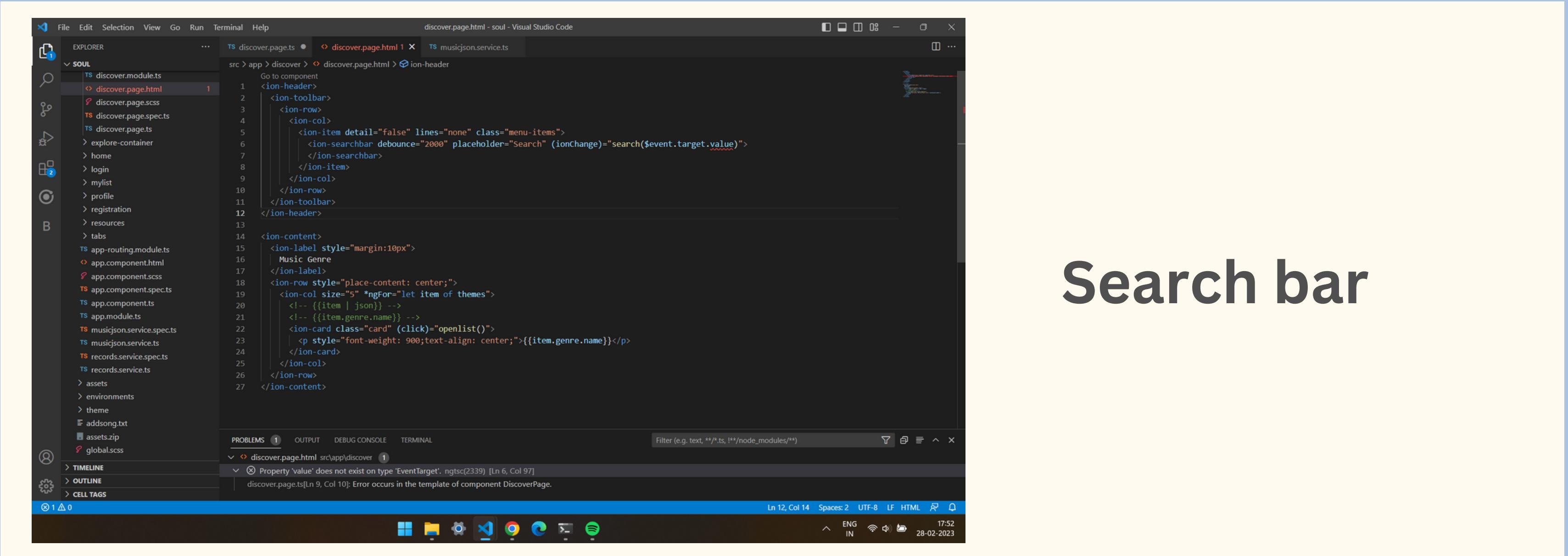
DISCOVER SCREEN



The screenshot shows the Ionic App developer tools interface. The main window displays the 'Discover' screen of a mobile application. The screen has a dark blue background with a large search bar at the top containing the text 'Deva deva'. Below the search bar is a grid of four buttons labeled 'Hip hop', 'Rock', 'Pop', and 'Jazz'. At the bottom of the screen are four navigation icons: Home, Discover, my List, and Profile. The right side of the interface features the Chrome DevTools console tab, which is currently active. The console output shows numerous log statements from the 'discover.page.ts' file, indicating the search process for the term 'deva deva'. The log entries include: 'item-> calm down', 'search====> deva deva', 'search====> deva deva', 'item-> as it was', 'search====> deva deva', 'item-> stay', 'search====> deva deva', 'item-> kesariya', 'search====> deva deva', 'item-> maan meri jaan', 'search====> deva deva', 'item-> tu mera koi na hoke bhi', 'search====> deva deva', 'item-> mahi ve', 'search====> deva deva', 'item-> perfect', 'search====> deva deva', 'item-> gerua', 'search====> deva deva', and 'filterdata====> [<'deva deva'>]'. The console also shows several 'discover.page.ts:35' and 'discover.page.ts:42' references. The bottom of the screen shows the Windows taskbar with various pinned icons and the system tray.

Search bar

DISCOVER SCREEN

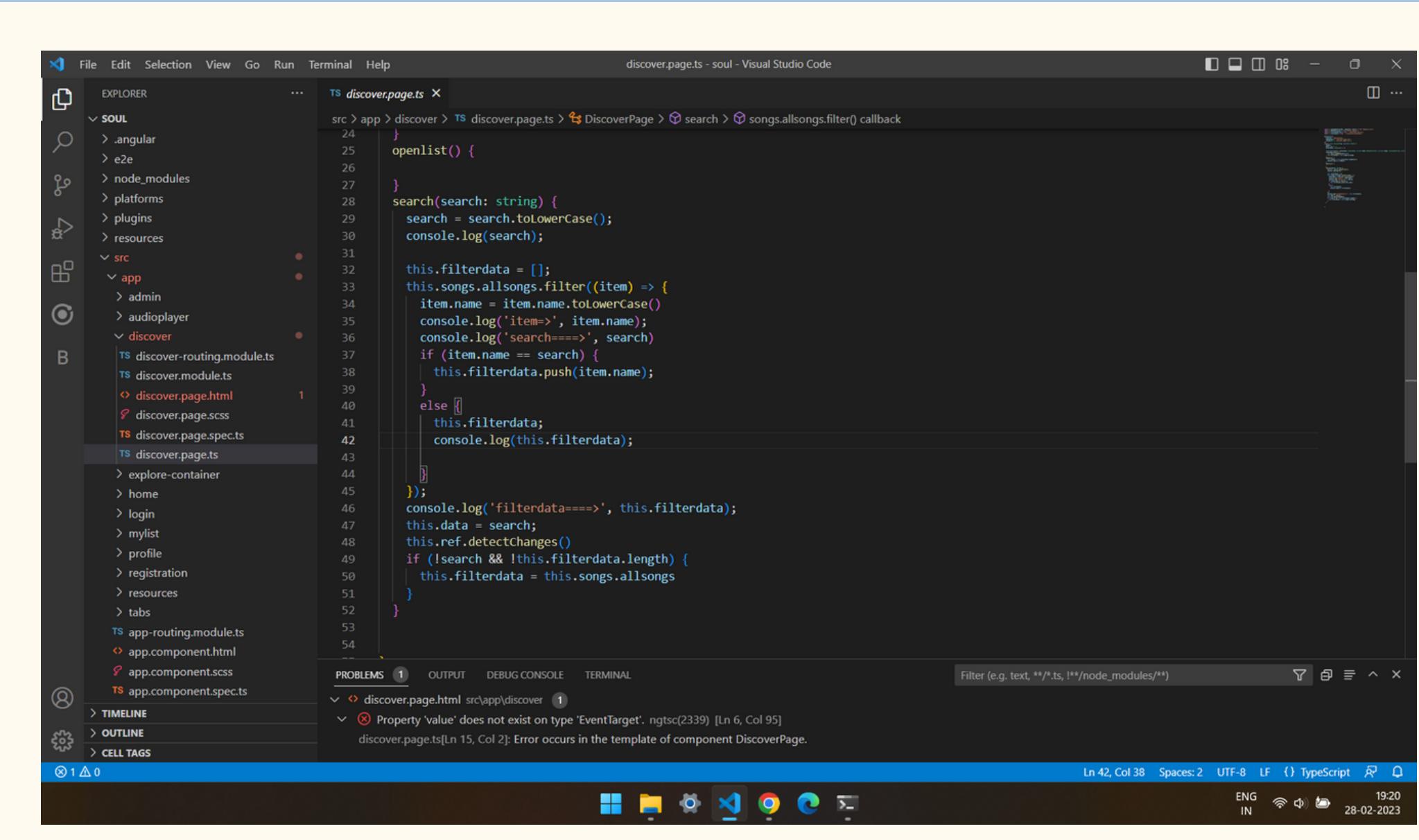


A screenshot of Visual Studio Code displaying the code for the Discover screen. The code is written in TypeScript and HTML, utilizing Ionic framework components like `<ion-header>`, `<ion-toolbar>`, and `<ion-content>`. The `discover.page.html` file contains the main structure, including a search bar and a grid of cards representing music genres. The `discover.page.ts` file contains the logic for handling the search input and navigating between themes. The `discover.page.scss` file provides the CSS styling for the components. The `discover.module.ts` file is the module definition for the Discover component.

The Visual Studio Code interface shows the Explorer sidebar on the left, the code editor in the center, and the Problems panel at the bottom, which displays a TypeScript error related to the search input type.

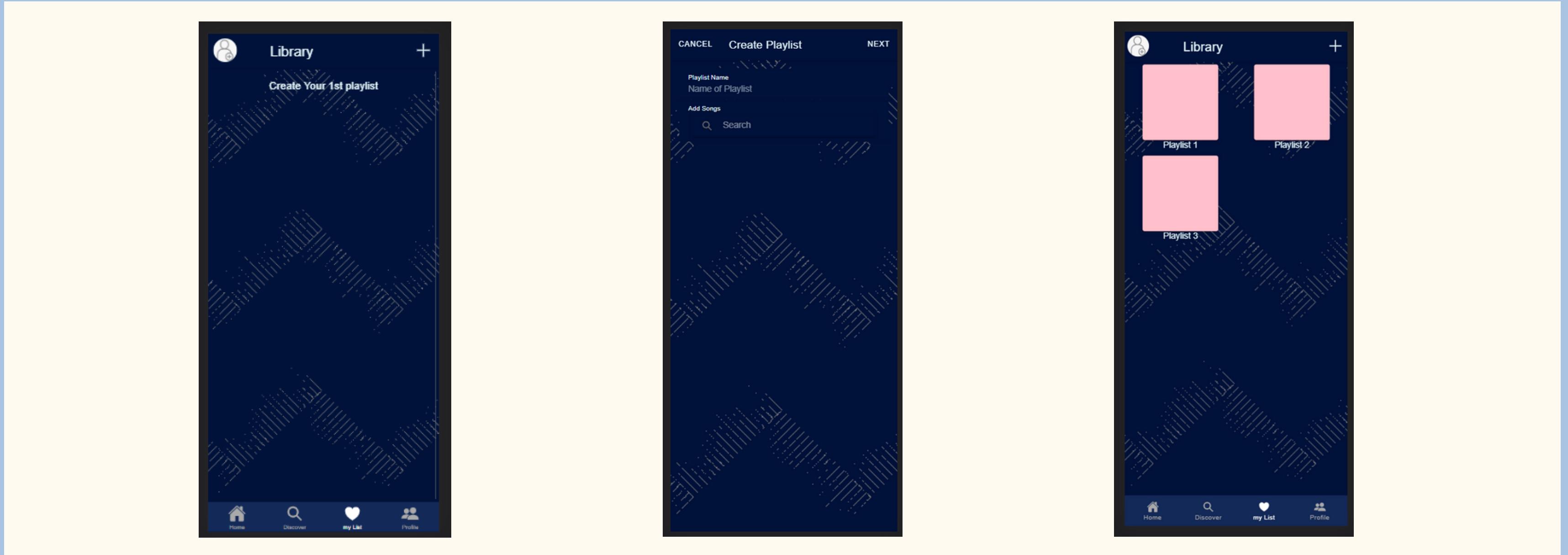
Search bar

DISCOVER SCREEN



Search bar logic

MY-LIST SCREEN



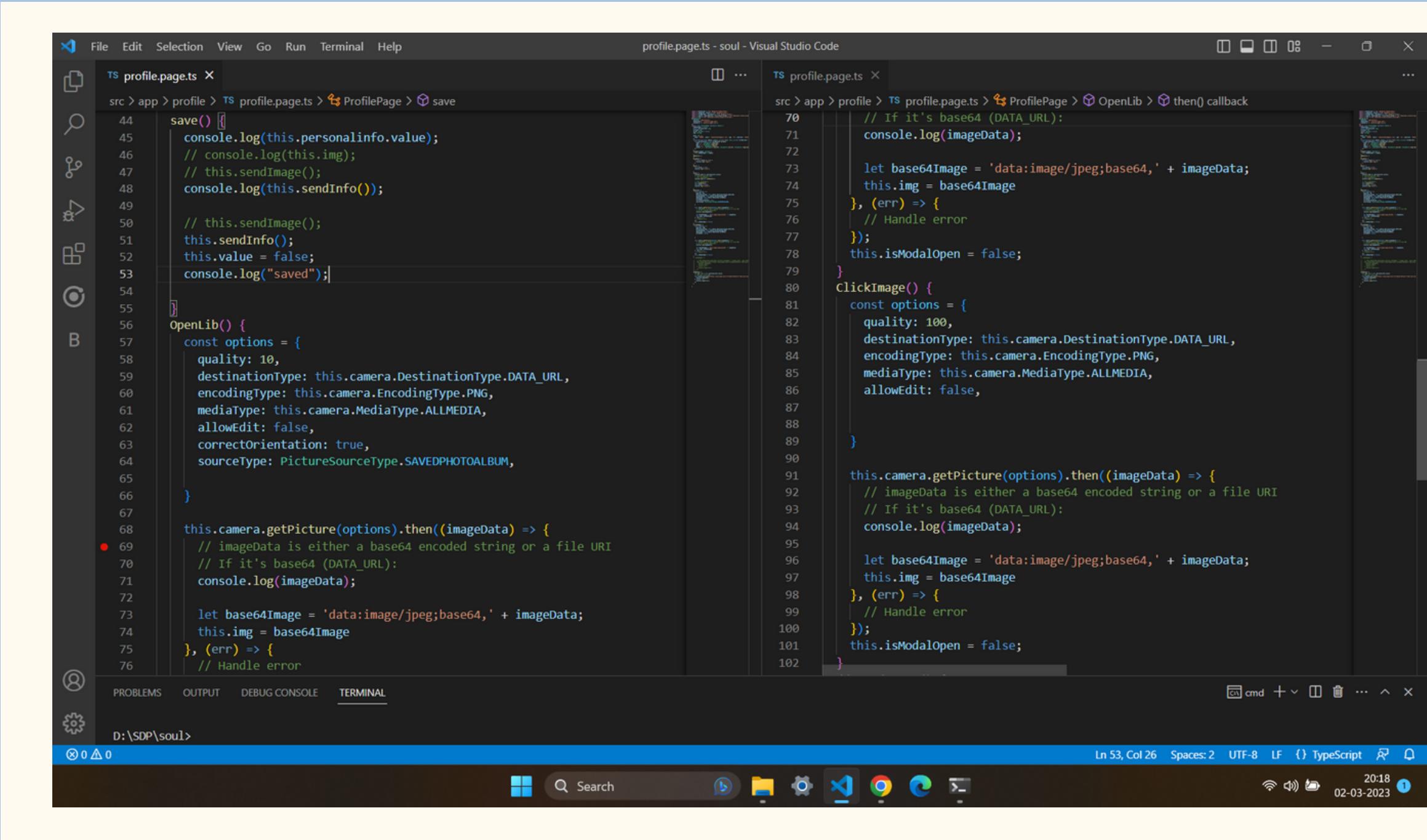
This page is used by user to create their playlist

PROFILE SCREEN



Add profile picture to your profile

PROFILE SCREEN



The screenshot shows two tabs in Visual Studio Code: `profile.page.ts` and `profile.page.ts`. Both tabs are titled "soul".

profile.page.ts:

```
src > app > profile > ts profile.page.ts > ProfilePage > save
44  save() {
45    console.log(this.personalinfo.value);
46    // console.log(this.img);
47    // this.sendImage();
48    console.log(this.sendInfo());
49
50    // this.sendImage();
51    this.sendInfo();
52    this.value = false;
53    console.log("saved");
54
55  }
56  OpenLib() {
57    const options = {
58      quality: 10,
59      destinationType: this.camera.DestinationType.DATA_URL,
60      encodingType: this.camera.EncodingType.PNG,
61      mediaType: this.camera.MediaType.ALLMEDIA,
62      allowEdit: false,
63      correctOrientation: true,
64      sourceType: PictureSourceType.SAVEDPHOTOALBUM,
65    }
66
67    this.camera.getPicture(options).then((imageData) => {
68      // imageData is either a base64 encoded string or a file URI
69      // If it's base64 (DATA_URL):
70      console.log(imageData);
71
72      let base64Image = 'data:image/jpeg;base64,' + imageData;
73      this.img = base64Image
74    }, (err) => {
75      // Handle error
76    }
77  }
78
79  clickImage() {
80    const options = {
81      quality: 100,
82      destinationType: this.camera.DestinationType.DATA_URL,
83      encodingType: this.camera.EncodingType.PNG,
84      mediaType: this.camera.MediaType.ALLMEDIA,
85      allowEdit: false,
86
87    }
88
89    this.camera.getPicture(options).then((imageData) => {
90      // imageData is either a base64 encoded string or a file URI
91      // If it's base64 (DATA_URL):
92      console.log(imageData);
93
94      let base64Image = 'data:image/jpeg;base64,' + imageData;
95      this.img = base64Image
96    }, (err) => {
97      // Handle error
98    });
99    this.isModalOpen = false;
100  }
101}
```

profile.page.ts:

```
src > app > profile > ts profile.page.ts > ProfilePage > OpenLib > then() callback
70  // If it's base64 (DATA_URL):
71  console.log(imageData);
72
73  let base64Image = 'data:image/jpeg;base64,' + imageData;
74  this.img = base64Image
75  (err) => {
76    // Handle error
77  };
78  this.isModalOpen = false;
79
80  clickImage() {
81    const options = {
82      quality: 100,
83      destinationType: this.camera.DestinationType.DATA_URL,
84      encodingType: this.camera.EncodingType.PNG,
85      mediaType: this.camera.MediaType.ALLMEDIA,
86      allowEdit: false,
87
88    }
89
90    this.camera.getPicture(options).then((imageData) => {
91      // imageData is either a base64 encoded string or a file URI
92      // If it's base64 (DATA_URL):
93      console.log(imageData);
94
95      let base64Image = 'data:image/jpeg;base64,' + imageData;
96      this.img = base64Image
97    }, (err) => {
98      // Handle error
99    });
100    this.isModalOpen = false;
101  }
```

Logic to add image

PROFILE SCREEN

Name
naman

Age
20

EMAIL-ID
naman@yopmail.com

MOBILE-NUMBER
18003844

Name
naman

Age
20

EMAIL-ID
naman@yopmail.com

MOBILE-NUMBER
18003844

Home Discover my List Profile

Failed to load resource: the server responded with a status of 401 (Unauthorized)

```

1VB0Rw0KGgoAAAANSUhEUgAAD7AAABEACAIAAAAVL1iAAAAAXXSR0IAr+s4c6QAAAnZQk1UCAgIz+FP4AAAIABJREFUEJzUvdvSLDwOJEqh6eMTjyixpmaqvmz2f3/v2ip6srLQo+3fa
A4Vkr1AdLM/NT34CHEw4wEcVXA7v1/1/3lprxFxe46/+iH+v1+z2oL97Brb7/d7b19cLr338e8g/H29Xu32bdtiraDe+/v7+/IBY8zg//b2FsKEPl3379+/jx+XywXUeakL/2+3+9ogdil3MWV1AX3kt1CVBx
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/w/AwuSn1U0Diu/Pr62vYHw1gv+v5Q1NrQ/I/syD7te1j4H2nb91+kxDFXWn1G7j0CIccb/fx2F15D6fNu2Yz3t7dxgDNOw12v1E/KDnm08YPmg5tUp+xQ/6KDUy6zaptnQbAg7i1g6e4Uv0d0h4xH0/ffu
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UwmkQXd+P48T+OFHQf12caNz1NEBrFeLwvD1vQ0093yt39FMWdrvhvWjzB6x1pcy6+3t2zWuAcnbo+b71zgRi+UNMzjmSzjXZkYQpdhxqkBBKNIk9wo4zweVCbmX+EN0d/ePbY/b5HSXj4Xf3x83G63u3p
7e2NroYTgx3Km0Keu130+/fv2J1BEW94JnCd48+DzvEmRzceuEUSG/34F7Y+v/v1JkKrFvZmcEr1aiwjsIT/rh9K0maf-mHu1+LPjv8METWXL/1N1MrAru99/R3Pxbg4jw8s4RcnJXMonuy/LoeOoF10n
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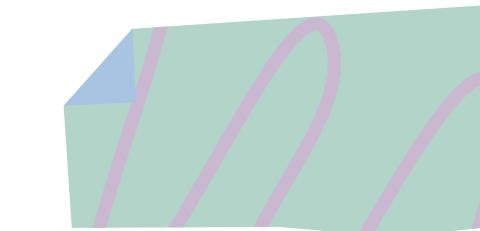
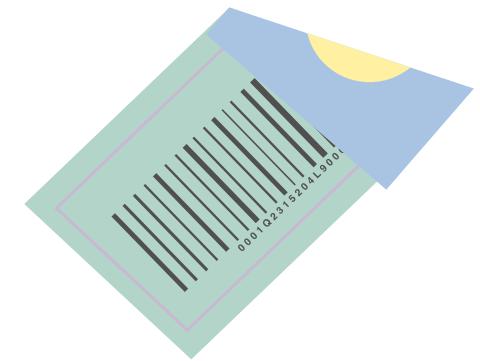
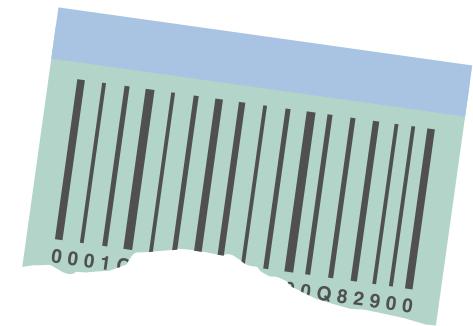
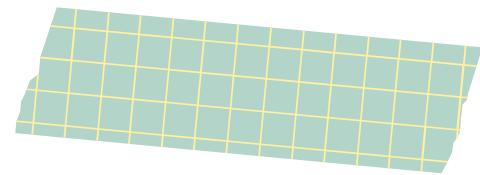
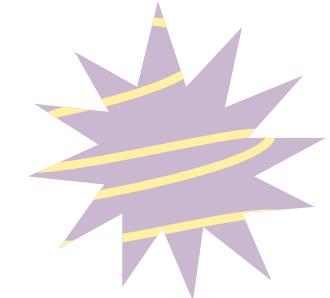
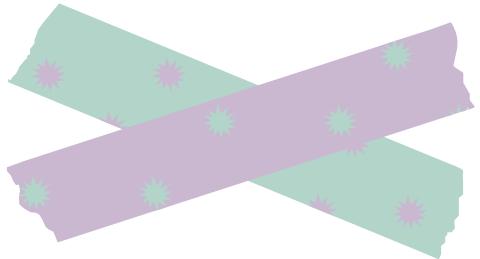
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CONCLUSION

OUR MAIN AIM IS TO PROVIDE USER EXPERIENCE WITH A PROPER USER-INTERFACE TO INTERACT WITH OUR MUSIC APPLICATION . THUS USERS CAN ENJOY THEIR OWN CHOICE OF MUSIC ANYTIME AND WITHOUT ANY ADVERTISEMENT. OUR INTERNAL GUIDE GARIMA MAM HELPED US A LOT IN IMPROVING THE QUALITY OF OUR PROJECT. AS WELL AS OUR EXTERNAL GUIDE MR. AAKASH VORA HELPED US A LOT IN GIVING SUGGESTIONS FOR BETTER FUNCTIONING OF OUR PROJECT.

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THANK YOU !



