

Willify Documentation

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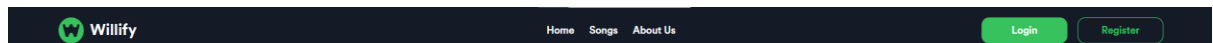
NIM: 2702250242

Class: BA02 (Even Semester 2023/2024)

This document is a documentation that explains each Willify page that I've implemented during production of the website. Before explanation of each page, I'd like to describe the general layout of the pages.

Every page categorized into 3 parts: header, main, and footer:

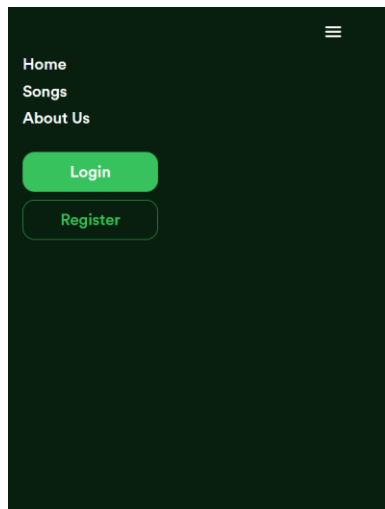
- **Header**



The header is a sticky navigation bar that is split into 3 sections: logo wrapper, page directory, and authentication buttons.



This is the mobile look for the header, there's a dropdown menu on the right side.



When users click the dropdown menu, user will be able to select the page that want to navigate to. They can return back to their page by clicking the dropdown menu icon again.

- **Main**

The main section is the central part of each page and is responsible for displaying the primary content. It is later divided into various subsections depending on the specific page functionality.

- **Footer**



The footer includes contact information, links to important site pages (like privacy policy, terms of service).



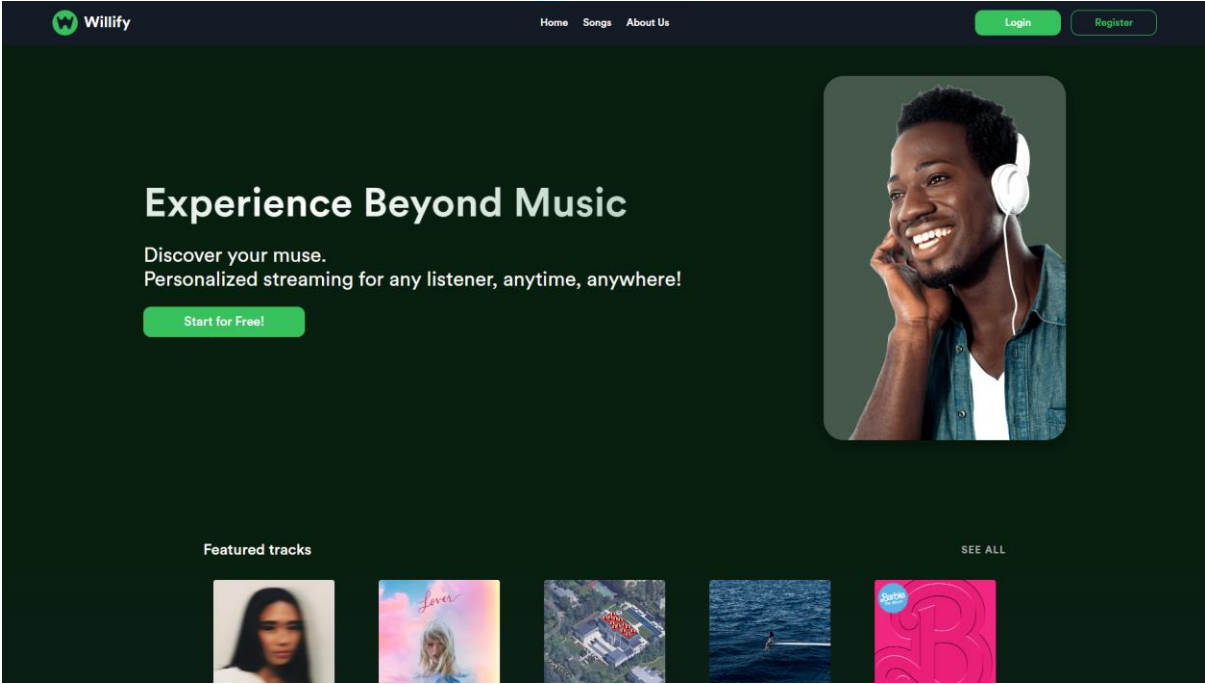
Here is the mobile/tablet version for the footer, not much of a change except for font sizes and padding for each wrapper.

This structured layout ensures that users have a consistent and intuitive experience across the Willify website.

Here are the five pages I’ve implemented to the site:

1. Home Page

Desktop Look



Featured tracks

[SEE ALL](#)



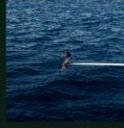
Ocean & Engines
NIKI



Cruel Summer
Taylor Swift



Not Like Us
Kendrick Lamar



Snooze
SZA



Dance the Night
Dua Lipa

Just the hits

[SEE ALL](#)



Armageddon
aespa



Magnetic
ILLIT



SPOT
ZICO, JENNIE

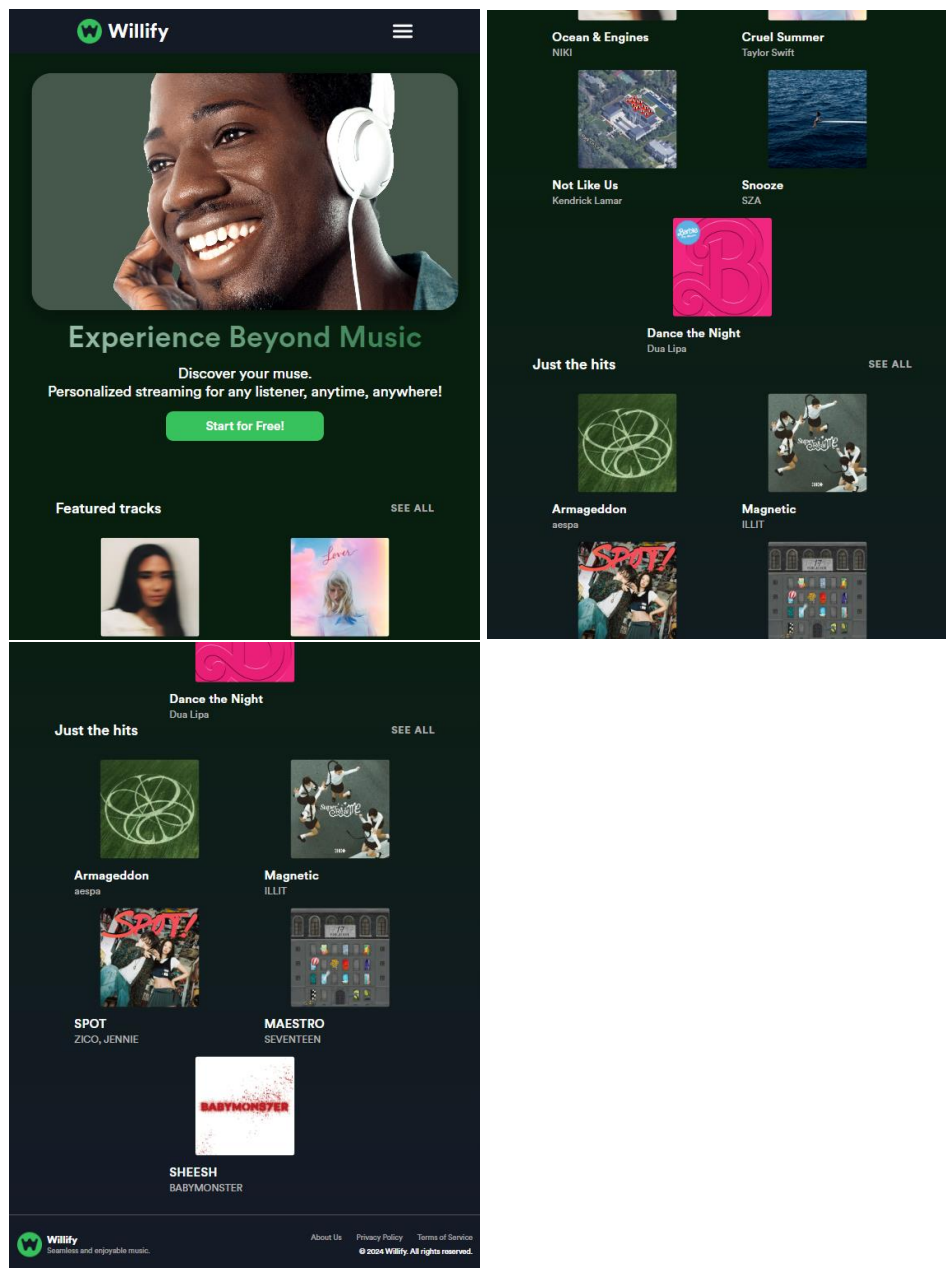


MAESTRO
SEVENTEEN

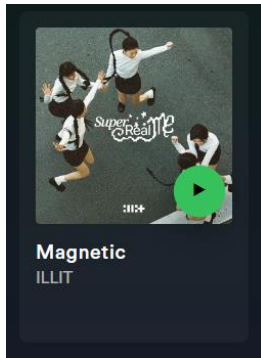


SHEESH
BABYMONSTER

Tablet/Mobile Look



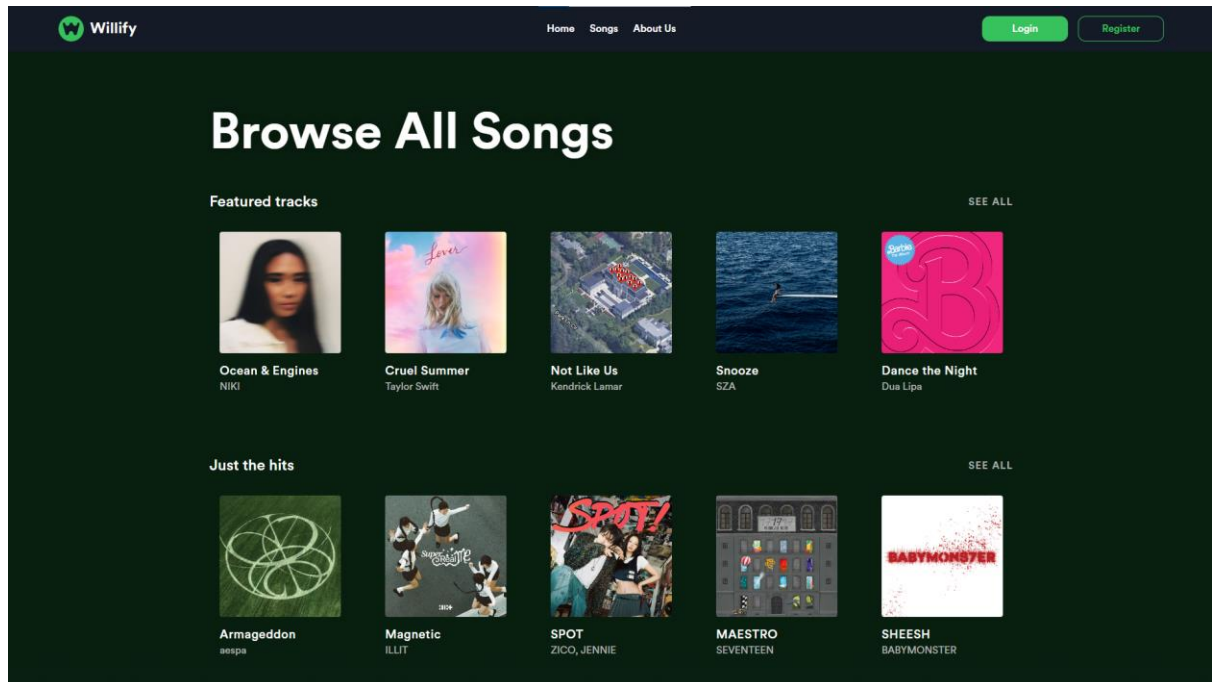
The Willify home page showcases a hero banner with a call-to-action button (“Start for Free!”), followed by sections for featured tracks and popular hits, each accompanied by album covers and artist information. There are also “see all” buttons that redirect the user to the songs page.

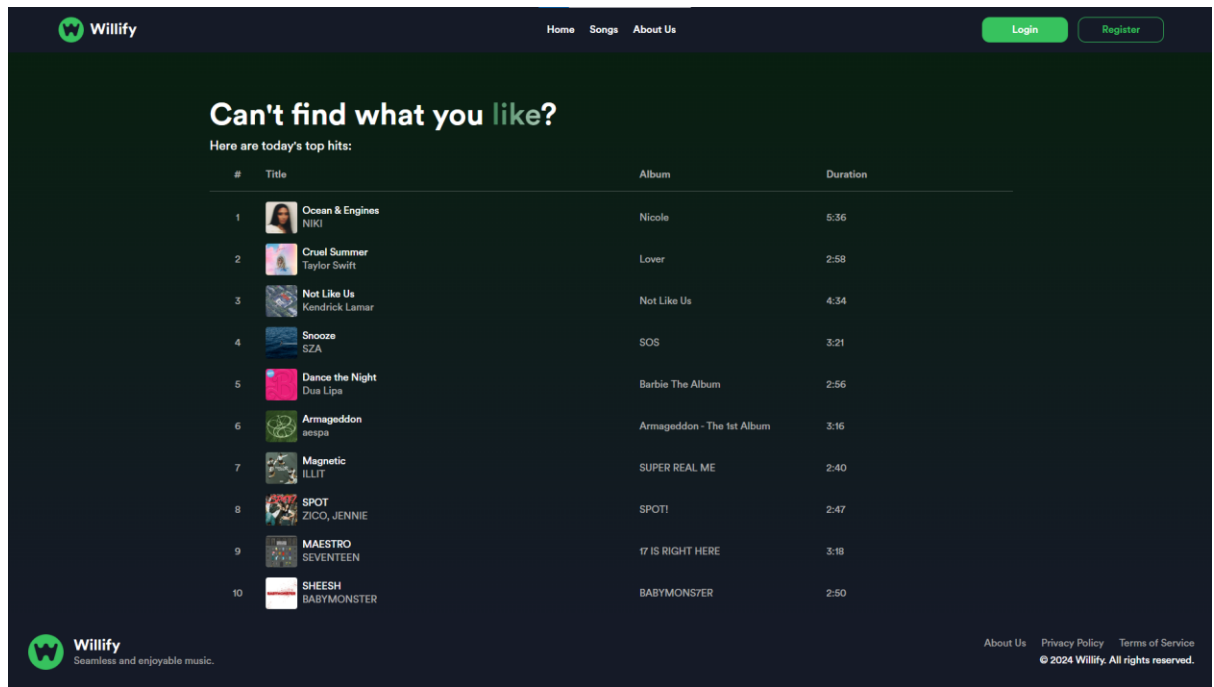


These song cards, if clicked, will redirect the user into the corresponding song details page.

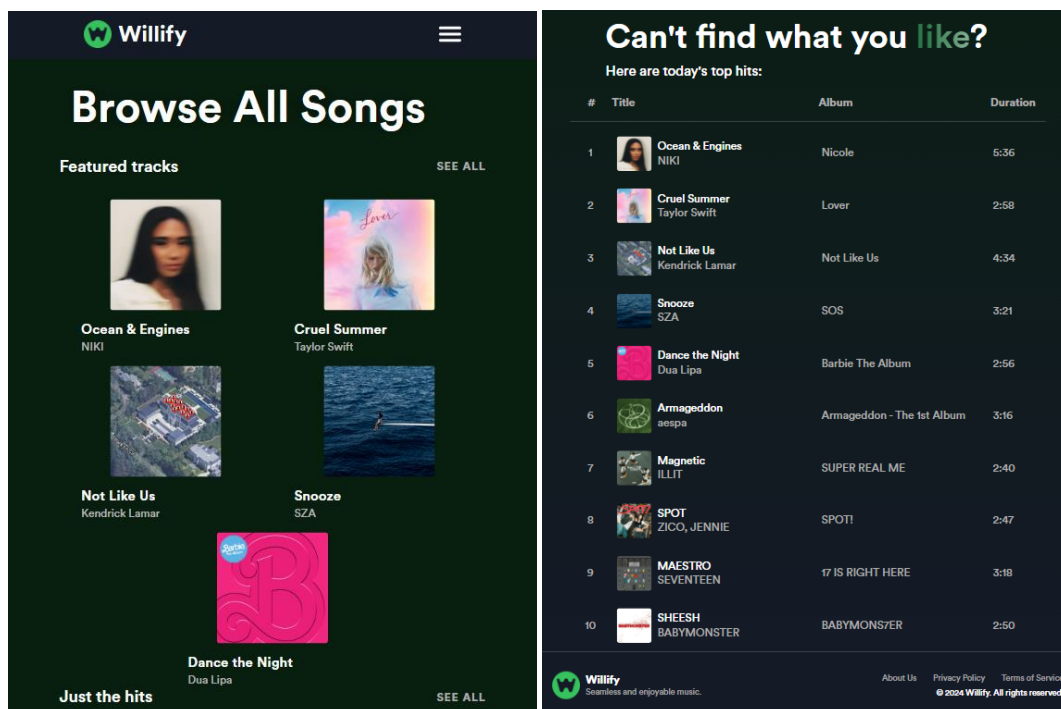
2. Songs Page

Desktop Look





Mobile/Tablet Look



The songs page showcases two chart sections that contains five song cards each. They are similar to the one back in the home page (if clicked, will redirect the user into the corresponding song details page). Below that, is a table section, created with div (not the table tag). The user will be able to click each row of song to navigate to the corresponding song details page. The table's layout is based on CSS Flexbox, so we can easily rearrange

for mobile/tablet media queries.

```
1  import { lyrics } from './lyrics.js'; // import lyrics database
2  const songs = [];
3
4  function Song(id, title, artist, album, duration) { // Constructor untuk membuat object Song
5      this.id = id;
6      this.title = title;
7      this.artist = artist;
8      this.album = album;
9      this.duration = duration;
10     this.albumCoverPath = `src/images/album-cover/${id}.jpg`;
11     this.lyrics = lyrics[id].lyrics;
12 }
13
14 function addSong(id, title, artist, album, duration) { // Menambahkan lagu ke dalam array songs
15     songs.push(new Song(id, title, artist, album, duration));
16 }
17
18 // Song database
19 addSong(0, 'Ocean & Engines', 'NIKI', 'Nicole', '5:36');
20 addSong(1, 'Cruel Summer', 'Taylor Swift', 'Lover', '2:58');
21 addSong(2, 'Not Like Us', 'Kendrick Lamar', 'Not Like Us', '4:34');
22 addSong(3, 'Snooze', 'SZA', 'SOS', '3:21');
23 addSong(4, 'Dance the Night', 'Dua Lipa', 'Barbie The Album', '2:56');
24 addSong(5, 'Armageddon', 'aespa', 'Armageddon - The 1st Album', '3:16');
25 addSong(6, 'Magnetic', 'ILLIT', 'SUPER REAL ME', '2:40');
26 addSong(7, 'SPOT', 'ZICO, JENNIE', 'SPOT!', '2:47');
27 addSong(8, 'MAESTRO', 'SEVENTEEN', '17 IS RIGHT HERE', '3:18');
28 addSong(9, 'SHEESH', 'BABYMONSTER', 'BABYMONSTER', '2:50');
29
30 export { songs }; // Export array songs
```

This code is found in *database.js*. Each song in the table is an object *Song*, each with 7 properties:

- id: unique song id
- title: song's title
- artist: song's artist name
- album: song's album name
- duration: song's duration
- albumCoverPath: song's album cover image directory
- lyrics: song's lyrics (which is imported from *lyrics.js*, more on this later)

```

1  import { songs } from '../database.js'; // Import array songs dari database.js
2
3  function generateTableRow(song) { // Func return baris tabel songs
4      return `
5          <div class="table-row" id="row-${song.id}">
6              <div class="cell" id="song-number-${song.id}">${song.id + 1}</div>
7              <div class="cell" id="song-title-${song.id}">
8                  <div class="song-info">
9                      
10                     <div class="text-info">
11                         <div class="title">${song.title}</div>
12                         <div class="artist">${song.artist}</div>
13                     </div>
14                 </div>
15             </div>
16             <div class="cell" id="song-album-${song.id}">${song.album}</div>
17             <div class="cell" id="song-duration-${song.id}">${song.duration}</div>
18         </div>
19     `;
20 }

```

```

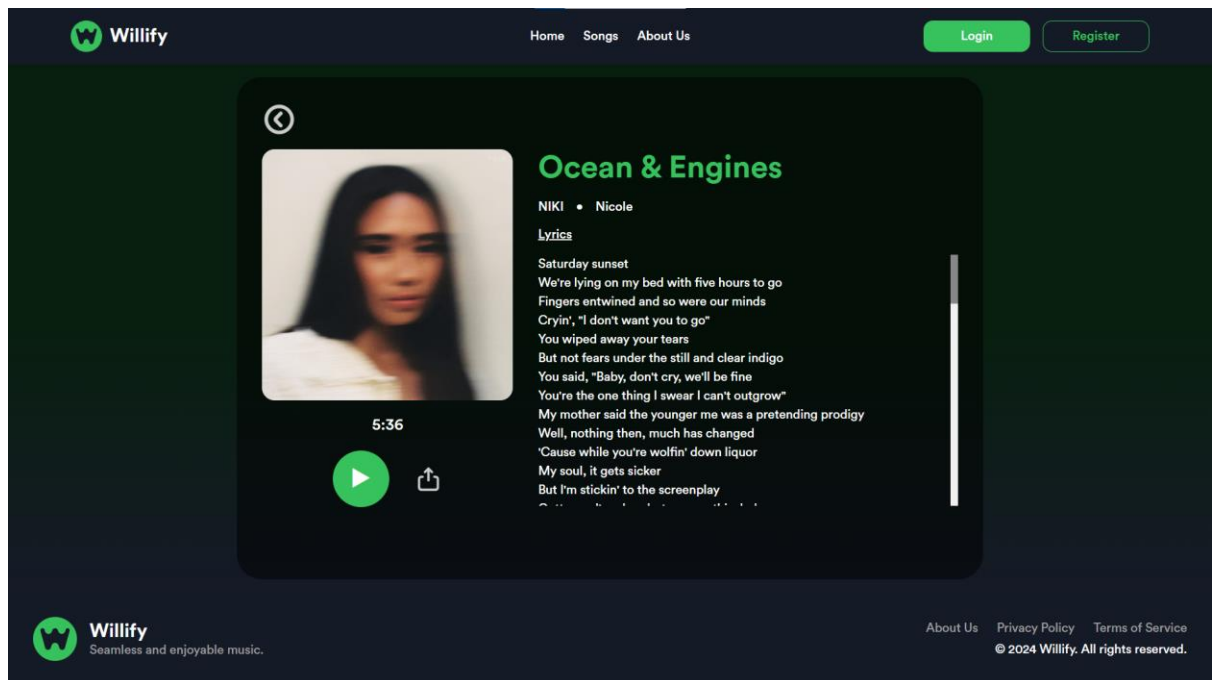
22  function populateTable() { // Menambahkan baris tabel ke dalam tableContainer
23      const tableContainer = document.querySelector('.table-container');
24
25      if (tableContainer) {
26          songs.forEach(song => {
27              tableContainer.innerHTML += generateTableRow(song);
28          });
29      }
30
31      const tableRows = document.querySelectorAll('.table-row');
32      if (tableRows) {
33          tableRows.forEach(row => {
34              const songNumberCell = row.querySelector(`#song-number-${row.id.split('-')[1]}`);
35              const originalContent = songNumberCell.textContent;
36
37              row.addEventListener('mouseover', () => {
38                  songNumberCell.textContent = "▶";
39              });
40
41              row.addEventListener('mouseout', () => {
42                  songNumberCell.textContent = originalContent;
43              });
44
45              row.addEventListener('click', () => {
46                  const songId = row.id.split('-')[1];
47                  window.location.href = `songDetail.html?id=${songId}`;
48              });
49          });
50      } else {
51          console.log('No table rows found!');
52      }
53  }
54
55  document.addEventListener('DOMContentLoaded', populateTable);

```

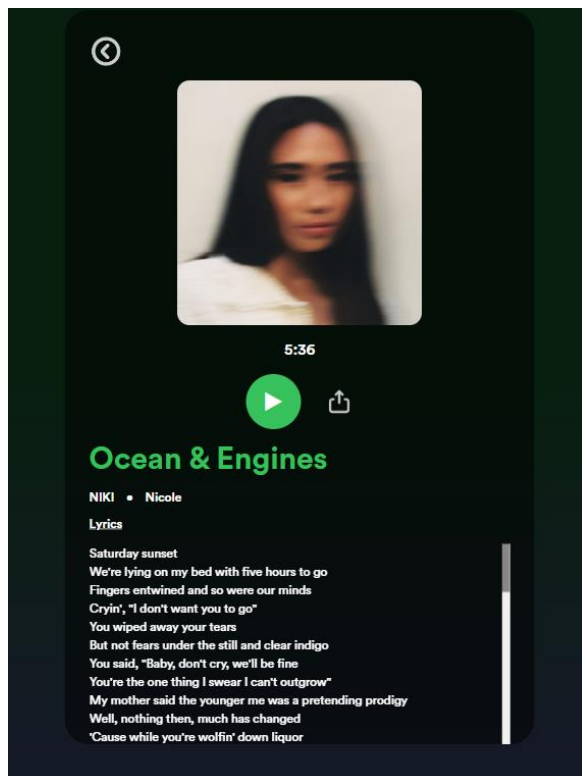
This code is found in *songs.js*. Each row in the table in the songs page is dynamically generated from the songs database.

3. Song Details Page

Desktop Look



Mobile/Tablet Look



The song details page showcases each song's general information, such as the song's title, artist, album name, and lyrics. The page also has a back button on top, a play button, and a share button. There is only single page of html for all the songs available (there are 10).

```

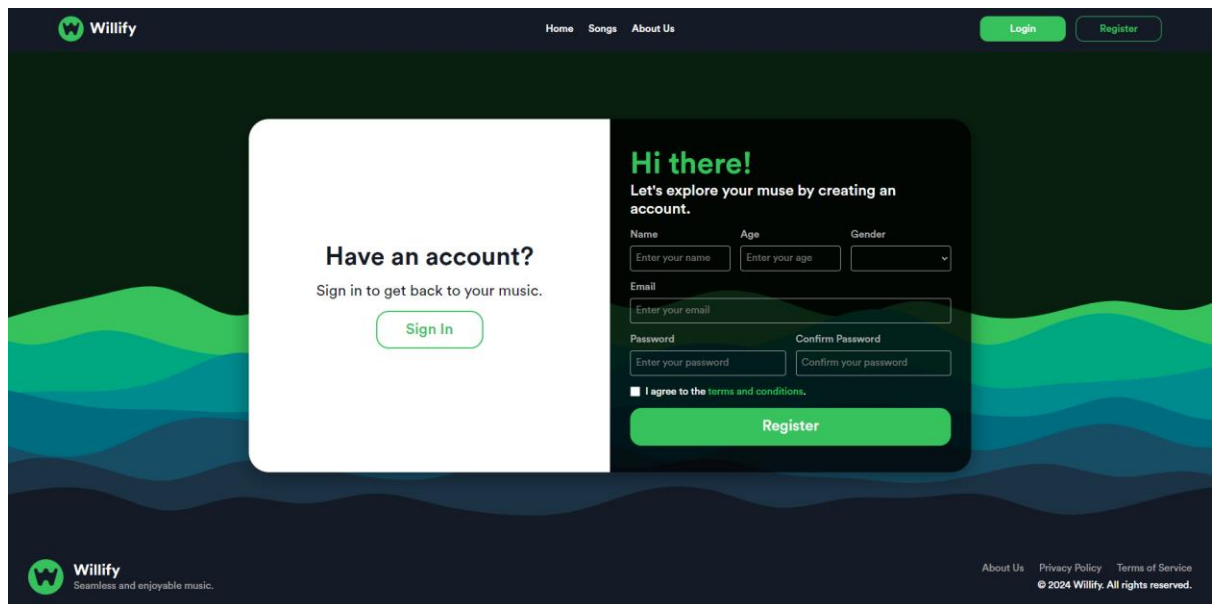
1 import { songs } from './database.js'; // Import array songs dari database
2
3 // Tombol balik ke page sebelumnya
4 const backButton = document.querySelector('.back-arrow-btn');
5 backButton.addEventListener('click', () => {
6   window.history.go(-1);
7 });
8
9 // Ambil query parameter id dari URL
10 const urlParams = new URLSearchParams(window.location.search);
11 const songId = urlParams.get('id');
12 const song = songs[songId];
13
14 // Update konten song detail
15 const albumCover = document.querySelector('.album-cover-img');
16 const songTitle = document.querySelector('.song-title');
17 const songArtist = document.querySelector('.artist-subtitle');
18 const songAlbum = document.querySelector('.album-subtitle');
19 const songDuration = document.querySelector('.song-duration');
20 const songLyrics = document.querySelector('.lyrics-text');
21
22 // Ganti newline (\n) jadi <br> pada lyrics
23 const songLyricsBr = song.lyrics.split('\n').join('<br>').slice(5);
24
25 if (song) {
26   albumCover.src = song.albumCoverPath;
27   songTitle.textContent = song.title;
28   songArtist.textContent = song.artist;
29   songAlbum.textContent = song.album;
30   songDuration.textContent = song.duration;
31   songLyrics.innerHTML = songLyricsBr;
32 } else {
33   console.log('No song found!');
34 }

```

The script grabs the ‘id’ query parameter from the browser. Every song’s data is fetched from database.js and lyrics.js, then displayed according to the ‘id’ we grabbed using this piece of code (songDetail.js).

4. Register (Sign Up) Page

Desktop Look



The desktop view of the Willify registration page features a dark blue background with a green and blue wavy pattern at the bottom. The page is divided into two main sections. On the left, a white box contains the text "Have an account?" and "Sign in to get back to your music." with a green "Sign In" button. On the right, a dark blue box contains the text "Hi there!" and "Let's explore your muse by creating an account." followed by a registration form. The form includes input fields for Name, Age, Gender, Email, Password, and Confirm Password, a checkbox for "I agree to the terms and conditions.", and a large green "Register" button. The Willify logo and navigation links (Home, Songs, About Us) are in the top header, and the footer contains the Willify logo, tagline "Seamless and enjoyable music.", and links for About Us, Privacy Policy, Terms of Service, and a copyright notice.

Willify

Home Songs About Us

Login Register

Have an account?

Sign in to get back to your music.

Sign In

Hi there!

Let's explore your muse by creating an account.

Name Age Gender

Enter your name Enter your age

Email

Enter your email

Password Confirm Password

Enter your password Confirm your password

☐ I agree to the terms and conditions.

Register

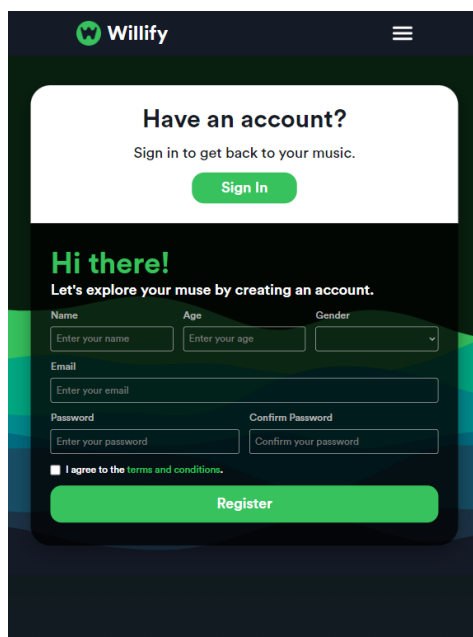
Willify

Seamless and enjoyable music.

About Us Privacy Policy Terms of Service

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Mobile/Tablet Look



The mobile/tablet view of the Willify registration page is a single-column layout. It features a dark blue background with a green and blue wavy pattern at the bottom. The page is divided into two main sections. On the left, a white box contains the text "Have an account?" and "Sign in to get back to your music." with a green "Sign In" button. On the right, a dark blue box contains the text "Hi there!" and "Let's explore your muse by creating an account." followed by a registration form. The form includes input fields for Name, Age, Gender, Email, Password, and Confirm Password, a checkbox for "I agree to the terms and conditions.", and a large green "Register" button. The Willify logo and navigation links (Home, Songs, About Us) are in the top header, and the footer contains the Willify logo, tagline "Seamless and enjoyable music.", and links for About Us, Privacy Policy, Terms of Service, and a copyright notice.

Willify

Have an account?

Sign in to get back to your music.

Sign In

Hi there!

Let's explore your muse by creating an account.

Name Age Gender

Enter your name Enter your age

Email

Enter your email

Password Confirm Password

Enter your password Confirm your password

☐ I agree to the terms and conditions.

Register

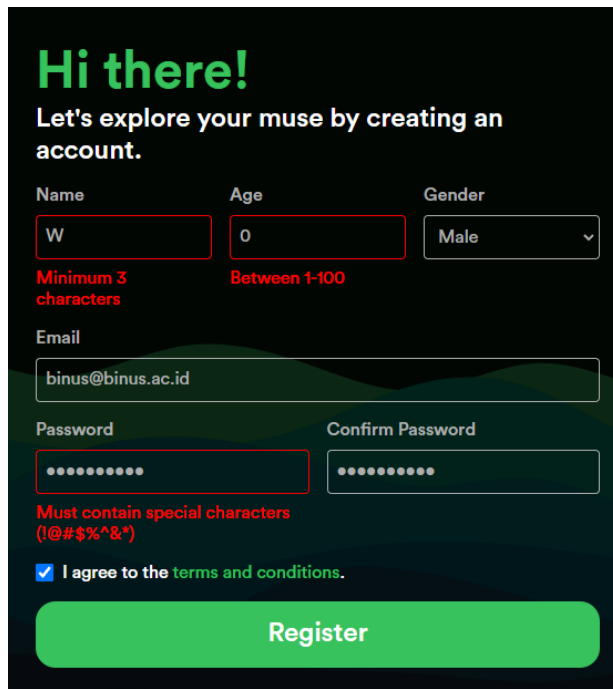
Willify

Seamless and enjoyable music.

About Us Privacy Policy Terms of Service

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The registration page or sign up page contains a register form that users can fill in. The form contains 6 input forms: name, age, gender, email, password and password confirmation. Then, they are required to agree to the terms and conditions by clicking on the checkbox at the end of the form. They can click the green register button to register themselves. The website will validate those 6 inputs.



Hi there!

Let's explore your muse by creating an account.

Name: W
Age: 0
Gender: Male

Minimum 3 characters
Between 1-100

Email: binus@binus.ac.id

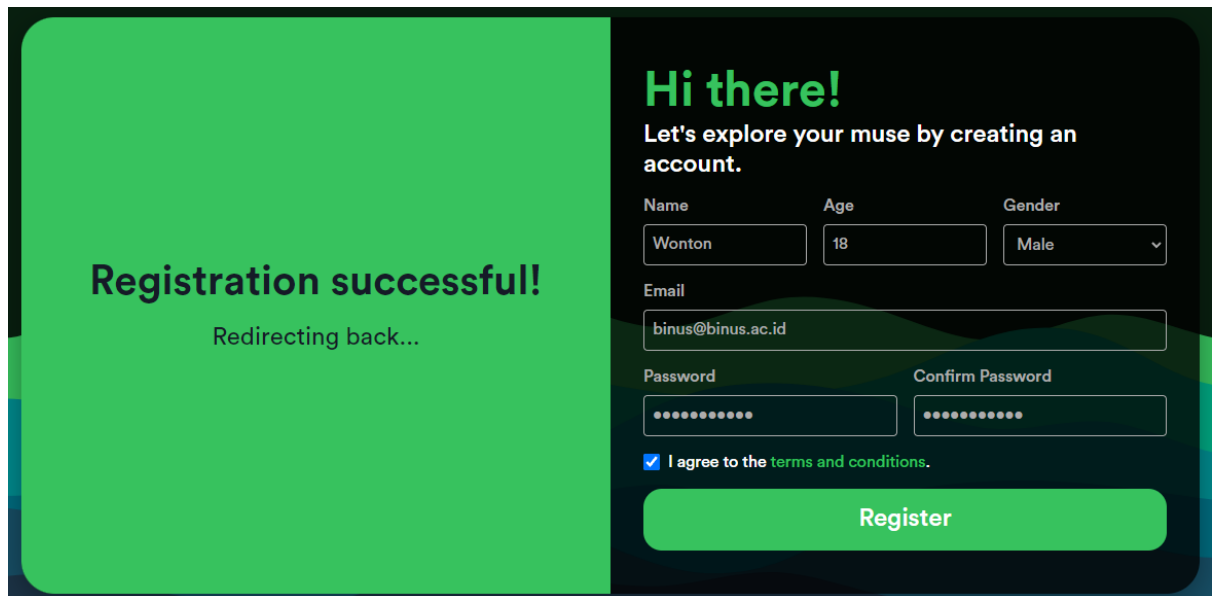
Password:
Confirm Password:

Must contain special characters (!@#%&*)

☒ I agree to the terms and conditions.

Register

Here, we can see the user failing 3 of the inputs.



Hi there!

Let's explore your muse by creating an account.

Name: Wonton
Age: 18
Gender: Male

Email: binus@binus.ac.id

Password:
Confirm Password:

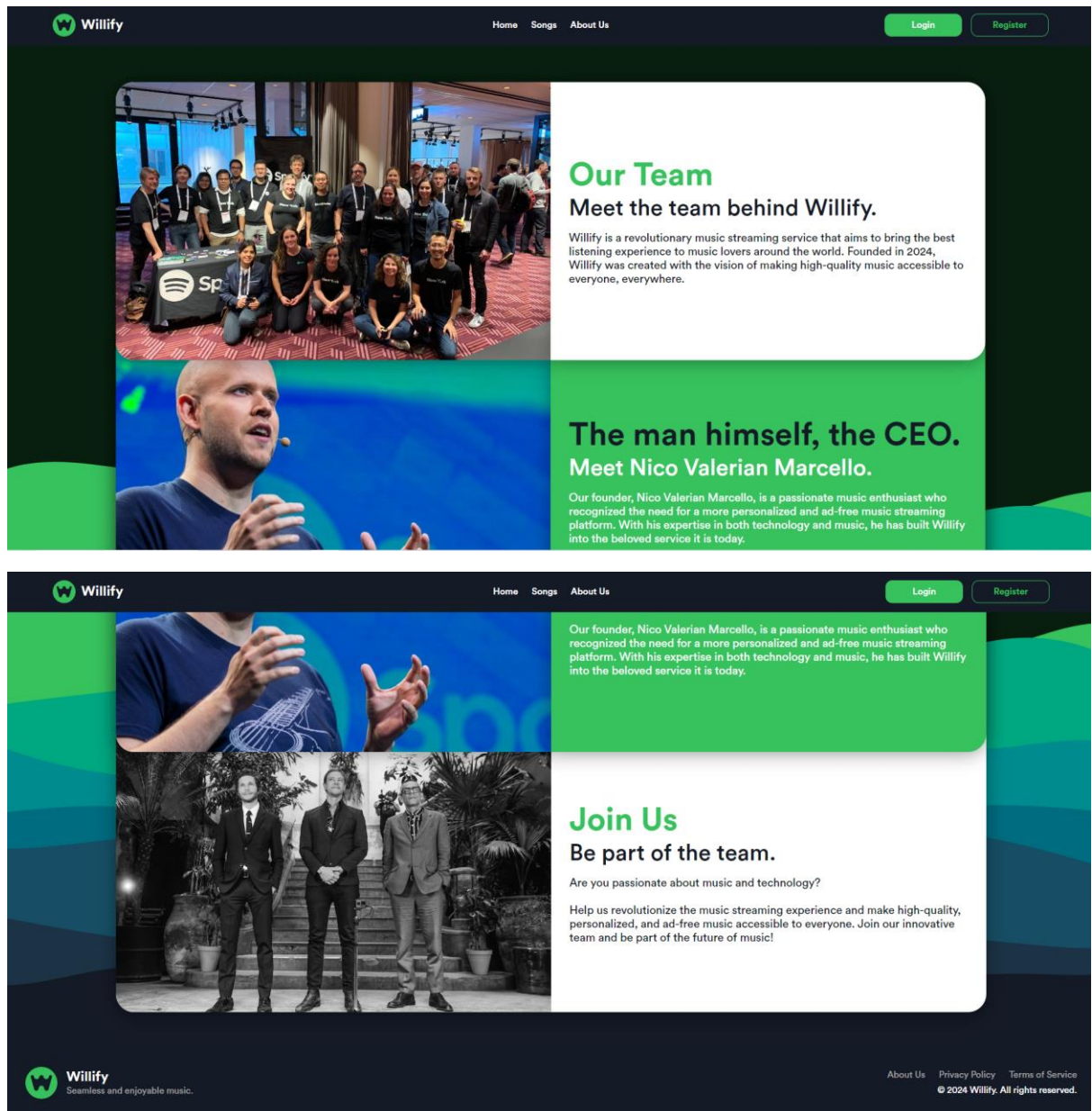
☒ I agree to the terms and conditions.

Register

Registration successful!
Redirecting back...

If the user is successful, they will be redirected back to the page before.

5. About Us Page



The about us page showcases three sections: the history and team of Willify section, the founder section, and a recruitment section. Each section provides the user information regarding Willify as a company and is an opportunity to tell Willify's history, values, and vision. Each section is stacked on top of another to create a 3D effect.

References

- The cool animated gradient text is inspired by this article by web.dev
<https://web.dev/articles/speedy-css-tip-animated-gradient-text>
- The CSS input pseudo classes applied when user fills in the input form is made easy when I learn it from mdn web docs.
<https://developer.mozilla.org/en-US/docs/Web/CSS/Pseudo-classes>
- A lot of the layouts such as for the register page are inspired from UI/UX artists from Dribbble.
<https://dribbble.com/>
- The layered waves background is made in Haikei.
<https://haikei.app/>
- The password validation method that doesn't use RegEx is inspired from GeeksForGeeks.
<https://www.geeksforgeeks.org/>