



Documentation for the Final Project  
from the Apprentices 2 - Javascript/React Program

Final project name: Bengloffyy

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Sechslingloff

App repository:  
<https://github.com/pamebengloff/react-final-project>

September 2, 2022

## Introduction

The purpose of this document is to provide overview, setup instructions and background information of the project, as well as a user manual.

## About the project

Consists in developing a web application made with React connected to an API provided by our mentor of the Javascript/React Program that requires the next:

1. Fully Responsive Design.
2. Language of all content: ENGLISH 100%.
3. User login screen.
4. Main container, which will contain the entire application, and in some section in the upper part, it must show the image of the Avatar of the logged in user (they do not manage roles or levels) and Logout option as your creativity allows.
5. Board. (Main menu). Creativity allowed.
6. Search.
7. Several necessary screens according to the project
8. Identification of the project: Name, Email and name or number of the Upskilling program in any visible area of the Dashboard.

## What is my web application about?

Is an application to obtain song recommendations based on a song or artist that the user searches.

It shows them 10 songs with a 30 seconds preview so they can listen to them.

If the search is not found, a message will display to the user. If the search is successful it will show them the song or artist they want, and the list of song recommendations based on that result.

If there are no song recommendations for their search, a message will display to the user.

They have to log in to the application with an email and a password to access the homepage and start the search.

It has an about page that has a short description of what the application does.

And they can log out with a button on the right corner on top of the page.

## Tools and Hardware Requirements

### Software requirements

- 1) Windows 8, 10 or 11
- 2) Visual Studio Code version 1.69
- 3) Node.js LTS Version: 16.17.0
- 4) Git
- 5) Chrome

### Hardware requirements

- 1) Wifi Availability

## Project Technical Specifications

This project uses the React library, it's made with Create React App, Bootstrap 5 for the styling and responsiveness, React Icons for the icons of the page.

## Setup Instructions

The aim is to run the application in the user's system, following the next instructions accordingly.

### **1. Install Visual Studio Code version 1.69**

You can visit their page [here](#).

## 2. Install Git

You can visit their page [here](#).

## 3. Install Node.js LTS Version: 16.17.0

You can visit their page [here](#).

Once it's installed you need to restart your computer so that it finishes its installation completely.

To check if is installed correctly open the Command Prompt in Windows and run the commands:

```
$ node -v  
$ npm -v
```

If it shows you the version number, you're ready to go to the next steps.

## 4. Fetching git code to local system

Open the Command Prompt in Windows and go to the folder you wish to clone the project, create a new folder where the project will be.

```
$ cd desktop  
$ mkdir project-folder  
$ cd project-folder
```

Clone the repository from GitHub: <https://github.com/pamebengloff/react-final-project>  
Run this command

```
$ git clone  
https://github.com/pamebengloff/react-final-project.git
```

## 5. Open Visual Studio Code to start running the project

Open the terminal included in Visual Studio Code and go to the root directory of the project

```
$ cd react-final-project
```

## 6. Installing dependencies

Run this command next:

```
$ npm install react-scripts
```

## 7. Run the application

Once it finishes installing the dependencies you're ready to go and run the application

```
$ npm start
```

## Application Architecture

Inside the project there are the following folders and files:

- node\_modules

Containing the node modules needed for the application

- public

Inside is the index.html that has the configurations to run the application with React and the Bootstrap cdn links to make use of it.

- src

Index.jsx is the file that contains App.jsx and communicates with index.html to run the application.

Inside this folder are other folders:

- auth

Containing Login.jsx to work with the logic of login and logout and render the Login page.

And login-styles.css to style the page.

- context

Contains the AuthContext.jsx file that is in charge of setting the context for the Login and Navbar components.

- the-app

App.jsx is the file that contains all the application and has routes that are public to the user if it's not logged in.

Inside this folder are other folders:

- Navbar

Contains the Navbar.jsx file to contain the logout logic and the menu of the application. And navbar.css for the styling of that component.

- Pages

JSX files:

- About.jsx - has a little description of what the application does
- HomeSearch.jsx - here is the fetch to the Spotify API and the search function, it also communicates with SongCard.jsx and SongList.jsx

CSS files:

- about-styles.css
- homesearch-styles.css

Inside pages are another folders

- Components

Inside are the next files:

JSX files:

- `AudioPlayer.jsx` - has the audio player logic to play the songs preview
- `Footer.jsx` - has a little description about the developer
- `SongCard.jsx` - has the logic to display the searched song or artist
- `SongList.jsx` - has the logic to display the search results and communicates to the `AudioPlayer.jsx` file to get the audio.

CSS files:

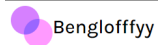
- `audioplayer-styles.css`
- `footer-styles.css`
- `songcard-styles.css`
- `songlist-styles.css`

- Routes

Contains an `AppRoutes.jsx` file that gets in charge of the private routes: `Navbar`, `HomeSearch` and `About`

## User Manual

When the user enters the page it will send them to the Login page



Welcome to Bengloffyy!

Please login to access and start discovering

Login

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They have to enter an email address and a password in their corresponding fields and then press the button of “Login” to access the rest of the page.

If they don’t write the correct data or none of it, it will show them the next messages:

An email is required

A password is required

Login

Please enter your email and password

So the user has to write the data like this example:



pamebengloff@gmail.com

An email is required


.....


Login

Please enter your email and password

And press the button of “Login”

Now that it has access to the rest of the page it will send them to the HomeSearch page

 Bengloffyy

Home About 

## Discover new music here!

Type an artist or a song and find song recommendations

Search

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And they can write in the “Search song” input field, then press the button “Search”


## Discover new music here!

Type an artist or a song and find song recommendations


  

And it will display the results below if the search was successful

 Bengloffyy

[Home](#) [About](#) 




Type an artist or a song and find song recommendations






Based on:









### Somewhere Only We Know

Hopes And Fears  
Keane

|   |                            |                                     |                          |
|---|----------------------------|-------------------------------------|--------------------------|
|  | <b>Seaside</b>             | Inside In / Inside ...<br>The Kooks | Preview<br>not available |
|  | <b>All I Want</b>          | In A Perfect World...<br>Kodaline   | ▶                        |
|  | <b>A Sky Full of Stars</b> | Ghost Stories<br>Coldplay           | ▶                        |

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They can press play to any song that has the play button, if a preview is not available it will show the message of “Preview not available”.  
And they can press pause to pause the audio reproduction:

|   |  |                                     |                          |
|---|--|-------------------------------------|--------------------------|
|  <span>Benglofffy</span> <span>Home</span> <span>About</span> <span>👤</span>   |  |                                     |                          |
|    | <b>Seaside</b>                         | Inside In / Inside ...<br>The Kooks | Preview<br>not available |
|    | <b>All I Want</b>                      | In A Perfect World...<br>Kodaline   |                          |
|    | <b>A Sky Full of Stars</b>             | Ghost Stories<br>Coldplay           | ▶                        |
|    | <b>You're Beautiful</b>                | Back to Bedlam<br>James Blunt       | ▶                        |
|    | <b>You're The Best Thing About ...</b> | Songs Of Experie...<br>U2           | Preview<br>not available |
|    | <b>Here With Me</b>                    | No Angel<br>Dido                    | ▶                        |
|    | <b>This Is The Last Time</b>           | Hopes And Fears<br>Keane            | Preview<br>not available |
| <p>             Made by: Pamela Sechslinghoff<br/>             ✉ pamebengloff@gmail.com<br/>             3Pillar Global Apprentice Program, Upskilling, Front-End Development<br/>             Copyright © 2022 Benglofffy           </p> |  |                                     |                          |

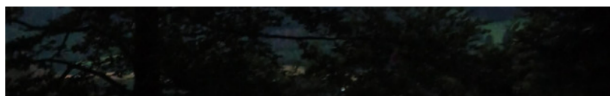
If the search wasn't found it will display the next message:

## Type an artist or a song and find song recommendations



We couldn't find an artist or song, please try with other title

And if the search was found but there are no recommendations for it it will show this message:

We couldn't find recommendations for this

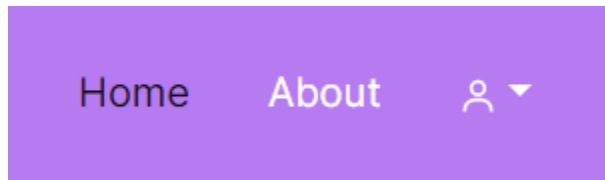
Based on:

### Gravitational Forces (slowed + r...

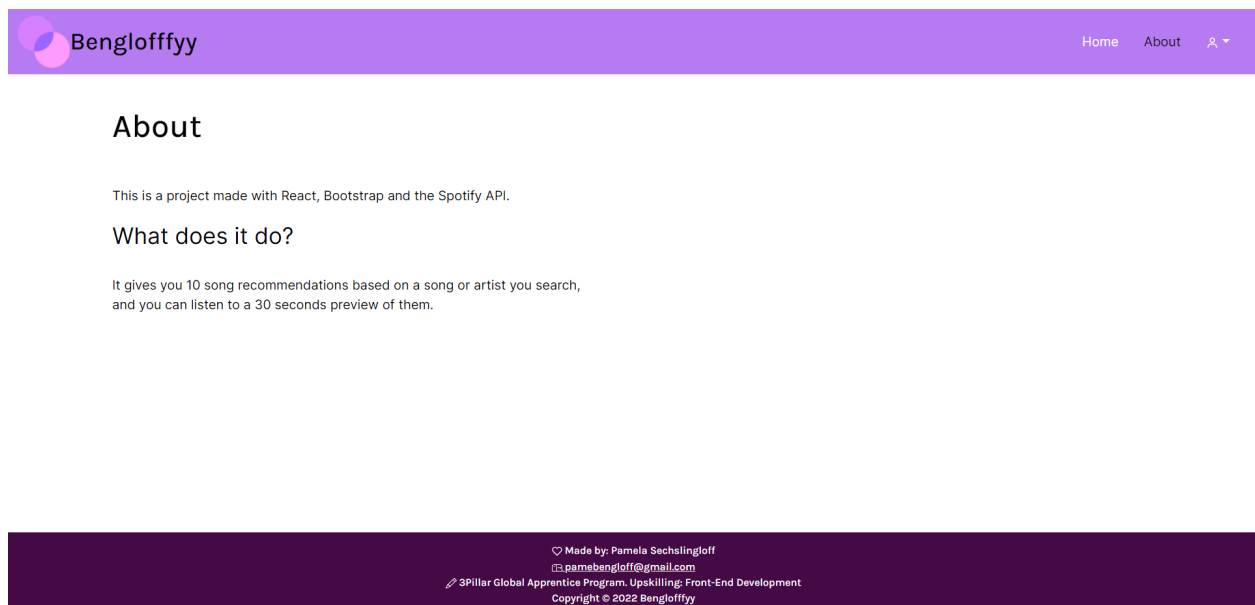
Gravitational Forces (slowed + reverb)

wheelsturns

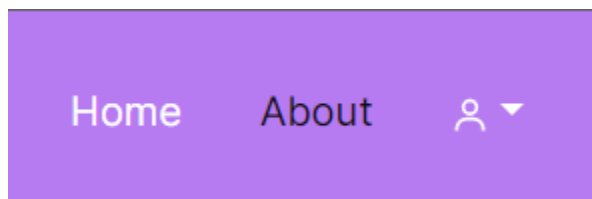
If the user wants to go to the About page it has to click on the About link in the navbar



And it will direct them to the About page



They can go back clicking on the Home link in the navbar



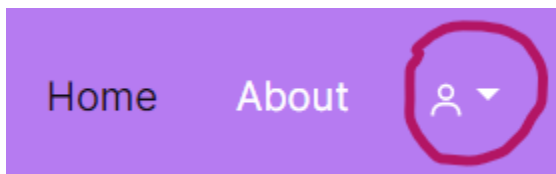
And it will go to the Home page again

Discover new music here!

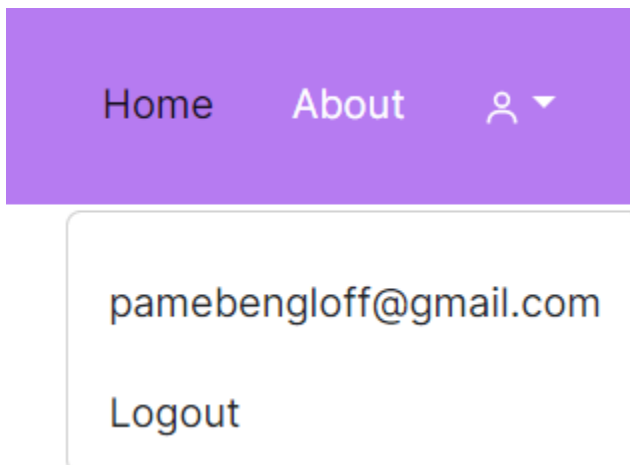
Type an artist or a song and find song recommendations

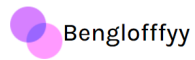
If the user wants to logout they can press on the little user icon



Where their email will display and a button to logout



They press in Logout and they are redirected to the Login page



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Please login to access and start discovering

Login

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