REYKJAVÍK UNIVERSITY

Operating manual

Bjarki Már Friðriksson

Ingólfur Orri Gústafsson

Natalia Potamianou

Patrekur Ingi Sigfússon

Instructors: *Dr. Anna Sigríður Islind and Dr. Stefán Ólafsson* *13. maí 2022*

1. Introduction to the website

The HuguR website focuses on supporting the students of the university with their mental health. It is being developed in collaboration with the psychological department, which provides all material for students to utilize. Building on ideas and interviews from both staff and students themselves, the site will provide students with:

- The ability to log in to get more personalized feedback
- The option to answer a questionnaire for more personalized feedback
- Many methods to improve or support the students' mental health
- Self-help tool section for immediate support
- The ability to book meetings with the RU counselors

This operating manual is for programmers that will continue developing the product in the future. This manual goes over all information about how to run the backend, frontend as well as explaining the many ways to get the most out of our vast website. For all further questions, please contact the HuguR development team.

2. Install

In order to run HuguR on your machine, you must first install:

Node.js - also installs npm.

In order to work on the HuguR project, you will need an IDE, e.g. Visual Studio Code.

3. Run for the first time

Before running the website, make sure that you have successfully navigated to the folder which holds the node_modules folder, that is, the path should look as shown below:

```
    Directory: C:\Users\ingol\OneDrive\Desktop\HR\Vor 2022\Lokaverkefni\HuguR\hugur


Mode                 LastWriteTime         Length Name
----                 -------------         ------ ----
da---l         4/25/2022   9:54 AM                .firebase
da---l          5/2/2022   3:56 PM                node_modules
da---l          5/3/2022  11:08 AM                public
da---l          5/3/2022  11:08 AM                src
-a---l         4/25/2022   9:54 AM             60 .firebaserc
-a---l         4/25/2022   9:54 AM            333 .gitignore
-a---l         4/25/2022   9:54 AM            251 firebase.json
-a----          5/3/2022  11:08 AM        1248080 package-lock.json
-a----          5/3/2022  11:08 AM           1059 package.json
-a---l         4/25/2022   9:54 AM           3429 README.md
```

Figure 1: Directory of project

Here, run, in the terminal, ‘npm install’. This will make sure you have all the packages necessary to run HuguR.

After successfully running ‘npm install’, simply run ‘npm start’ and the browser will open with the HuguR home page!

4. Github

The website lives on GitHub (https://github.com/BjarkiF/HuguR/tree/main). It has one main branch that is updated when all tasks for the current sprint are completed. Under that is the development branch, where current tasks are pushed when finished. All development of single tasks happens on branches, where the developer can test and write functions without having effect on the website as whole. The branch shall be named a descriptive name to that task. When the developer is finished, he creates a pull request into development, which requires a confirmation from another developer. At the end of the sprint the development branch will be pulled into main.

5. Folder structure

All components of the website, whether it is the look of the website or the function behind it, lives in the src folder. The src folder is structured as such:

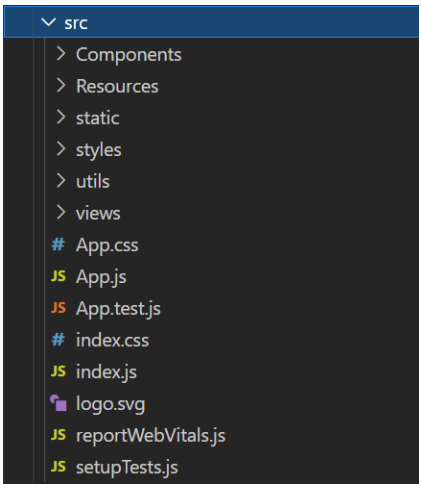

Figure 2: Folder and file structure inside src folder

Inside the components folder are all the UI components which are used elsewhere commonly, such as the individual cards or header.

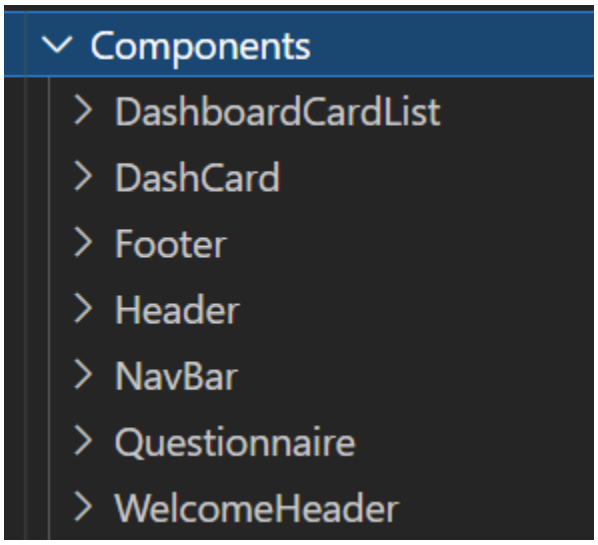

Figure 3: Components of project

The static folder holds images.

The styles folder holds the commonstyles.css file, where the styles which are utilized across the platform live. Note that should a page need special styling, that styling file should live at the same place as the page file itself.

Utils holds the configuration file for the firebase service.

The views folder holds the magic. Here, all the different pages live. Each folder should adhere to the naming style, which is camelcase with a descriptive name of the page. Each folder holds an index.js, which is the page itself, and a styling should the page need any special styling, outside the common ones.

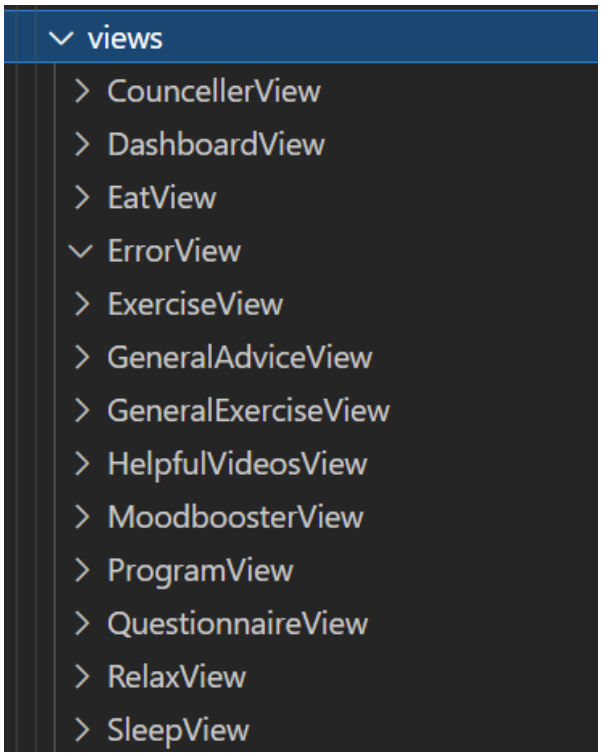

Figure 4: View folder

Now onto the single files. Index.js is the file that runs. It calls all other files and handles routing and the URL's as well.

```
ReactDOM.render(
  <Router>
    <App />
    <Routes>
      <Route path="/" element={ <DashboardView /> } />
      <Route path="/councel" element={ <CouncellerView /> } />
      <Route path="/eat" element={ <EatView /> } />
      <Route path="/exercise" element={ <ExerciseView /> } />
      <Route path="/moodboost" element={ <MoodBoosterView /> } />
      <Route path="/programs" element={ <ProgramView /> } />
      <Route path="/relax" element={ <RelaxView /> } />
      <Route path="/sleep" element={ <SleepView /> } />
      <Route path="/general%20advice/:category" element={ <GeneralAdviceView />} />
      <Route path="/helpful%20videos/:category" element={ <HelpfulVideosView />} />
      <Route path="/exercises/:category" element={ <GeneralExerciseView />} />
      <Route path="/questionnaire" element={ <QuestionnaireView />} />
    </Routes>
    <Footer />
  </Router>,
  document.getElementById('root')
);
```

Figure 5: index.js

6. Firebase

The HuguR website and the database are both hosted on Google's Firebase service. The firebase console for the project can be accessed at https://console.firebase.google.com/project/hugur-project

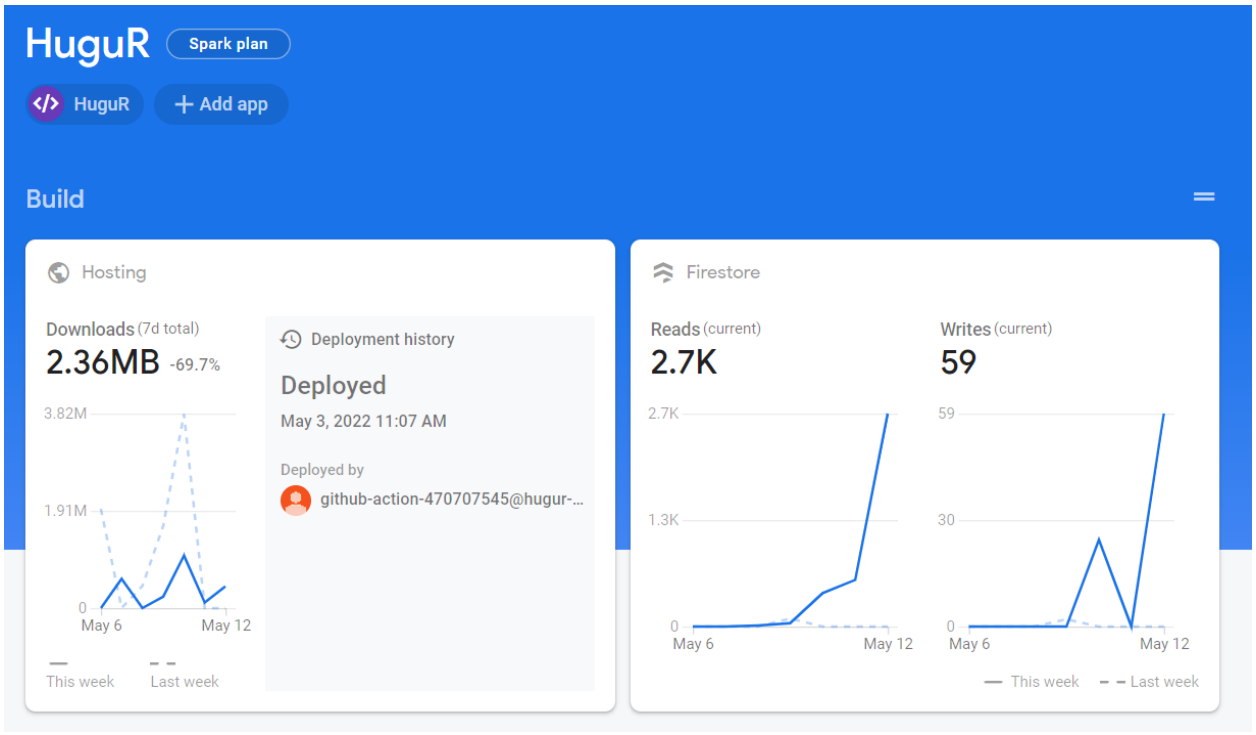

Figure 6: Firebase console

The data is hosted in a Firebase Firestore database, where the data is sorted into collections. Data can be added, removed and changed through the firestore console.

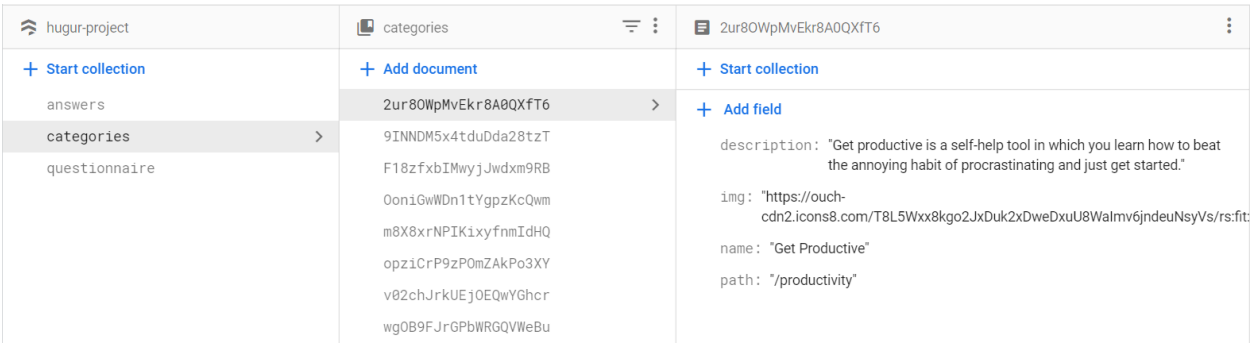

Figure 7: Firestore data example

7. Navigation around the site

From the main page, we can select each category. Each category then has three main links, which link to pages with keys which indicates from what category the call was made. That way we can use the keys to pull relevant data from the database.