

EE/CprE/SE 491

Social Support Registry App

WEEK 1 REPORT

01/25/2022 – 02/06/2022

Group number: SDDEC22-08

Client: Dr. Katherine Rafferty

Advisor: Professor Matthew Wymore

Team Members:

Samantha Culver

Kellan Hulet

Brayden Ruch

Amaranthia Willers

Weekly Summary

In the first week of project work, the team focused on determining the best languages to focus on software development in. Kellan Hulet suggested React.js as the front-end coding language and the team decided on Java SpringBoot for the back-end development. These languages are subject to change, but are the foundation for the team's initial planning and design processes. Samantha Culver, Brayden Ruch, and Amaranthia Willers focused on becoming familiar with React.js while Kellan Hulet worked on setting up the development environment. In the second team meeting, Kellan Hulet demonstrated how to navigate the front-end development environment and the team worked together to ensure all environments were set up correctly.

Past week accomplishments

Samantha Culver:

- Became familiar with the React.js development environment (Jan 31 - Feb 6)
- Worked with the team to practice design thinking including creating lotus diagrams to map out user needs (Tuesday Feb 1)
- Brainstormed design ideas for app home page (Jan 30)

Kellan Hulet:

- Set up basic react app home page
- Demonstrated to team how to install react and run the app
- Worked with team on the design thinking workshop

Brayden Ruch:

- Started work on the database relations tables (draft) (Jan 31 - Feb 6)
- Worked with team on design thinking workshops (Jan 30)
- Familiarized myself with react (Jan 28, Feb 3)

Amaranthia Willers:

- Familiarized with React.js development environment as well as potential additions for increased flexibility in how the website would appear(Jan 25-Feb 3)
- Took notes on initial meetings with both the group and the client(Jan 28, Jan 30)
- Shared a live edit document for initial questions for the client to coordinate what information we needed from the client(Jan 27)

Lotus Diagram:



This diagram is intended to help map out user needs and focus on specific features that should be considered with app development.

Pending issues

Kellan Hulet:

Brayden Ruch:

Amaranthia Willers: Must be on campus for meetings due to internet connectivity issues. Had a flare up of chronic illness(fibromyalgia) due to cold fronts.

Hours Worked

Name	Hours this week	Hours cumulative
Samantha Culver	6	6
Kellan Hulet	6	6
Brayden Ruch	6	6
Amaranthia Willers	6	6

Comments and extended discussion

None

Plans for the upcoming week

Samantha Culver:

- Work with Kellan Hunt to design webpages for the application focused on various features.
- Work to create flowchart for web design navigation
- Start working on SQL tables

Kellan Hulet:

- Create basic webpages routed through the app for various features.
- Work with team to create flowchart of navigation for front end.

Brayden Ruch:

- Look into feasibility and options for Spring Boot,
- Email TA and Prof with server environment
- Work with team on flowchart for Navigation

Amaranthia Willers:

- Work with team on flowchart for Navigation
- Review necessary information for Spring Boot backend functionality

Summary of Advisor Meeting

Gaining an understanding of the general direction that the project should go starting out, such as potential features and what the deliverables should be. The idea is that the deliverable should be a web application that may be ported to a mobile application later. Some of the features that were mentioned specifically were a chat feature and templates for different types of support. Background around what the client wanted and why were talked about and clarified when necessary. The types of users and potential security requirements were discussed in depth. All in all, the initial meeting with the advisor and client went well, with a general direction to develop the project.