CPRE 491 – WEEKLY REPORT 3

10/13/2019-10/20/2019

Group: SDMay20-51

Project: Location Care

Client: In Motion Care LLC

Advisor: Daji Qiao

Team Members:

Brandon Elizondo   *Team Lead*

Kirkland Keith   *Scribe / Communications Manager*

Suzanna Gudivada   *Report Manager*

Austin Sehnert   *Lead Software Engineer*

Benjamin Zaley   *Lead Test Engineer*

Weekly Summary

Drafting and exploring our screen designs on ReactJS, we are gathering the screen requirements and draft use cases needed for our client. Planned on reviewing the draft UI and UI mockup website to the founders of Green Hills Community Center but we had to reschedule due to scheduling conflicts. Meanwhile, we are exploring the possibilities of our UI designs. We decided on a Spring Boot-based backend to coincide with existing Java code. Spring Boot is free of cost which aligns with our project having no budget. Backend we are gathering data and researching WISER API for data returned by tags, taking into account for database setup. Research In Motion Care's API, looking to improve database to support polling legacy data for playback.

Past Week Accomplishments

- Access to NxGenCare
- Drafted a semi-working UI on ReactJS with the functionality required by the client.
- Set up WISER UI to see the movement of tags in our Green Hills environment.

Pending Issues

Need to get access to our client's google cloud database to start looking into the database layout to make progress on our backend. Also need the floor plan of the Green Hills facility. Meet with the founders of Green Hills Community Center to show them our screen designs and acquire their thoughts and ideas on the functional requirements of the dashboard screens we will be implementing.

Individual Contributions

Name	Individual Contribution	Weekly Hours	Cumulative Hours
Brandon Elizondo	Created React versions of existing mockups for reference and demo.	7	23.5
Austin Sehnert	Altering screen design concepts. Understanding the Wiser API and code reviews of what Brandon has implemented.	2.75	15.75
Suzanna Gudivada	Learning React JS Framework, Set up WISER System's UI, API provided by the client	2	15
Benjamin Zaley	Exploring the current system API and checking for the best implementation strategies.	4	18.75
Kirkland Keith	Spent time learning about Java Framework Spring Boot. Creating simple test cases to work with the framework. Maintaining meeting notes during client and advisor meetings.	5	19.5

Plans For Upcoming Week

- Meet with founders of Green Hills Community Center to discuss screens with further requirement.
- Get access to google cloud - MySQL
- Get Green Hills Community Center floor plan.
- Put together plans for hackathon participation

Weekly Advisor Meeting Summary

Showcased our screen mockups and demo website to our advisor. His response towards our progress was positive. We discussed our plans to tackle our deliverables for the semester. Informed Daji about our plan to take this project to HackISU to finish a huge part of the project during that weekend. Discussed pros and cons of Wiser Systems. Justified our choices of software selected to our advisor. Scheduled our next meeting on 11/05.