

# CPRE 492 – BIWEEKLY REPORT 5

3/21/2020-3/31/2020

Group:SDMay20-51

Project: CNAT

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*

## Biweekly Summary

With the COVID-19 changes to our college routine, our team has worked among ourselves and with our client to decide the deliverables and testing for the project. Through this confusing time, we have altered our deliverable very minimally. Since we have three parts of our project completed. Our team will be concentrating on delivering the live location of the CNA's and equipment on the facility map. We worked on finishing off some parts of our other deliverables. Our front-end team is working on researching the web sockets implementation while our back-end team is finishing up some tasks and also researching on implementing sockets. We are trying to use websockets to transfer a set of coordinates from back-end to front-end.

We've discussed a potential testing plan to test the accuracy of the live data but still need to brainstorm the plan with our client, which is the agenda of our next client meeting.

## Past Weeks Accomplishments

- Set a plan due to the unforeseen changes
- Finished up Care Plan front-end
- Fixed issues that were noticed up during the peer review demo.

## Pending Issues

- Finalize test plan

## Individual Contributions

Name	Individual Contribution	Biweekly Hours	Cumulative Hours
Brandon Elizondo	Continued implementing the API calls into the API controller. Researched socket connection in javascript for the front-end.	12	70
Austin Sehnert	Finished up Care Plan application to the extent our client can give us. Researched websockets to implement for the "live" map feature	12	57
Suzanna Gudivada	Researching websockets to implement for the "live" map feature. Launched the facility map on the web application. Coordinating between our advisor and the team.	12	57
Benjamin Zaley	Updated database to reflect changes due to cutting back scope because of COVID19 Began creation of a program to simulate WISER data upload to database for final presentation.	12	55
Kirkland Keith	Worked on backend to fix issues with adding/editing users and care plans. Began researching implementation of websockets for backend map usage.	9	58

## Plans For Upcoming Weeks

- Brandon Elizondo: Work with Kirkland to implement the socket connection for viewing live data on the map. We don't have access to real testing data right now or the system, so we will have to figure out how to scale the information without data.
- Austin Sehnert: Help with the websockets on the front end to display "live" map data
- Suzanna Gudivada: Work on websockets and displaying the "live" map data.
- Benjamin Zaley: Finish simulation script

- Kirkland Keith: Need to decide on which websocket library to use for Spring Boot. Specifically, we will need to make the backend websocket send data to the frontend any time the raw data table is updated. Will work with Brandon to accomplish this.

## **Client and Advisor Meeting Summary**

We've been conducting Google Hangout meetings with our client. We've had two meetings with our client to set deliverables and the plan for the remainder of the semester. We've been updating our advisor with the plan and are working to set up a meeting with him soon.