

CPRE 492 – BIWEEKLY REPORT 6

3/31/2020-4/15/2020

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

Our team is focusing on our final deliverable, the live location displayed on the Map. Both front-end and back-end are working towards implementing the real-time map. We've been working closely with our client to give us critiques and suggestions about our implementation. Our team is also getting ready to wrap up most of the development work and we will move towards testing our live data on our webpage. Our client requested another addition to the Map page, a table that shows which tag is assigned to the individual and another table that shows which tags are the equipment. We proposed to our client some designs of tables and we are working on developing it now. We are also fixing some bugs that arose during the API implementation of the data. While back-end is working on supporting these front-end cases.

Past Weeks Accomplishments

- Progress on back-end to aid live location on the Map
- Front-end socket implemented and works
- Back-end socket implemented and works
- Client confirmed final deliverable's screen design
- Acquired live data and dataset from client for testing purposes

Pending Issues

- Tying together demo data and correct playback on the front-end
- Displaying names of equipment and nurses on tables on the front-end
- Fixing API data input issue

Individual Contributions

Name	Individual Contribution	Biweekly Hours	Cumulative Hours
Brandon Elizondo	<ul style="list-style-type: none">- Created front-end websocket connection to the back-end to transmit location information of trackers- Updated map so equipment would show as a different icon than staff- Updated maps to use a hash of the name of the employee or equipment so that it should be relatively consistent on a per person basis	13	83
Austin Sehnert	<ul style="list-style-type: none">- Researched ways to implement the websockets and to display the "live" map data.- Addressing the API issues that are arising during data input.	12	69
Suzanna Gudivada	<ul style="list-style-type: none">- Worked on some pending issues- Proposed table designs to the client- Starting implementation of the tables on the Map.	12	69
Benjamin Zaley	<ul style="list-style-type: none">- Created upload script that mimics how WISER would upload data to database- Localized dataset for our demo	12	67
Kirkland Keith	<ul style="list-style-type: none">- Created back-end websocket connection to the front-end.- Worked with Brandon to test subscription based socket usage with working database calls- Began work on creating suitable query for updating map data to be sent over socket	14	72

Plans For Upcoming Weeks

- Brandon Elizondo: Implement test for location data streamed from back-end and relate locations across map correctly
- Austin Sehnert: Fix the API data input issue. Work on documentation for our client and begin working on poster, presentation, and final reports.

- Suzanna Gudivada: **Implementation of the tables on the Map.** Work on documentation for our client and begin working on poster, presentation, and final reports.
- Benjamin Zaley: Update design document for final submission. Assist with creation of the poster.
- Kirkland Keith: Continue work on map update query by using Ben's script to simulate active tracker usage. Begin working on poster, presentation, and final reports with the group.

Client and Advisor Meeting Summary

Met up with client over group Google hangouts meeting, Spent the time to discuss the planned final deliverables for the project and all project due dates for the final poster, presentation, and report. Met with our advisor on a call to discuss the deliverables and testing for our project.