CPRE 492 – BIWEEKLY REPORT 2

1/31/2020/-2/13/2020

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*

Weekly Summary

During the last two weeks, we've met with our client once, our advisor and met with Professor Maruff Ahmamed. Our team worked towards their tasks we've mentioned in our last report. We are making progress on implementing employee pages on the application and we are almost done with integrating the Care Plan into our application. We are making progress on all the screens and outsetting towards delivering our client with a few more pages that were requested.

We've delivered a database schema to our client and we have few more decisions to make about the schema with our client. The decisions are primarily due to the delay in corroboration to merge another already existing MongoDB tables into our database. This auxiliary MongoDB manages an Android application our client uses to perform some ulterior actions, not within the score of our senior design project but utilize the same wiser system's db tables as our project.

Our scope of the project has changed a bit from last semester, our team has laid out a semester plan to help us navigate our project precisely to deliver our client a satisfying web application. We are aiming to finish most of the project delivery by March, leaving us all of April for us to deploy and test our web application.

Pages that will be delivered:
- Login Page
- Main Screen (with maps, tabs and thumbnails)
- Employee Page
- Employee Setup Page
- Employee Info
- Employee Privileges

- Resident Page
- Care Plan (Resident's medical and daily care details)
- Care Plan Log (with Nurse logs)
- Facility Map and Floor Map (with timer)

When drafted these screens to help us visualize them during the front-end development and for our back-end team to go ahead and start writing the queries to fill the information in these screens. This way the back-end team is not stalling while the front-end screens are being developed.

Past Week Accomplishments

- Routing between the screens implemented

- Semester plan established

- Implemented original Care Plan specifications into our application

- Established and tested front-end and back-end communication

Pending Issues

When we met with our client, we were unable to discuss front-end screens and priorities of the screens so we will have to discuss this with our client and clarify on thumbnail specifications on the home screen, we need to debate between the usability and deliverability ease of implementing either most used pages or recently visited pages. Gather specifications from client for the Care Plan, client mentioned editing some functionality with the Care Plan.

Individual Contributions

Name	Individual Contribution	Weekly Hours	Cumulative Hours
Brandon Elizondo	Created more pages based on client requests and implemented them in the application. Updated logic between components. Worked on implementing state management frameworks.	4	21
Austin Sehnert	Worked on updates to the Careplan application. Then started the implementation of the weekly summary page.	3	15
Suzanna Gudivada	Drafted the screens for better implementation idea, easier to visualize the screen flow and we can proceed with SQL queries. Worked on implementing the rooms and continuing to work on implementing the timer notification in the rooms.	4	12
Benjamin Zaley	Made alterations to ER diagram to incorporate careplan into database. Added additional tables into schema go reflect this change.	3	14

Kirkland Keith	Continued work on backend controllers, models, and SQL commands. Specifically refined manipulation of User table and Tag table for frontend use. Worked with frontend to refine queries based on data needed in the front end area.	4	14

Plans For Upcoming Week

- Clarify the pending issues with our client.
- Brandon Elizondo: Continue implementing client requests and work out state management.
- Austin Sehnert: Continue working on the weekly summary page and finish all front end features for that page.
- Suzanna Gudivada: Continue working on implementing the timer notification in the rooms. Clarify the screen designs with our client and set in stone the screen deliverables.
- Benjamin Zaley: Finish schema with available information, begin local testing on database.
- Kirkland Keith: Continue implementing controllers and models in backend to reflect changes to database. Begin working more directly with frontend to ensure seamless communication between the two parts (i.e. frontend is receiving the correct information through requests that the backend can understand)

Weekly Advisor Meeting Summary

Our team met with our project advisor, Daji Qiao. We presented our updated client requirements and explained the functionality for the screens. We explained our back-end structure, we've been working on and explained how we utilize the Wiser System's data dump to process the data we want for the functionality of our screens.

Daji Qiao advised us to sketch the screens, create a screen flow and acquire priority of these screens so we can tackle them in the order of the priority, in case our team runs out of time this semester to deliver ten screens to our client.

Scheduled our next meeting with our advisor on February 26th 2020.