

BI-WEEKLY REPORT

09 MAR 2018

NTT DATA: SLEEP DATA WITH GOSH

TEAM 29

MARIAM ABBAS, ABHINATH KUMAR, VIJEYKANNEN VIJAYARATNAM

OVERVIEW

In these two weeks we have further developed the mobile app by translating the Japanese text into English, and we have also added a check for WiFi and connection to the web server. We have met with difficulties in making the web portal real time with the Razorflow framework and have decided to switch to Chart.js instead. At the same time, we have begun developing the project website for final submission using a Bootstrap template.

MEETINGS

FRIDAY 2 MARCH 2018

We met with Dr Francois Albert from GOSH to show him the current progress of the project. We also explained the need to drop the requirements for extra sensors due to lack of time. They were disappointed but ultimately agreeable to dropping the requirement. They were pleased with the prototype we showed but reemphasised the need for adequate security measures in the system.

TUESDAY 6 MARCH 2018

We met with Mr Warren Stone, Mr Hiroki Inagaki and Mr Gadhu Sundaram to report the progress of the project. They expressed some concerns with the approaching deadline and the switching of the frameworks but we reassured them that work would still be completed on time as we were concurrently producing the project website.

PROBLEMS

- Razorflow was not able to provide real time updating with AJAX.

PLAN

- We will re-develop the web portal using Javascript and Chart.js in order to achieve real-time updating.

INDIVIDUAL SECTIONS

MARIAM ABBAS

I added more features to the mobile app, translating the UI to English, a feature that displays weather you're connected to Wi-Fi. I also added the ability to input patient ID and Study ID (and change them) and adapted the PHP script so that our system could handle multiple users. I also create the User Acceptance test that we would run when meeting our clients.

ABHINATH KUMAR

We hit a dead-end with the Razorflow framework, as it would not allow us to achieve real-time. However, with initial research, we had Chart.js library as a backup. So, I began to migrate the dashboard to a JavaScript front. This proved to be much better and effective. I was able to create a real-time graph for ECG.

VIJEYKANNEN VIJAYARATNAM

I have begun the development of the final project website. I have decided to use Bootstrap instead of WebSlides as I think it would provide a better viewing experience and better navigability. I am facing a bit of a learning curve as I am not too familiar with Bootstrap but I have found a template which has made the development easier.