

# BI-WEEKLY REPORT

## 03 NOV 2017

NTT DATA: SLEEP DATA WITH GOSH

TEAM 29

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### OVERVIEW

The first week was spent on completing the Human Computer Interaction (HCI) assignment, while the second week was spent on the completion of Scenario Week 3 (DevOps). Because of this, little progress was made on the Research and Design of the project.

### MEETINGS

The team met up almost every day over the course of the 2 weeks to complete the assignments mentioned above.

### PROBLEMS

- Due to the HCI assignment and Scenario Week little progress was made on the actual project. This was explained to Mr Inagaki previously and was expected.

### PLAN

- Begin the selection of technologies and detailed design of our project.

### INDIVIDUAL SECTIONS

#### MARIAM ABBAS

I visited the sleep laboratory and conducted interviews with the doctors to start our research and help build our user personas and scenarios and help finalise our prototype and final requirements and researched technologies we could possible use. I also attended a meeting with our clients to help us refine our prototype and requirements further. Created the HCI video and created content for the website including the User Personas, User Scenarios.

#### ABHINATH KUMAR

I was heavily involved in the design and creation of the HCI components. I firstly had to create storyboards to illustrate how the interactions between the doctors, patients and products would take place. This was based of the sleep study session we attended at The Great Ormond Street Hospital. I could then create prototype sketches and a final wireframe for the front-end of the dashboard. The final wireframe was created through iterative design processes. To show the doctors the user interface, I created a mock-up of the dashboard on PowerPoint. This allowed us to get feedback.

During scenario week, my role was to implement the web-app. Firstly, I had to learn the Python framework Django, which allowed me to create the notebook webapp. This took a few days, as the framework was new to me. I then user Docker to containerize the webapp and deployed it onto a web server.

#### VIJEYKANNEN VIJAYARATNAM

For the HCI assignment my research role was to prepare the project abstract and present the competing solutions. My main role was to create the website for our HCI assignment while the rest of the team prepared the bulk of the content.

During Scenario Week, my role was to research into Azure and try to create the cloud architecture to deploy on however due to technical problems with Azure I was not able to achieve this. However, I think I have learned valuable information which can help us in the future