**WEEK 3 REPORT**

**DATE**

Monday 18 March 2019 – Friday 22 March 2019

**GROUP 3**

Jennifer Phuong Huynh (a1709507)

**WEEKLY UPDATES**

1. **What did you do this week that helped the development team meet the sprint goal?**

This week I wanted to get started on the group’s GitHub repository so I organised it and created issues, label tags, milestones, project boards, as well as pages for the wiki. The formal goals for this sprint, specifically this week, was to get more research done and explore the tools/technologies that are currently used by DST. In particular, I looked into some of the combat management system user interfaces currently available. I found that a lot of them look outdated and I am not sure if that is because it is easier for officers to read from them that way or if the ones I have looked at are just older systems. Nonetheless, this research has given me some ideas on how our system should display information and maps.

I had a brief look into the Angular and React frameworks but found it hard to understand because of my limited experience with Javascript. This means that I will need to look at online tutorials on Javascript first to familiarise myself with the language.

Though I also wanted to get a start on the README file for GitHub, we discussed as a group that it would be a better idea to write this after we have a better interpretation of how the system will work and what it will be able to do. I also organised another group meeting this week to discuss each person’s progress so far and what we want to have done before the next client meeting.

1. **What will you do next week to help the development team meet the sprint goal?**

My focus for next week will be to start an online JavaScript course and practice some tutorials so that I can better familiarise myself with the language as I am not very confident with it. I’ll be working on the free course offered by Codecademy, which is what was recommended to me by my group member. Once I get more familiar with Javascript, I can then make more sense of the Angular and React frameworks. In my spare time, I want to also have a look at a Kafka tutorial that my group member also suggested, since this is what DST is currently using for their data stream to collect data from their sensors so it would be a good idea to look into it.

Our formal goals for next week are to continue with our research and study of technologies but also start focusing on writing some requirements. Therefore, before the client meeting, I will review a few research papers on other combat management systems that are currently being used so that I can come up with a few requirements for our system to discuss with my group. From there, we can refine it together and get clarification with the client. This is important because the project proposal due date is getting closer so we need to have a clear understanding of our system and what it should be able to do.

Before the meeting, I will also be preparing a slide structure for our presentation to discuss what we have done so far.

1. **Do you see any impediment that prevents you or the development team from meeting the sprint goal?**

The biggest problem I see my team encountering is not having enough time to meet all of our sprint goals. As we all have a lot of work due for other subjects during this sprint, we do not have as much time to put into studying and exploring the tools and technologies we are unfamiliar with. However, since we have split up the research, we will hopefully all be able to contribute and learn something new.

Date of report: 22/03/19