

Cancer Team 1

Bi-Weekly Report 2

Monday 24th October 2016

Team 35 Julien Nahum, Ben Hadfield, Sim Zi Jian

Overview

This week was mainly about consolidation. We had a rough overview of the project our client had in mind, but nothing specific, and certainly no solid requirements. So this week we held several meetings, some within Team 35, some across multiple PEACH teams and two with our client. The aim in all of these meetings was to generate a concrete set of functional and non-functional requirements and assign them to the appropriate PEACH teams. We also share the tasks among the team members: Ben is responsible for the scheduler, Sim for the workflow manager, and Julien for the jobs list. We'll all take care of the drag-and drop mechanism.

In addition, having had several weeks to get comfortable with the existing code, it was time to begin learning the technologies already in use (React.js, Node.js...).

The UI teams also began discussion on which frontend frameworks to use for the project.

Finally, we started to develop our website using python and the django framework.

Meetings

Friday 14th of October: Team 35, Team 36

This meeting took place at UCL. We asked the client about the technology that were going to be used. We defined the requirements for the project. We realized that some of the requirements were more likely to be done by the UI team.

Monday 17th of October: Team 35, team 36 and UI representative

This meeting took place at UCL. During this meeting, we shared the tasks and the requirements among UI Team, Team 35 and Team 36. We end up with the following tasks: Workflow manager, Forms, a Scheduler / diary, reminders, drag and drop mechanism to assign patients to different meetings, a job list.

Monday 17th of October: Team 35, Team 36, Navin Ramachandran

This meeting took place at UCLH. We presented to Navin the different requirements we identified and how we split them. We also used this meeting to ask him more questions about the different tasks we have.

Friday 21th of October: Team 35

This meeting took place at UCL. During this meeting we did split the different tasks between the team 35 members and start looking into node.js and React.js

Task Completed

- Produced requirements (functional & non-functional)
- Began learning key technologies
- Split up tasks within the team
- Began producing draft wireframes for our components

Plan

- Look into the different technologies: node.js, React.js
- Produce the wireframes of the tasks we are assigned to

Individual Section

Ben Hadfield

This week we held several meetings to try and generate a set of requirements from the information we had gotten from the client. We were careful to maintain communication with our client during this process to ensure the requirements we produced matched his vision of the project.

As the UI member of my team, I also engaged in discussions with the front-end team to discuss which front-end framework would best fit the project. We considered a range of frameworks, from Bootstrap to Angular, but we finally settled on React, because we felt it was more oriented towards building atomic components which could easily be reused across the application (which was a key client requirement).

Whilst I have used React before in other projects, I decided to research best practices for using it in a project of this scale. This led me to discover Redux, and after learning the basics, I suggested the advantages of using it to my teammates. Additionally, I have never used Node.js (a pre-existing technology in the project) and so I began a *Lynda.com* course to learn the framework.

Julien Nahum

During this period we had few meetings which allowed us to meet and talk more in depth with the teams we are going to work with (UI and team 36). We defined all the requirements and split them among the different teams. Then we reviewed our work

with Navin, making sure we understood well every aspect of project. He also shared with us useful resources for the project along with some guidelines.

I also went through the different repositories on gitLab in order to find out more details about the project. The main problem was that I had never use either node or React.js. That's why I'm gonna spend more this week working with these technologies.

Sim Zi Jian

This week, we (team 35, team 36 and UI) went into more detail about our tasks and requirements. A few meetings was required to split the tasks between the two Cancer teams and the UI team. Navin(our client) also shared us some design guides to be used by us in the project. After discussing through the various tools available to us, we've agreed on using ReactJS and Node.js as the language for our framework. I've used Javascript before, but not specifically ReactJS and Node.js, so this will be something new to me. We have also decided to split our group task among us, which makes it easier to focus our research on a specific aspect of the project. Also, I've started looking through the Gitlab repository to research the existing code made by last year's students as a guide for this project.