Peach Team 1

Bi-Weekly Report 6

Friday 27th January 2017

Team 35 Julien Nahum, Ben Hadfield, Sim Zi Jian

Overview

This week we were determined to work more consistently throughout the term, with the aim of reducing pressure on the project as the deadline approaches. We set up our repository on GitHub. This is distinct from the official GitLab repository because we wanted more control over the merging of code. Once we're happy with our prototype we plan to copy the repo over to GitLab.

We also began work on the prototype, with Julien beginning work on the Database and API endpoints we would need to connect the backend to the frontend. Ben and Sim both began working on the frontend components, with Ben taking the Jobs List and Sim working on the Scheduler.

We also had a discussion on the database software to use. Initially, we were going to use a NoSQL database, but we talked about the data we'd be handling and decided that a traditional SQL database would suite that data better.

Meetings

Wednesday 18th of January: Team 35

After receiving the email about the elevation pitch, we sat down and discussed about the slides we will produce. All our content for the pitch has to be compressed into three slides, so we had to decide on the importance of certain parts of our components. In this meeting, we successfully produced three slides regarding the components and a script to supplement the slides.

Friday 20th of January: Team 35

Meeting in the morning

We discussed with our TA regarding the project, and how we proceed with the implementation of the application. Also, we showed him the slides that we were about to present for an elevation pitch for the project later that afternoon. He thought that it was a bit

to focused on Peach, on not enough on the components we are responsible for. So we worked on it again in the morning to make it more appropriate.

He also gave us tips and guidance on how we should approach this project, and how we should try to adapt it as a standalone application instead of relying too much on the other subteams. He advised us to meet twice a week and code together. We thought that it was a great idea and decided to meet every Monday and Wednesday to do so.

Meeting in the afternoon (before presentation)

We met up to discuss about the various components that was required and to split them among ourselves. Also, we practised as a team for our elevation pitch and decided on what's more important to be presented to the client.

Wednesday 25th of January: Team 35 + Horatiu (team 36)

We met Horatiu of team 36 to discuss about the user types and permissions. He explained us that login will be made using Apache Shiro and permissions handled with Active directory.

After learning about team 36's framework, we then further discussed among ourselves the components we were creating, and also the structure of the database that we need to be connected to these components. We also set up another Electrode git repository for further testing of the components, and prepare our work by setting up different git branchs. We finally splitted the work among us: Ben is responsible for the react component of the Jobs list, Sim the scheduler one, and Julien the database and API for both.

Thursday 26th of January at UCLH: Team 35 and Navin

We met our client, Navin, at UCLH to discuss about a misunderstanding we had. He explained us that we wanted us to work on some forms and he detailed to us what the workflow includes.

Friday 27th of January: Team 35

We discussed with our TA regarding the requirements and the development of the app. He emphasized that this project should be approached as a standalone application, and that we should only worry about the integration of our components at the final stages of the project if possible. We also briefly met our client and he told us to make simple wireframes of the web application and discuss them with him.

Task Completed

- Prepare and present our elevation pitch
- Meeting with our TA

- In the afternoon of the same day we met to practice the presentation.
- Start coding our component, setup an electrode app and splitted the work
- Met Horatiu from team 36
- Met our client at UCLH
- We met our TA and worked on our report.

Plan

- Produce wireframes for the general workflow of the application
- Start the implementation of the components

Individual Section

Ben Hadfield

This week we set up our prototype repository on GitHub and split up our tasks. We each had an area we were more comfortable in, and this was taken into account. We then created a master and staging branch in the Git and from this each created our own branch to work on. This enabled us to monitor and control the merging of code.

I am working on the Job List. This React/Redux component will need to be linked up to the database. For this sprint I prepared the basic skeleton of the component, and set up Redux to split the Job List and Scheduler components onto different pages for ease of development and testing.

I did some research into the differences between SQL and NoSQL databases, and brought this up during one of our meetings. This discussion led us to change from MongoDB to MySQL. Additionally, I told Sim about a React component I had found which I thought would be useful during the development of his component: react-big-calendar. This component provides a lot of functionality and would enables us to build of a preconstructed calendar component - speeding up development time.

Julien Nahum

After we finished our video, we worked on the presentation. We presented our work to our TA who suggested us some slight changes to focus more on our part of the Peach project. This week we started the development of our application. We setup our git repository and created the needed branch to be efficient in our work. We did split the work, so I am responsible for the data storage and API. During our experiments I worked with mongoDB and created a small database with an API. After more reflexion we thought that an SQL database would be more suitable, so I looked into the use of SQL with node.js.

We also met Horatiu from team 36 to discuss about the user roles and permissions.

Thursday we met our client with Sim, to discuss about the workflow. He explained us the different steps, and ask us to do some wireframes of it so we can be sure of what he desires.

In the two coming weeks I am going to build the SQL API so that Sim and Ben can build their components upon it. I am also going to talk with someone responsible with the openEHR API to get more details on how to connect to the patient database. I will then be able to use Postman to get familiar with the API. By doing this, I will be able to help Ben and Sim on the front-end, to directly connect react with the confidential patient database.

Sim Zi Jian

A lot have been done since the last biweekly report was done. First of all, I researched a lot about React and how it could contribute to the development of our application. Some small experiments have also been made in React.

We then discussed with our client about the current requirements, and smoothen out any prior misunderstandings we had about the project. We also had some feedback and guidance from our TA regarding the project, helping us achieve progress through the development phase. I helped out Julien to make the slides for the elevation pitch.
We then made some arrangements on the components. I am in charge of the development of the scheduler. In the next week, Julien and I had a meeting with Navin, our client, and we discussed through the general workflow of the application. Our client requested that we make wireframes for the application, as the components may get quite complicated. The TA also gave some great suggestions and guidance for us to work on our project.

In the following weeks, I plan to further research Redux.This is because the concepts of Redux will help greatly in making sure the states can be easily passed among React objects, making it simpler to program changes made to the components via events.