

## Bi-Weekly Report #2

### Requirements and deliverables

- Coordinate with other PEACH teams to establish a common ground on an appropriate framework for the UI
- Research containers application to act as a template for current and future projects
- Create and update the design guide

Since our primary objective currently is to research and experiment with different technologies, it seemed illogical to implement the requirements in a MoSCoW format.

### Project Overview

Our team has started the development of a website that will be used as a storage of different sorts of code and documentation. As far as team 37 has understood the task, the aim is to have everyone contributing to this website where new components could be easily uploaded and shared across everyone else. Currently, we have been filling each page with necessary information and eliminating bugs in the code, as they appear. For instance, as we test every web-page on our devices and new bugs are discovered, we are adding them to a list accessible by each team-member.

### Team Management

In order to benefit from efficient team management and communication, we are constantly keeping in touch with each other by means of Whatsapp. Our client is, however, in favour of Ryver, so we use it for more formal discussions as new questions arise (while Whatsapp has rather informal style of chatting). Thus, this is also where we keep in contact with our client almost daily. We also meet our client weekly in the systems engineering lab sessions.

Furthermore, our team is using a free analog to Microsoft's Visual Studio, called Bitrix24, which is there to manage overall team work and assign new task. Nevertheless, it might be worth noting that we are still searching for a tool that will suit our purposes best, so we might switch to a different platform as well.

### Summary of meetings

*17/10/2016:*

There has a meeting for team 35-37 (Cancer team) to clarify teams' responsibilities and development strategies. Our discussions was concerned with the details of each ones' roles

in the project. The appointment had not included our client, however, Navin has been informed on the tasks everyone is assigned to do via a Google Drive document.

14/10/2016:

Our first second with the client, occurred during Friday lab session. Our main concern was about the whole system integration and the way our team is supposed to contribute along with the others. The meeting had clarified a lot of nuances as well as provided tasks to be done in the nearest time (which have been successfully accomplished by the time of writing this bi-weekly report).

21/10/2016:

Our third meeting with client took place during the Friday Lab session. It was here that a lot of our misunderstandings regarding the project were rectified. It was clearly set out what our initial goals and tasks as a team should be. These were to first establish a gitlab repository containing react-bootstrap components. This would be used to fill the component list on the UCLH design guide website. We also requested a copy of the current UCLH design guide's code so as to investigate as to whether these further developments could be built upon this pre-existing scaffolding. During this meeting and several Ryver discussions, there also seemed to be a consensus amongst the UI group (incorporating several Peach groups) that React-Bootstrap is the framework that is likely to be taken forward and used in development. However this remains subject to change. As suggested by Pablo Pazos, it would be a good idea to conduct experiments with several frameworks, comparing for example: speed, verbosity of code and ease of use.

## Tasks Completed & Schedule

Tasks Completed:

- Have set up temporary website for the design guide
  - <https://fenixisonfire.github.io/index.html>
  - Have ported over react-bootstrap components
  - Have documented a list of bugs we need to fix
- Learnt more about Bootstrap and React usage and implemented these in our website
- We also conducted research into Firepad and D3.js as we were instructed the previous week

Schedule:

- After setting up the design guide website, we had been focusing on major and minor fixes for the website

## Plan of action

We are to investigate the use of software containers for application development. We will look specifically at how feasible it would be to build a software container for the UCLH peach project. If it looks doable, we would report to the client and this would effectively pivot our role from the development of dashboards, to easing software creation for future UCLH Peach developers. For the next week, our client would like us to research and document the advantages and disadvantages of different frameworks for the UI and decide collectively on one framework to use. The two up for discussion are Angular and React. If we have spare time, we should also look into data representation techniques such as D3.js and alternatives such as Chart.js.

## Independent Work

Hai Xia

I mainly focused on everything to do with the design guide website as this was the priority our client set us the week before. I setup the website, ported over content from the react bootstrap website. I then showed our client the results, made necessary changes and made a list of future changes.

Connor Daly

I focused on relearning web development skills, crucial for front end. I also began learning to use bootstrap, creating a bootstrap project. I also handled client phone-calls and communication, and began discussion with other teams regarding the choice of framework.

Daniil Gannota

I focused on learning bootstrap, and dusting off my html and css skills. I was also heavily involved in communicating with the client so as to clarify as to what his requirements were.