

Team 41  
Bi-Weekly Report  
UCLH Peach & Microsoft : Tools

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Report 5: 02/12/2016 - 17/12/2016

## Overview

This week, we made a huge progress on our project. We wrapped up our website, put together documentation and finalised on our prototype. Regarding the website, we mainly focused on the Design and Prototyping sections. We expanded our experiment log and listed all the details about the experiment including screenshots of the UI and code snippets. In conclusion, we managed to successfully complete all the requirements outlined on the planning stage. We are ready to progress to development stage.

## Meetings

### Finalising Research and Background pages - 02/12/2016

We met our client, demonstrated sample UI and our design of the prototype. We confirmed with him the requirement one more time by showing him how our prototype is will work so that we are sure that we are on the right track. Also, we checked our website pages and realised that more details need to be added to the research and background pages. We added details of the development methodology we use to the website, together with references.

### Prototype Integration - 06/12/2016

In the second meeting, we communicated with each other to keep our team members updated. Nancy has been working on the content of the website was consistently updating it. German has been working on the XML parser and Angela has been working on the markup file generator. We decided to first work on them separately to ensure their reliability and only after it integrate them with each other.

Overall, we managed to integrate the system successfully and accordingly to requirements specified by our client.

### Finalising the website content - 11/12/2016

During the third meeting, our team decided to work on the Prototype page and the Experiment log since our prototype was done. However, we still refactored the code a bit to make it clearer for future use. Then we finished our Design page which has all of our architecture design including UML graphs and UI design illustrated by wireframes. We also created a storyboard, Gantt chart.

Secondly, we wrote a full description of each experiment in the Experiment log to clarify the processes. We took screenshots and added code to the description. For all the experiment, there is also a detailed description regarding the details of the experiment.

Finally, we conducted a series of final checks of our website and wrote a readme file for our project. This will be further updated in the future when the final product is developed.

## Tasks Completed

- Finalised Research and Background pages
- Finished the prototype
- Created wireframes, personas and UML graphs to the design
- Finalised the website
- Refracted the code and added the final prototype to Github

## Progress overview

Overall, we are very satisfied with the results we achieved: we produced an appealing-looking and informative website and produced a detailed prototype of the future system.

## Issues highlighted

- We will still have to rework our documentation while developing the final product.
- We had difficulties configuring to access EhrScape backend system. The some unreliable behaviour was demonstrated by this system.

## Plan for the next week

We will start building on the final version based on our planning and prototype. We will have to split the work between three of us and assigning UI, backend algorithm and API development for each of us to focus on. We will be researching in the meantime as well, as there are a lot to learn for producing the final product. We definitely need to learn more about ReactJS and APIs.

## Team members

### German

Work throughout the last two weeks was really intense as we were moving towards our first major deadline. I had a variety of tasks assigned to me. First of all, as a Tech Lead, I focused on organising development process of the prototype. I carefully assessed abilities of each team member and selected a suitable prototype part for them to develop. This was successful and facilitated delivery of the prototype in a timely manner.

Secondly, I took part in developing of almost every section of our website, including research, experiment log and design. The latter was my main focus as a detailed design outline is essential to developing a robust system.

Overall, I am very happy with the progress of our team.

## **Nancy**

During the last two weeks, I was in charged of finalising the website and the contents supplied by my teammate. I did research regarding the API Calls in Javascript and coded basic functions of performing API Calls. However, it didn't manage to connect to the EhrScape Backend. Our team get the website done and we managed to meet all the requirements for the website, completed our planning stage and ready for the coding process.

Overall, I very happy with my team. I feel that we are very dedicated to this project, and everyone is very supportive of each other.

## **Angela**

Over the past two weeks, I coded the markup file generator by using javascript. I also coded a really simple UI for testing the prototype using html/css. For the website, I wrote about some of the experiments that we did and did a few experiments based on the experiment log. I drew about the UML and wrote a little bit content for the design page and prototype page. I also wrote a basic template of the readme file for our project.

In general, I am very positive about the way our team works.