

# Atos Mentor Matching

## Biweekly Report 2, 28<sup>th</sup> of October 2016

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### Overview

Over the last two weeks, we focused more on researching techniques and ideas to approach the app and come up with a feasible solution. Research was done on the match making algorithm to find the best possible way to pair mentors and mentees and discussions on which frameworks to use were also raised. A few of the frameworks mentioned were Ruby on Rails, AngularJS for front-end and NodeJs for backend.

We arranged another meeting with our client, Jane. Jane had previously followed up with us after our first meeting, finalising the requirements for the app. She also sent us a few documents regarding the mentorship programs (i.e mentor user profile templates, mentor guidelines) which will help us understand more about the program and aid in further development. Also in her email, Jane gave us an example explaining the mentor/mentee matching process which gave us a better idea of how the process works.

### Meetings To Date

**Supervisor Meeting 1, 24<sup>th</sup> of October 2016** — During the first meeting with our supervisor, we introduced each other and gave a quick brief of our project. She also gave some advice on how to manage the project and how to write the project outline.

**Team Meeting 3, 26<sup>th</sup> of October 2016** — We discussed how to manage the project website; at first Harry built a website by using Bootstrap and Less. But later Matt suggested using Jekyll to build a static website which is much easier to maintain. We also discussed the technology stack we'll use for the app, and also shared possible system designs.

**Client Meeting 2, 27<sup>th</sup> of October 2016** — This was a quick Skype call to finalize requirements. The discussion was more focussed on the process of matching mentors with mentees and also the criteria that current mentees use when finding mentors. Finally, cleared some outstanding confusion regarding the general structure of the app (eg. the different constraints that different mentorship programs may have).

### Completed Tasks

Since the previous report, these are the tasks that have been completed:

- Create the website for our project (<http://students.cs.ucl.ac.uk/2016/group19/>)
- Research existing apps, e.g. Momo, Mentor Match
- Create initial sketches of user interface
- Formalise project requirements
- Arrange meeting with another client (Mike) for technical side requirements
- Create entity-relationship diagram

## **Chris' Progress**

For this two weeks I managed most of the communication with the client and arrange meetings. I also made some notes on the recent meeting with our Client. I also managed pull a working version of the project site and will be working on assisting Matt to add some content.

## **Harry's Progress**

Figure out the first verison of team website(by Bootstrap) and continue working on user interface design.Did the bi-weekly report also take some research of existing systems.

## **Matt's Progress**

At the start of the fortnight, I formalised the requirements for the project and sent them off to the client; I also acquired a virtual server from our department and set it up for development. Then, I set up a basic static site using the Jekyll framework and have started adding content to it. The nature of the site means that we can very quickly add new content to it without having to touch any HTML code. Also, I have been sketching some system architecture designs (e.g., user authentication API, entity-relation diagram), and have been researching the software stack that we should use. Finally, I worked on a first possible matching algorithm that would suggest the three most suitable mentors to each mentee so that they can be ranked in order of preference.

## **Problems To Resolve**

We're not currently experiencing any problems.

## **Plan For The Next Two Weeks**

Over the next two weeks we will be focusing on the following activities:

- Complete documentation on website and add team bios
- Develop an R&D experiments logging tool as a web app
- Add theme to website
- Formalise architecture design and UI design
- Create project outline and present to supervisor and client for approval
- Create end user stories (mentor and mentee)
- Present research findings to client

Our Kanban board can be accessed here:

<https://trello.com/invite/b/KLcBmb5x/e4a703f76d5b9ab02cae55afed153ffb/syseng>