

# Atos Mentor Matching

## Biweekly Report 8, 10<sup>th</sup> of March 2017

Christopher Lau • Harry Chen • Matthew Bell

---

### Overview

Over the past two weeks, both the webapp and server have been under steady development. On the backend, OAuth scoping has been implemented, meaning that APIs can only use the endpoints they register for when the user signs up. This has been used retroactively to harden the security of the /user/ endpoints, meaning that only staff may perform destructive operations. Additionally, the /programme/ endpoint has been created, allowing for operations pertaining to mentorship programmes, and will later form the basis for the multiple cohorts/classes a programme may have. The cohorts are currently being developed and tested, in line with the test-driven development policy of the backend development.

On the front end side, we added functionalities to the login page and register page, the app is successfully connected to the back end server now, users could register and login their own account. Also for the register program page, we modified design and made it more user-friendly, all the data are binded, once the programme endpoint in back-end ready user could register the mentor programme they want. Furthermore, we added a lot of UI components, the app now looks much better.

### Meetings To Date

- **Team Meeting (2017/03/01):** In this meeting, we met with each other to debug problems with integrating our backend with the webapp. Since we're following a policy of continuous integration, we aim to have our project integrated as early as possible to minimize any issues towards the end of the project. Matt demonstrated how to use OAuth2.0 to authenticate users on the server, as well as fixing problems with CORS.
- **Team Meeting (2017/03/08):** In this meeting, we met to present a progress report to Dr Yun Fu, and we worked together to debug further problems with access control.

### Completed Tasks

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

- Fixed CORS headers so that the client can communicate with the server
- Add OAuth scoping to the /user/ endpoints
- Add /programme/ endpoints
- Create tests for OAuth-protected endpoints
- Write unit tests for the Cohort model and serializer
- Authentication (register and login account) succeeded.
- UI improved.
- Register program page finished

## Chris' Progerss

For the last two weeks, I have been working on completing the UI design for the whole web application. I have been constantly adding different UI components and also worked on improving user interaction by writing AngularJS directives to make the UI components interactive. Also I have written controllers for the profile page which binds user data obtained from the backend so that data of the currently logged in user can be displayed.

## Harry's Progress

Last two weeks I continued working on the front-end side. I successfully connected the front end Auth part to the backend side, include user account register and login. Also I figured out the data model for register program. Other small changes include modifying home pages, added search boxes and functionalities, and research for uploading pictures in the front-end.

## Matt's Progress

I worked exclusively on the server side again, implementing various model endpoints as well as ensuring that all endpoints are well tested. Our build system was given a nice test when I merged two branches into master and deployed them to the server, and has been successful so far— no failed builds have ever been pushed into the master branch. I also helped to debug issues with the webapp reaching the server, an issue caused by Chrome's Cross-Origin Resource Sharing policies.

## Plan For The Next Two Weeks

- Finish implementing the Cohort model, and implement the Candidate and Mentorship models.
- Create endpoints for above models.
- Write documentation for the models.
- Write helpers to deal with image uploading and storage.
- Implement matching endpoint
- Add functionalities to profile page and allow users to modify their profile.

---

## Keeping Up With The Project

To complement these biweekly reports, you can also view these pages:

Project site: <http://students.cs.ucl.ac.uk/2016/group19/>

Code repository: <https://github.com/mbellgb/syseng19-code>

Documentation: <https://github.com/mbellgb/syseng19-docs>