

# Atos Mentor Matching

## Biweekly Report 6, 10<sup>th</sup> of February 2017

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### Overview

The primary focus of the past two weeks was to begin development of the API and webapp, as well as setting up development tools to aid integration and testing as development progresses. We also spent some time to touch base with our client.

### Meetings To Date

- **Supervisor Meeting (2017/02/03):** The meeting involved updating our supervisor regarding the progress that we have made so far in terms of development and receiving feedback on things we could improve on. Our supervisor also gave us suggestions on how we could prepare for our final presentation which was in early April. We agreed that we could prepare short presentation slides prior to every supervisor meeting illustrating our progress so that our supervisor could give feedback that would contribute to our final presentation.
- **Client Meeting (2017/02/08):** This was a brief meeting to update our client regarding our progress and also discuss about the project website and prototype design. Overall, the client was satisfied with the documentation that the project website contained and was happy with our prototype design. Our client also mentioned that she will be sending us the dates for which she will be in London so that we could arrange a face to face meeting with her later towards the end of the month.

### Completed Tasks

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

- Webapp routing added.
- Research of token based authentication.
- Front-end templates for the home page and user profile page which are to be integrated with user authentication when it is complete.
- Set up test server. (<https://api.dev.mbell.me>)
- First version of API documentation created.
- Set up continuous integration and unit testing harness.
- Server-side data models created and initial database migrations added.

### Chris' Progerss

For the past two weeks, I was working on creating templates and wireframes for the homepage and user profile page using ionic UI components and AngularJS. These templates will be integrated with the backend once the user authentication portion of REST API is complete. I was also working on improving the overall UI design of the web app such as cleaning up the appearance of the side

menu and fixed some of the routing issues that the web app contained. Besides that, I continued to manage communication with the client by arranging meetings with her and keeping her up to date with our progress.

## Harry's Progress

These two weeks I'm working on the user authentication. After talking with Matt we decided to use token instead of session and cookies. Then I took a research of the local storage in ionic app, import and use the module ngstorage. The controllers and services for authentication are almost done but there are still some problems need to be solved. By the way I solved all the routing inside the app, also set up the default page to login page.

## Matt's Progress

These past two weeks, I have been incredibly busy completing some further devops tasks, as well as working on the API to set up our "CRUD" (Create, Read, Update, Destroy) and user authentication endpoints. Firstly, I have acquired a DigitalOcean VPS and configured it to run Django safely and securely. I then created a remote Git repository on the server as well as some Git-hooks which deploy any code pushed to that remote. Next, I set up HTTPS on the server using Let's Encrypt, meaning that any traffic to/from the server is encrypted from third parties. I then created some basic unit tests for the code so far, added a config file, and set up Travis CI so that our code is staged, tested and then deployed to our test server automatically, thus enabling us to stick to the Agile methodology a lot closer than otherwise, as well as ensuring code is always well-tested. We're using Test-Driven Development (TDD) for the server code, meaning that tests are written before we write the actual application code. Finally, in terms of the code itself, I have successfully transferred models from the UML diagrams made earlier into Django data models, and have successfully migrated these into staging databases both locally and on the test server. The next steps are to set up user authentication so that we can start integrating the web app with the API.

## Plan For The Next Two Weeks

- Finish the user authentication in front-end side.
  - Continue working to improve the user interface design and integrate the front-end with the backend REST API.
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## 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>