

Bi-weekly Team Report 10 - 24th March 2016

IBM1 - TEAM 10

- Jasmine Lu | Team Leader
- Ivan Jasjko
- Darian Sastre-Stanescu

Our Client

- Mr. Tahir Khan
- Mrs. Sarah Frodsham
- Mr. Chris D'Arcy

Past meetings

- Tuesday 13th October 09:00 - 09:30 (conference call)
- Friday 23rd October 15.15-16.00 (meeting at UCL)
- Friday 27th November 14.00-15.00 (meeting at UCL)
- Tuesday 26th January 2016 14.00-14.15 (conference call)
- Friday 18th March 2016 13.00-14.00 (meeting at UCL)

Project Progress

Mobile application (iOS)

We have successfully integrated the app with the PostgreSQL database, and the next step is to deploy a PHP server on Bluemix. After that, we will connect the app to the Prediction.io engine, by making REST request with the login data. After that, we will add the Socket.io framework to enable direct communication to an Express server.

Web App (Django)

The Django app has been mostly finished. We now have to add styling, encrypt the user passwords using OAuth, and add integration with the Socket.io framework. Also, we have to write our own server to handle the token requests and Push notifications when prompting the mobile app to log in when using the web interface.

Prediction Engine

The engine has been finished, and now several parameters have to be tweaked to increase the accuracy of predictions. In addition to that, a cron job has to be set up in order to instruct the engine to

train with the new data after every query made from the mobile app. In the end, a regularised One class Support Vector Machine with a Gaussian kernel has been user as the algorithm.