

# Bi-weekly Team Report 7 - 22nd February 2016

## IBM1 - TEAM 10

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

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### Our Client

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

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### 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)

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### Project Progress

#### Mobile application (iOS)

The front end for the iOS mobile app are complete; this includes the set up for when the customer uses the app for the first time, in which they will have to confirm their phone number and password and also the option to set up fingerprint access for the future, if available on their device.

#### Web application

For the web application, the front end is also in progress, built using the Django framework, which should be complete by the end of the week. The backend requires more research in order to be implemented in a compatible state with the mobile application.

The next steps with the mobile application and web application will be to integrate the two systems, so that they can refer to the backend, which includes the user database. This database will be used to verify the user login if the password option is used. Following this step, we will then set up the notification server for the mobile app.

## **Prediction Engine**

The machine learning model has been implemented in Microsoft Azure Machine Learning studio for testing and training purposes. Multiple ML algorithms are being tested on hand built datasets. We are currently working on improving accuracy and the speed of the algorithm.

## **Other developments**

In parallel, we are looking how to integrate IBM in our workflow, especially for the Python web app. We might also change the and implement web service predictive engine with the integrated cognitive Watson services.