**ATOS 4 group (Social media):**

**Andreas Mihaloianis, Momshad Alvee Dinuri, Chaitanya Agrawal**

**14.11.2014**

**Overview:**

During the last three weeks, we were assigned the task of designing the wireframe for the main screen for the app and manually label the tweets test data as good,bad and neutral. For designing the UI main page,we decided to start with a sketch (which was made by Andreas) after which Alvee modified it. The sketch went from one member of the team to another several times until everyone was satisfied. We updated it further more after obtaining feedback from the client. Tagging the tweets was easy. We decided for each team member to label 50 tweets as good, bad and neutral. A choice on the fields being pulled from the Twitter API to be used for twitter analysis was also made. The UI main page has been hard-coded in HTML5 as well. We are happy with the development of the project. The client has also shared the same emotion. This emphasizes the fact that we did not find anything particularly hard to do.

**Summary of meetings held:**

There was a meeting with the client on November 7, 2014. It highlighted updating the client with our progress and obtaining his appreciation. The client suggested us to represent the UI main page as a HTML5  webpage. The team members were in constant contact on social media website Facebook and tracked progress on there every two days.

**List of tasks completed and estimations:**

Labelling tweets as good, bad and neutral has been done by each team member. The creation of the Twitter Analysis UI main page got completed in an iterative manner. The specific fields to be pulled from the Twitter API are chosen to be created\_at, text and location for now. The Twitter Analysis main page UI has been developed into a webpage using HTML 5 and CSS. All the requirements laid out for this sprint by the client have been successfully completed and so we are making consistent progress.

**Plan for next two weeks:**

Our client has asked us to demonstrate a hard-coded preview of the Twitter analysis UI main page. The application will not be pulling data from a live stream and will rather have all the data stored. The point of this exercise is to complete the front-end development and later link it with the actual Twitter Streaming API. We will also start working on the algorithm that classifies a given tweet as good, bad or neutral. Initially, existing frameworks built for classification problems will be used to experiment and later on we will translate these findings to a custom algorithm to help improve the accuracy of the system. The next client meeting is on November 18,2014 where further development of the project will be discussed.

**Individual Paragraphs:**

**Andreas:**

To fulfil the responsibilities of a group leader, I maintained constant contact with both the client and team members over the last three weeks. I conducted meeting with the client to express team opinions and track progress. I brainstormed to produce a sketch of the UI main page and kept iterating to produce a good final result. Another task for this sprint was to tag fifty tweets from the tweets test data as good, bad and neutral. During the meeting on November 7,2014 , the client presented two options on developing the project for the upcoming two weeks. I suggested the option of building an actual HTML5 webpage to represent wireframe for the UI main page. I did not find any of the work overwhelming so am happy with the progress so far.

**Momshad:**

I labelled the first fifty tweets from the tweets test data as good, bad and neutral. The point of labelling the tweets is to have a training set for the algortihm that we are going to create. The algorithm will be trained using these tweets and later will be tested using a different dataset of labelled tweets. I personally read about algorithms and frameworks that could potentially help the team to achieve the classification required from this system. We will need to start experimenting with the most popular algorithms to see which one of them gives the best result suited to our needs.

**Chaitanya:**

I labelled fifty tweets from the tweets test data as good, bad and neutral. These labelled tweets will serve as the test data for the creation of our Natural Language Processing algorithm. The client also asked us to identify what fields other than just the tweet text could be pulled from the Twitter API. Although these fields are a lot in number, only a few are relavant to the project requirements for now. These include created\_at, text and location. After the client meeting on November 7,2014 , the creation of a HTML5 webpage to represent Twitter Analysis UI main page was decided. It has been successfully completed by me.