Feed Enrichment Component Documentation v1

*Purpose of component*

This component must satisfy the requirements of the retrieval of tweets and enrichment of those tweets using suitable algorithms to infer the reputation dimension, sentiment and other possible attributes before storage in the database.

*Design*

As there is the possibility of several models being created, it is necessary for the component to dynamically load each model. Therefore, each model will be stored in a file within a folder called models.

The component will check the folder and create a classifier for each model then store in an ArrayList (or another suitable data structure).

As each tweet is received from the Twitter platform, the component will iterate through the list of classifiers, enriching the tweet with new attributes at each stage.

Following enrichment, the enriched tweet will be stored in the database.

*Testing*

TBC