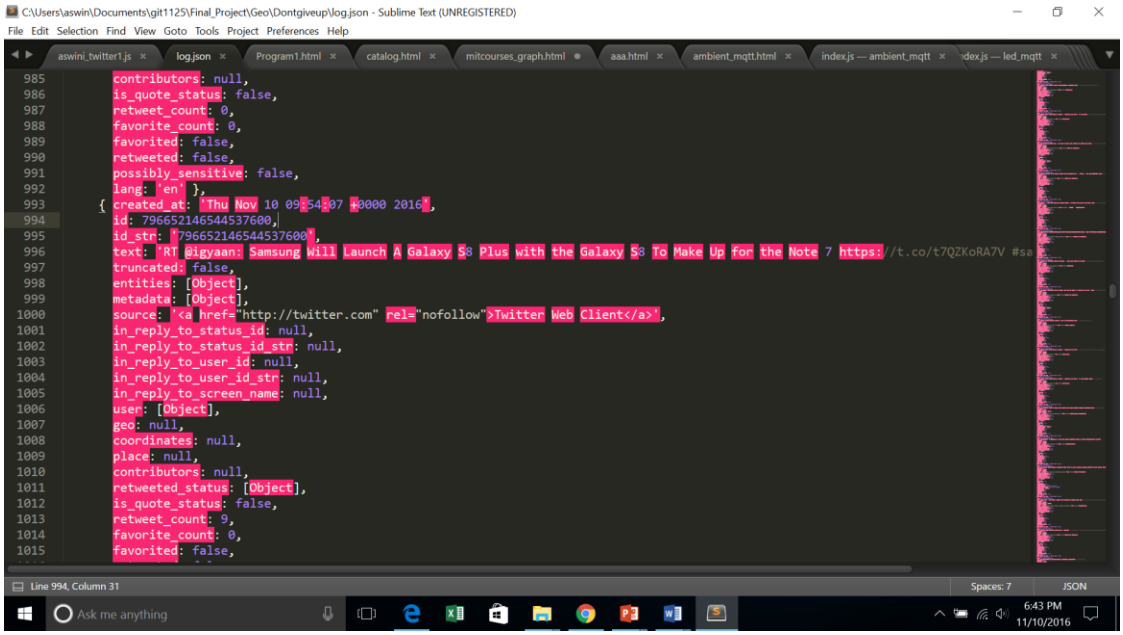
1.125 Arch & Engineering Software Systems
Term Project Assignment

Deliverable #1
Due Date:
Thursday, Nov 10th, 2016

Team:
Aswini Narayana Prasad and Shweta Jindal

Technology Demonstrations

- In general these reviews are available in different platform but these data are large in volume and often contradictory and subjective too. Hence respective API packages are used to extract data.
    - API created and data extracted successfully using npm package 'Tweet'. All tweets related to 'Samsung' was extracted and stored as json file.



Later this dataset is cleaned and relevant reviews are extracted using Javascript. These codes are added to the filename 'Codeartifacts.pdf'.

- Machine learning is used to make meaningful conclusion from these review data. Accordingly, based on the data collected from the social media, sentiment analysis is done

on these reviews based on the semantic structures of these sentences and then tagged as positive/negative/neutral using classification methods followed by linear regression or similar techniques. Current plan is to use the statistical packages in R

- Data visualization using Javascript is done to show the overall trend.