

Sentiment Analysis

G00385433 Submission for OOP Module

The menu below shows options available:

```
*****  
*      ATU - Dept. of Computer Science & Applied Physics      *  
*                                                                *  
*      Virtual Threaded Sentiment Analyser                    *  
*                                                                *  
*****  
(1) Specify a Text File  
(2) Specify a URL  
(3) Specify an Output File (default: ./out.txt)  
(4) Configure Lexicons  
(5) Execute, Analyse and Report  
(?) Optional Extras...  
(?) Quit  
[1;90mSelect Option [1-4]>  
Please choose from above list :
```

1. The user must input a file path to a text file that contains all the tweets.
2. The user must input an int URL that points to the line number of the tweet in the file specified in option 1.
3. The user must input the path to the output file that the sentiment analysis will be printed to. the Default path is out.txt.
4. The user must input a path to the specified lexicons file.
5. This function creates two hashmaps of the lexicon and twitter file data. it then picks the tweet specified by the user and calculates the sentiment - after the two threads are finished it

appends the tweet and the sentiment analysis to the output file defined at option 3 above.

7. Quit - the program is excited.