Sprint Increment Report

**Client/Sponsor: Dr. Spero Tsindos**

**Academic Supervisor: Dr. Julein**

**Team:** CEQuery

**Team Members:**

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Dear Dr. Spero,

We look forward to reporting the progress of this sprint. We have captured the following points to update you on how things are going and if we have encountered any hurdles in our execution.

In this recent sprint we finalized the display charts and improved as well as we made improvements to the GUI such as login and show result page. The integration between the segments is done and the result of the input file can be seen in the display chart dividing in positive and negative section. Words processing was performed in order to make the words simpler for the algorithm to distinguish but during the vectorization process which will be used to categorize the words in sub domains we encountered an issue due to which we were unable to complete vectorization is node js for that purpose we started using python as python provides such library which can be used for vectorization and later on the file can be included in the node js.

Simultaneously we will try to keep on tidying the code and working on some graphical improvements so the next team who will take on this project will have an easy time.

**Outcome(s) of this Sprint:**

During this sprint we have completed the improvisation of the display result page, the charts were improvised and there were other improvements made to the GUI as far as alignments and touch ups go to make the website more professional. We have also integrated the individual segments and the software generates and displays the result from the input file which displays the negative and positive words.

But for the categorization in sub domains we encountered an issue with node js library to overcome that we researched, discussed and then we opted to choose python to do the vectorization which then can be imported using node js and the software will be complete.

**Activities this Sprint:**

* Integration of segments (Interface, database, backend) done
* Weekly team meeting to gather new notions and understand how to improvise the application and division of next tasks
* Upskilling in accordance with input to be given in the project.
* Research on python library for vectorization
* Display chart improvement and finalization

**Activities that will occur next Sprint:**

* Categorizing of comments in domains and sub domains
* Integration of front and back end after completing the categorization part.
* Improvisation of front end (more interactive and professional) for instance the Sign up page and the show result page
* Completion of vectorization using python
* Weekly meeting with the supervisor and team to discuss progress and set new tasks for next meeting
* Upskilling if required in accordance with the tasks of the project (python).
* Any other ideas which can be added or integrated in the project to make it even more efficient.

**Propose Amendments to Scope:**

We are adding a python file in which we will use certain methods to complete the comments vectorization which will be used to categorize the comments in the sub domain.

Please let us know if you have any questions.

Sincerely,

Team *CEQuery*