

Progress Report

Team name: Team Alpha

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Github repo: <https://github.com/johananisaac/CourseProject410>

Completed tasks:

We spent some time learning and researching how to create our own Chrome extension including setting up a name, uploading the icon, etc. We also invested much time refreshing the languages and tools used for front-end design. We created our base extension and designed a user interface using HTML, JavaScript, and CSS. We enabled the YouTube API and wrote JavaScript code to request the comments from a YouTube video and process them into a structure that is easy to work with.

Pending/remaining tasks:

We still have to apply a ranking function to the data and implement the search functionality. We are yet to preprocess queries and comments to support searching. Eventually, we will create a test set of sample comments and queries so that we may evaluate our system. After we finish our program, we will document our code and create a presentation video.

Challenges:

We have some challenges and issues on processing comment data in Python as Chrome plugins are created using HTML, JavaScript and CSS. We can always extract comment data and store it in Python, but we are not sure how to send our result back to the Chrome extension. Therefore, we will spend some time researching if we can apply the ranking functions in JavaScript or otherwise find a way to import Python code to JavaScript.