Date of the meeting: Sep 25th, 2022
Note taker: Zixiao Ren
Discussions we had today:
Team members' self-intro:
- Zixiao Ren
    - 4th year CS specialist at UTSC
    - 4-month work experience at Tencent as an automated test developer
    - 8-month work experience at the National Bank of Canada as a software developer(developed an internal website using React)
    - Took CSC309 before. Have experience in React Express, Mongodb, and Heroku
- Qiming Ye:
    - 4th year CS specialist at UTSG
    - 4-month internship in a startup last summer (familiar with full stack development)
    - Took CSC309 before. Have experience in React Express, Mongodb, and Heroku
- Ziyue Gong
    - 4th year CS specialist at UTSC
    - Currently working at the Ministry of Education as a software developer
    - Took CSCC01 before. Have experience in React and Mongodb
    - Took CSCC11 before. Familiar with machine learning

Brainstorm the ideas for the project:
- Stock Analysis Tool
    - A website that analyzes the stock from different perspectives. For example, finding what stock has the most growth potential, finding the most growth potential categories(energy, healthcare, industrial...), etc.
    - Pros:
        - Ziyue has experience in machine learning. She could work on the stock analysis algorithm
        - It has a good market prospect if this tool can be developed to provide very accurate stock data analysis
    - Cons:
        - Too many stocks in the current stock market. The database would be too large to be managed as a course project if we add all the stocks in the world into the database. If we don't include all the stocks, then the data analysis result might not be accurate.
- Youtube Analysis Tool
    - A website that could help people, especially YouTubers, to analyze how to create a popular youtube channel. The user would need to provide a channelId to the website and the website would all the channel information including channel title, channel description, playlists, videos, etc. The most important part is that it would help the user to find what are the keywords they can put into the video title and description to catch people's eyes. The keywords are generated based on the previously published popular videos on this channel.
    - Pros:

- - All kinds of data we need for analysis could be easily obtained from Youtube APIs. This could increase the accuracy of the analysis since all the data are real-time data.
    - All of our teammates have experience using APIs in javascript, which would save us time in figuring out how to get our data.
  - Cons:
    - Ziyue has no experience in using external APIs
    - Maybe we won't have can't get much data from Youtube APIs.

Decisions we made today:

We decide to choose to create Stock Analysis Tool as our project since we found that we can't get much data for us to analyze from Youtube APIs.

Next plan:

Create a GitHub repo for the project and think about more detailed features of the tool.