

## Meeting Note 1: Second Meeting: Nov, 13th

What did you work on? Past work?

1. Finished Assignment 2
2. Documentation: Zixiao
3. Record Meeting Note: Austin

Plans:

a. Austin:

- i. Design algorithm for word appearing times in string. (recommendation for playlist title and description)

Note: Some words are meaningless such as "a", "the", "I", "is" ....

So we should not count them

b. Zixiao:

- i. Designed algorithm for recommended keywords for video title and description based on the favorite count, like count, view count, and comment count

Decision making:

1. The frontend of keyword tables is almost the same. The recommendation algorithm for the playlist keywords is also easy to be done since it only calculates the frequency of the keyword that appeared in the previous playlist titles/descriptions. Hence to balance the workload, these tasks plus the add-on feature were assigned to Qiming, and the recommendation algorithm for the video keywords was assigned to Zixiao.
2. The frontend design for features 1-4 needs to be changed. The original design in A2 was that the keyword table and the info table should be shown on separate pages. There should be several buttons for redirections on the channel page. However, we found that it is not necessary to split these tables into different pages. If we add the keyword tables to the playlist and video list info pages, it would not only be easier for the user to find all the information all at once but also reduce the complexity of our code.
3. The recommendation algorithm design also needs to be changed. The original idea was that we use the same way as how we calculate the keyword for the video title/description to calculate the playlist keyword. However, we found that the Youtube API does not allow us to get all the video information within a playlist directly. This means that if we want to know how popular a playlist is based on the popularity of the videos of that playlist, the number of times we call the Youtube API would exponentially increase. Hence, we decided to calculate the keyword based on the frequency at which it appeared in the previous playlist title/description.

## Meeting Note 2: Second Meeting: Dec, 2th

What did you work on? Past work?

1. Coding:
  - a. Austin:
    - i. Finished algorithm design and all features for milestones 2 and 3, which related to the string appearance times algorithm. And also sort function for both playlist and video list pages
    - ii. Figure out how to deploy after Heroku started charging for Dynos
  - b. Zixiao:
    - i. Optimize the keyword recommendation algorithm for video titlesTried her best to fix the “NaN” issue and minimize the loading time.
2. Documentation: Zixiao
3. Record Meeting Note: Austin

Plans:

1. Test and deployment:
  - a. Both:
    - i. Research on why Github Actions report errors on tests but local tests work fine. This situation does not appear in assignment 2.
    - ii. Prepare for the final presentation

## Meeting Note 3: Third Meeting: Dec, 4th

What did you work on? Past work?

- a. Austin:
  - i. Solve tests not passed on Github Actions issue by changing the node version to node 18 rather than node 16
- b. Zixiao:
  - i. Worked on the slides for the final presentation
2. Documentation: Zixiao
3. Record Meeting Note: Austin