

Meeting Note 4: A2 Second Meeting: Nov, 2nd

What did you work on? Past work?

1. Frontend
 - a. Austin:
 - i. Finished implementing the navigation bar
 - b. Zixiao:
 - i. Finished implementing a search box, filter box, and page about Youtube playlists
2. Backend
 - a. Austin:
 - i. Finished the 3 APIs for Youtube channel/playlists/videos
3. Documentation: Zixiao (Started working, but not finished yet)
4. Record Meeting Note: Austin

What will you do next? Decisions and plans?

Frontend Coding Structure:

Since Zixiao was the one that worked on the info page first, she wrote the playlist info page as a React function and imported the function to the home page for data transmission and page redirection. The initial frontend coding structure design was that after the home page gets the user input from the search bar, it calls all 3 backend APIs to get the channel, playlist, and video information just once and sends it to each component when the redirection happens. However, since Austin is more familiar with React class components instead of function components, all the pages would be written as class components. Also, in order to separate the responsibility, the home page would not need to call all 3 backend APIs after getting the user input. The only responsibility of the home page is getting the user input and doing the redirection. After the page has been redirected to the info page, the info page would need to call the corresponding backend API to get the information.

Frontend UI Design:

Since there would be too much information shown on the same page if a channel has published many playlists or videos, we decide to add a “show more” and “show less” button at the end of the playlist and video info tables. Also, in the original design, there was a dropdown menu for sorting the information at the top of the playlist and video info tables. However, we found that sorting the information is not in our original design. In order to save more time for other features, we decided to remove the dropdown menu.

Plans:

1. Frontend

a. Austin:

- i. Remove and optimize the logic of some buttons since some buttons of the navigation bar do not seem to work well in UI logic. (deadline: Nov, 5th)
- ii. Use React-Router to create multiple pages (deadline: Nov, 5th)
- iii. Build pages about Youtube channel/videos (deadline: Nov, 5th)

b. Zixiao:

- i. Remove the dropdown menu (deadline: Nov, 5th)
- ii. Connect Youtube playlist page to multiple pages router structure (deadline: Nov, 5th)

2. Backend

a. Austin:

- i. Obtain more data from Youtube videos API since the original API only gets basic video information and cannot obtain data such as view count, like count and comment count. These data are important for the next milestones/assignment (deadline: Nov, 5th)

3. Test:

a. Austin:

- i. Build tests for Youtube channel/videos (deadline: Nov, 5th)

b. Zixiao:

- i. Build tests for Youtube playlists (deadline: Nov, 5th)