

## Sep 24, 2024 | CSC301 Meeting 1

Attendees:

Katarina, Jihyuk, Mark, David, Victor, Matthew, Jeff

Questions:

☒ ~~Do you have any thoughts on the use cases?~~

- As a user, I want to **see and choose from a wide range of topics on the home page** in order to **browse publications under a specific topic**.
- As an expert in my field, I want to be able to **see the most recent publications** within a topic to **stay up to date about the latest findings for a specific topic**.
- As an expert in my field, I want to be able to **search specific topics** in order to **find publications/articles within a topic**.
- As a user, I want to **filter within topics by keyword** in order to **retrieve publications/articles related to the keyword**.
- As a user, I want to be able to **exclude specific publications/articles by keyword** in order to **find what I am looking for faster by excluding publications/articles that are irrelevant to me**.
- As a user, I want to **filter for a specific data range** in order to **adjust the recency of articles that I would like to read**.
- As a user, I want to **sort by shares in a topic** in order to **see what articles are getting a lot of traction in the scientific community within a specific topic**.

☒ ~~Do you have any thoughts on the [mockup](#)?~~

☐ What coding standards and guidelines do you have in place?

☐ What IP (intellectual property) terms do you have in place?

1. You can share the software and the code freely with anyone with or without a license, regardless of domain, for any use.
2. You can upload the code to GitHub or other similar publicly available domains.
3. You will only share the code under an open-source license with the partner but agree to not distribute it in any way to any other entity or individual.
4. You will share the code under an open-source license and distribute it as you wish but only the partner can access the system deployed during the course.
5. You will only reference the work you did in your resume, interviews, etc. You agree to not share the code or software in any capacity with anyone unless your partner has agreed to it.

Notes

- Publishing companies want to charge money for preprints, and tried to crush preprint servers since they want to monetize it. A lot of people put their stuff on BioRxiv for everyone to see. Some articles 20-30% don't get put on BioRxiv (only published). PubMed tried to put BioRxiv preprints from only companies funded by the US gov. In the middle of a transition to BioRxiv and Arxiv. About 80% gets published from BioRxiv eventually.
- No recommended twitter feed sort of situation.
- Katarina: BioRxiv has a feature that shows how many shares there are on a paper, we can use that attribute for one of the sorting methods.
- Biomedical researchers are our main users. These are people who are senior in the field and know the current research field.
- Search within topic by keywords within a topic.
- Don't focus on naive user (get rid of second and last use cases).
- Look up the average time to publication. Suggests its likely around 6 months.
- Katarina: maybe we can add a filter on time frame (2 weeks, 1 month, 6 months).
- Statically deploy website every hour. Backend will query the websites, frontend will grab info from the backend using an API.
- The lab doesn't use frameworks.
- Jeff is going to look into Digital Ocean and the Donnelley VMs they can serve stuff on. They have a code domain.
- Risks: technical guy Max isnt here right now. Our current Partner doesnt have much technical background to help us.
- Maybe make the search bar for not general search for narrowing the scope within the current topic (like searching within a subreddit).
- Searching within title, abstract, full text? Likely not full text that is more work.
  - ^^ Probably less efficient for calculating relevancy too, probably title or abstract is good
  - Yeah full text is very messy sometimes you get a lot of irrelevant articles.
- Display is a timeline.
- I think we need to change meeting tactics, so like we get everything we need to say out of the way and not ask questions and leave separate time for questions.

#### Action items

- ☐ Share access to the repo and specifically send a completed copy of planning.md.
- ☒ ~~Share Slack link.~~
- ☒ ~~Fork the repo and work in there.~~
- ☒ ~~Update the use cases and send them over.~~
- ☒ ~~Need to get demo and mock-up on the same page. (diferent use cases)~~
- ☒ ~~Wednesday night—everyone's work pushed. Meeting wednesday night for whoever can make it to discuss any issues.~~