CS-24-333 2nd Meeting

Date: 9/20/2023

Notes:

October 7th deadline: deciding what is possible to complete within a semester

- Define the absolute minimum requirement (minimal viable product)
- Know what are extras that can be added if there's extra time
- Turn in document that is outlined of what we know about this project
    - Describe in scope features
    - List of technologies we use in different aspects
    - List of elements needed in database associated with papers
- Nothing implemented

Keep grants confidential (don't post publicly)

- The rest can be posted and added to folder and github

Just hyperlinked to publications

- Not able to open on website (especially since some are behind paywall)
- Along with the link, extract information from publications to database so users can access that data from website

Two ways of input

- Manually input data
- Data entry that is automated

Dr. Hyer has information on what content should be on database (what statistics)

- Ask for example papers (relevant papers)
    - What papers she would want in database
    - Pull statistics and ask if they are correct stats to pull out
- Ask for feedback on what statistics listed

Lots of documentation is expected from us

Outline of requirements document before the 7th

Collaboration with NIH and they will be managing database in long run

- Using technologies that NIH uses
- Look at NIH repositories
- Its okay to model after NIH interfaces (confirm with Dr.Hyer)
    - Use whatever is easiest to navigate
    - ex) PubMed

We should think about what stakeholders will see initially

- Dashboard? Search bar? https://pubmed.ncbi.nlm.nih.gov/
- Genomic Data Commons (easy to navigate)
    - They have website and then the data portal https://edge.asee.org/
    - We could have facet searching like above
- https://www-ncbi-nlm-nih-gov.proxy.library.vcu.edu/
- https://edge.asee.org/ not so much like this because so much text
- What's better is interactive dashboard
- Should have mission statement at top (from Dr. Hyer)

- We want interface that allows user to input where they're located, how many students they have, and more information on school
    - Helps to find information that suits them best
    - Filters

No backend database is needed

Tasks:

Contact Dr. Hyer this week (before next meeting)

- cc Dr. Olex and Dr. Leonard

Get example of what october 7th requirement will look like

- Maybe high level requirements

Outline of requirements document before the 7th

Ask Dr.Hyer (today)

Sort through functions before next meeting and know what is doable (must have)

Create a group meeting (just students)

- List elements of papers (maybe 1 or 2 papers)
- Just to create framework of what information should actually be listed in database
    - Get feedback from Dr. Hyer and Dr. Olex
- What to pick out of paper:
    - Statistics on where method mentioned was implemented (demographics)
        - What university, location, how many students
    - Pull information on method itself
        - If there’s a common process used or pipeline
    - Results/impact at the university
        - Any barriers to implementation

Next Meeting:

Next week (students)

Meeting before october 7th with Dr. Olex