11/6 Standup

Questions to Ask Kashish (in class 11/7)

- Can we use Bootstrap and Datatables?
- Can we use Firebase instead of MongoDB?

Next Steps (Complete all by 11/11)

As discussed in today's meeting, here are the next steps for each team.

Frontend Team

- High-Level UML Diagram **(Maitree)**
- Design Doc **(Shelby)**
    - Dark mode/light mode
    - Color scheme
    - Fonts and font sizes
    - Maybe use material UI or Bootstrap
    - ADR based on design docs
- Code Architecture/Alignment Doc **(Sarah)**
    - Goal: Make sure our code looks like it was written by one person – add in any best practices as you see fit to achieve this. Here's what we discussed
        - Modular code
        - HTML best practices
            - Using custom tags unless there's a built in (try to use existing ones when possible)
        - JavaScript best practices
            - Use camelCase for functions, variable names, etc.
        - Comments
            - Not needed if code is straightforward
            - Comment anything complicated
            - Comments at the top of each file explaining purpose
        - Namings
            - Function names should be verbs and say what they do
            - Variable names are nouns, don't start w/ number
            - Don't make names too long
        - Python best practices
            - Follow pep8 style guide https://peps.python.org/pep-0008/
        - Documentation best practices
        - Error handling
- Project ADR **(Bruce)**
    - Why did we choose to do the dashboard as opposed to other greenfield projects?

    - Why did we decide on the CS student dashboard?
    - Use the research, user stories/journeys, and project statement from the pitch doc

Backend Team

- Github Best Practices **(Ishan)**
    - Need CI pipeline/CICD pipelines (whatever is necessary based on class, ask Kashish if needed)
    - Best practices for testing
    - How we should use pull requests and GitHub issues
    - Specific commit format
    - Continuous pushing/pulling
    - Any other best practices as you see fit
    - GitHub hosting
- Tech stack ADR **(Ronit, Siddhant)**
    - Please run the final tech stack by Kashish before implementing/writing the ADR!
    - Frontend: HTML, CSS, JavaScript, Bootstrap
    - Backend: Python, Flask or Fast API, Firebase
    - Hosting: GitHub vs Render? Describe and explain
        - Note that Render can take a few minutes to load unless you use a paid account
    - APIs: Google Calendar, Google OAuth, Datatables
    - Explain Firebase vs MongoDB
        - Compare since we have both in our pitch
    - Explain Flask vs Fast API
        - Compare since we have both in our pitch
- Low level UML diagram **(Ronit, Siddhant)**
- Firebase set up with shared gmail **(Siddhant)**
- API Testing **(Ronit, Siddhant)**
    - Make sure the following APIs work as expected
        - Google calendar
        - Google OAuth
        - Datatables **(Maitree)**