EE/CprE/SE 492 Weekly Report 2

January 31 to February 13 2024

Group number: 14

Project: Computer Science Course 3090 Dashboard

Client/Advisor: Dr. Simanta Mitra

Team Members:

Bradley Gaines **-** *Component Design, Cross-Component Integration, Testing*

Breckin Bartels **-** *Component Design, Cross-Component Integration, Testing*

Kat Christofferson **-** *Component Design, Cross-Component Integration, Testing*

Ria Patel **-** *Component Design, Cross-Component Integration, Project Manager*

Thomas Payton **-** *Component Design, Cross-Component Integration, Testing*

Varun Jain **-** *Component Design, Cross-Component Integration, Client Interaction*

Weekly Summary

This week we continued to focus our efforts on reviewing our work from last semester, wrapping up loose ends, and planning sprints for the semester. We experienced system shutdowns over winter break, so we had to review all of our work to make sure we did not lose any valuable work. Frontend focused on creating a sprint schedule for the semester based on the feedback we received from Dr. Mitra about his desired additional features that we will be implementing this semester. Once that was done, we continued to integrate the front end with the back end. The backend focused on post requests and base team controllers. We have begun work on the first sprint: updates to the attendance page. We are prioritizing planning and strengthening the foundation of our dashboard so that we can implement additional features easily during the semester. We hope to stick to the sprint schedule that we created with Dr. Mitra, but we will be flexible if changes need to be made.

Past Week Accomplishments

Bradley Gaines:

- Reviewed 491 work.
- Ensured all systems are working after shutdown over break.
- Worked on teams get request.

Breckin Bartels:

- Integrated dashboard home with backend API calls and data.
- Worked on a fix for login with backend.
- Integrated team drilldown page with backend API calls and data.

Kat Christofferson:

- Worked on the teams post request.
- Created a Base teams Controller.

Ria Patel:

- Reviewed 491 feedback and adjust.
- Coordinated with team members and client to create new sprint timeline.
- Assisted with API calls.

- Created sprint schedule for this semester.

Thomas Payton:

- Worked on session handling for storing user's role on the client side.
- Connected dashboard to backend by adding API calls on pages.

Varun Jain:

- Updated Database for Attendance related features.
- Started on Attendance related methods.

Pending Issues: None

Individual Contributions

Name	Individual Contributions	Hours This Week	Hours Cumulative
Bradley Gaines	Implementing Team Profiles. Updating branches. Fixing side test environment.	7	13
Breckin Bartels	Implemented POST team method. Implemented GET dashboard method. (These two are currently blocked by a CORS header issue). Working on storing auth-token as a cookie.	9	17
Kat Christofferson	Change how the authentication token is sent to the frontend. Finished post team request. Assigned new issue.	7	14
Ria Patel	491 review. Sprint timeline. API assistance.	6	12
Thomas Payton	Replaced previous attendance code and functionality with new version as per request Mitra's request. Added discord link on team breakdown pages and an edit button for the discord link.	7	14
Varun Jain	Updated Database for attendance methods and started working on post methods for attendance.	7	13

Plans For the Upcoming Week

Bradley Gaines:

- Transfer to using vm-user.
- Work with front end to update team profile GET request to meet their needs.

Breckin Bartels:

- Fix CORS header policy issue.
- Add individual student breakdown page.
- Fix any issues with GET dashboard request.

Kat Christofferson:

- Work on create TA post method.
- Work on creating API for demo page.

Ria Patel:

- Update website.
- Work on schematics/diagrams.
- Communicate with client on additional features.

Thomas Payton:

- Figure out if there's a way to automatically scrape or create the list of discord channels for each team.
- Comb through frontend pages and come up with a list of API requests necessary to connect to backend.
- Figure out what current backend API requests we can connect to the frontend.

Varun Jain:

- Work on finishing Attendance related post methods.
- Assist in connecting backend and frontend.

Weekly Advisor Meeting Summary

We meet with our client/advisor Dr. Mitra biweekly. Since our last meeting was January 31, our next meeting with Dr Mitra is scheduled for February 14.

- Showed Mitra the dashboard as of end of last semester.
  - Overview bubbles should show team name instead of hovering.
  - Profile pictures will be uploaded by Mitra through upload document page.
  - Have upload document page have a comment showing what file form is expected.
    - ♣ Zip file for images.
    - ♣ Spreadsheet for student information.
  - Attendance page:
    - ♣ Mitra wants to write who is missing either using name or netid instead of asking the whole class a question.
      - Example: netid1, netid2, netid3.
    - ♣ Mitra wants access to change attendance on older days in case he forgets.
    - ♣ Mitra has excused absence forms and he wants them to get tied to his counted absence. He wants to be able to separate then based on excused or unexcused absences.
    - ♣ TA might want TA meeting absence record too.
    - ♣ Mitra wants absence record on team breakdown.
    - ♣ Brainstorm the best way to track attendance (professor and TA)!
  - CATme page:
    - ♣ Mitra wants to hover to see comments.
    - ♣ Mitra wants to mark comments, which would change color, then he can see if later.
    - ♣ Brainstorm a way to organize important information but keep all information accessible.
    - ♣ Mitra wants to be able to annotate on students.
  - Gitlab page:
    - ♣ Have comments on most recent commits to see who is working on the project.
    - ♣ TA's should be able to comment on students.
  - Brainstorm ideas for comment system.
- Display project names somewhere for each team.
- Clicking on a profile would take them to an individual page which would show all data for the student.
- Brainstorm what the student view would include.
  - Assignments/grades?
  - Communication with professor and TA?
  - Do we even need a student view? If not, we would need the comment system to run through discord. Each team has its own channel so a link to the channel in the dashboard would be great but it would have to be editable since channels will change every semester.

- o Can a students information be summarized and printed by the TA for use in meetings and such?