EE/CprE/SE 492 Weekly Report 4

February 28 to March 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 worked on wrapping up pages and the database to be functional for our initial test model deadline. Backend focused on making get requests, updating the database, and adding API's. Frontend focused on updating pages, implementing a comment system, making cosmetic changes, and strengthening the connection to the backend. Our primary focus for this week's demo test is to have functioning pages, including team breakdown, individual student breakdown, and overview pages, fully working. We plan to have the client download the dashboard onto their server to run with their student data, allowing our team to stay separated from the actual data. Our client requested basic implementation to be secure for this test demo, allowing us to focus on additional features' security throughout the next few weeks. We have made great progress this week and look forward to demoing to Dr. Mitra.

Past Week Accomplishments

Bradley Gaines:

- Made TA Get requests for front end.
- Worked on updating db with more test data.

Breckin Bartels:

- Fully implemented Team Breakdown page.
- Looked into starting a comment system for individual students.
- Looked into adding additional bubble for teams on main dashboard (this will be for their teamwork status).

Kat Christofferson:

- Continued to add APIs to the back end.
- Created log file to store Post APIs.

Ria Patel:

- Updated website.
- Worked on schematics/diagrams.
- Communicated with client on additional features.
- Prepared for first working draft of dashboard implementation.

Thomas Payton:

- Finished connecting attendance page to backend.
- Potentially fixed main dashboard page connection with frontend.
- Added page for individual TA data.

Varun Jain:

- Continued Making updates to the database.
- Added Student Demo grade and make minor changes throughout the backend.
- Created a partial documentation of all API methods.

Pending Issues: None

Individual Contributions

Name	Individual Contributions	Hours This Week	Hours Cumulative
Bradley Gaines	At-risk database format. Minor changes to the backend.	11	51
Breckin Bartels	Added team demo status to team breakdown, with editing demo status. Adding second bubble to main dashboard for teams.	12	58
Kat Christofferson	Worked on creating a log file of post API calls.	12	52
Ria Patel	Updated website. Updated diagrams. Communication with client.	12	48
Thomas Payton	Created the at-risk-students page and worked on page design and logic to effectively implement clients request.	12	54
Varun Jain	Created Student Demo and made minor changes to the backend. Created a partial documentation of API calls.	12	52

Plans For the Upcoming Week

Bradley Gaines:

- Update database and backend with the at-Risk table.
- Work with frontend on call format.

Breckin Bartels:

- Finish adding second bubble to main dashboard.
- Change uploadDoc api call endpoints (will be sending zip file for TeamsAndStudents, and will be sending .csk for CATME).
- Add API call to change team demo status.

Kat Christofferson:

- Work on creating the post API for catme data.
- Work on Crating GET call for catme data.
- Fix log file to get user email logged in the log file.
- Work on TA pot API.

Ria Patel:

- Update website.
- Work on schematics/diagrams.
- Communicate with client on additional features.
- Update dashboard with desired cosmetic/organizational features.

Thomas Payton:

- Work on admin page with TA creation.
- Continue work on At Risk Student page and logic.
- Connect both pages to backend API.

Varun Jain:

- Change student and team creation format.
- Fix Auth tokens.
- Fix student and team demo get calls.
- Finish documentation of API calls.

Weekly Advisor Meeting Summary

We meet with our client/advisor Dr. Mitra biweekly. Since our last meeting was February 28, our next meeting with Dr Mitra is scheduled for March 14.

- With various issues, test model was not ready, functioning test model deadline pushed back to next meeting (2 weeks).
- We showed the client the video of the dashboard run-through.
    - CATme is the next priority.
    - Admin page is a later issue.
    - Minor touchups need to be implemented (check desired additions from last meeting notes).
    - Attendance page is working completely.
        - Client started using tophat in classes.
        - Canvas role call could be useful if it wasn't organized by sections.
            - It shows seating chart and marks students absent from there (each seat shows name and picture of student).
        - Keep attendance as if for now!
    - Add a feature for at risk students.
        - At risk file is charted weekly this semester (make a chart that can be checked off for each student if they are at risk).
        - Email gets sent out weekly to these students (create netid output for email list).
        - Is it possible for the dashboard to send the email too or will the client have to take the email list output and send it himself?
    - Priority for next meeting:
        - Team overview at a glance (so far looks good, make minor changes that the client stated previously).
        - Team drill down.
        - Student drill down.
        - Comment system (set up notifications if possible).
        - Try to get all changes previously stated done if possible (superficial, organizational, etc).
    - Client will give us a server to download on so he has full access.
    - Brainstorm how the dashboard can be used this semester with student data without us having access to said data.