

EE/CprE/SE 492 Weekly Report 3

January 14 to February 27 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 focused on preparing our dashboard for its first working draft implementation. After meeting with our client, we set the end of February as our goal to have an initial dashboard working. This milestone would allow us and our client to perform more in-depth testing with a larger data pool. We are on track to have this milestone completed. Once this next step in our project is completed, we can work on finalizing aspects of the dashboard and making the entire system more efficient. We are excited to see how our dashboard wraps up!

Past Week Accomplishments

Bradley Gaines:

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

Breckin Bartels:

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

Kat Christofferson:

- Worked on create Team get call.
- Worked on creating API for students page get call.

Ria Patel:

- Updated website.
- Worked on schematics/diagrams.
- Communicated with client on additional features.

Thomas Payton:

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

Varun Jain:

- Worked on finishing Attendance related post methods.
- Assisted in connecting backend and frontend.
- Made updates to the database

Pending Issues: None

Individual Contributions

Name	Individual Contributions	Hours This Week	Hours Cumulative
Bradley Gaines	Finished Team Profile backend call. Testing back end calls.	14	40
Breckin Bartels	Added file structure to UploadDoc page. Worked on implementing API calls with team breakdown page.	12	46
Kat Christofferson	Worked on teams get API. Worked on students get API.	12	40
Ria Patel	Updated website. Worked on schematics/diagrams. Communicated with client on additional features.	12	36
Thomas Payton	Updated team breakdown page to be connected to backend. Added individual student page and connected it to backend. Updated attendance page as per requests and began connecting to backend.	14	42
Varun Jain	Finished the Attendance methods. Assisted in connecting the backend with the frontend. Made updates to the database.	14	40

Plans For the Upcoming Week

Bradley Gaines:

- Make TA Get requests for front end

- Work on updating db with more test data

Breckin Bartels:

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

Kat Christofferson:

- Continue to add APIs to the back end.
- Create log file to store Post APIs.

Ria Patel:

- Update website.
- Work on schematics/diagrams.
- Communicate with client on additional features.
- Prepare for first working draft of dashboard implementation.

Thomas Payton:

- Finish connecting attendance page to backend.
- Potentially fix main dashboard page connection with frontend.
- Add page for individual TA data.

Varun Jain:

- Continue Making updates to the database.
- Add Student Demo grade and make minor changes throughout the backend.
- Create a complete documentation of all API methods.

Weekly Advisor Meeting Summary

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

- We presented the current status of the dashboard to our client.
- Client wants overview bubbles to have two colors based on coding and teamwork.

- Brainstorm how to illustrate team color and individual color.
- Comment thread from professor/TA about student should in the dashboard. Other comments should be through discord.
 - Comments in dashboard should have date, week, time, etc.
- Client wants attendance displayed like “number missed / number excused/ total number of classes”.
 - Excused absences should be editable later.
- Client wants Java script that will take three file inputs and generate three homeless files.
- Client should be able to give access to others to use the dashboard.
 - Create an admin page to see who has access, give access, etc.
- Client has a “newbies and at risk” file that is filled out by the TA’s for anyone receiving a C or under and is on “watchlist”. Client wants to be able to upload this document or have TA’s directly enter this data into the dashboard.
 - Brainstorm how to illustrate at risk students/groups (team number, grade, reason, root cause).
- Client wants all changes to be logged (especially for TA’s). Create a log for accountability.
- Client wants to be able to test dashboard with real data but is worried about student privacy.
 - Brainstorm ideas to make this possible.
 - Fake data could be given by Mitra from last semester.
- Client will invite us to the current discord for help with integration.
 - TA’s will have to add discord specification links.
- Client is wondering how we are representing Canvas without integration?
 - Client says grades will change throughout the semester.
 - Brainstorm best practices to have grades up to date.
- Client wants TA’s to have access to all teams.
 - New TA’s have a baseline/reference.
- Client and head TA should be the only ones with access to upload documents.
- Client wants a functioning model for testing by next meeting!