

# EE/CprE/SE 491 Weekly Report 10

*November 15 to November 21, 2024*

*Group number: 14*

*Project: Computer Science Course 309 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 work on organizing data and API call functions to connect the front end to the back end. We made significant progress in formulating API calls. We began testing the calls through Postman. As for pages, we continued to optimize and reformat our team breakdown, attendance, and file upload pages. We did more research on how to implement Gitlab to our dashboard and how to test locational attendance features. We continued to update our data tables, routing, and diagrams. We are making great progress to have a draft dashboard available by the end of the semester, as planned.

## Past Week Accomplishments

Bradley Gaines:

- Got the more complex get calls working in backend.
- Got postman working so I can test these calls format.
- Communicated with Frontend to get calls formatted how they want.

Breckin Bartels:

- Continued to add data to Team Breakdown page.
- Continued to parse data, from file upload, to send to backend.
- Messed around with GitLab API's a bit more.
- Got a successful login with backend working.

Kat Christofferson:

- Continued adding the necessary API that the frontend needs.
- Continued implementing other data tables and routing.

Ria Patel:

- Updated our website.
- Updated mockups/schematics.
- Looked into creating CATme replication in dashboard.
- Assisted with API calls.

Thomas Payton:

- Continued work on attendance taking logic and consult with backend on implementation.

- Continued work on team drilldown and eventually connecting to the backend.
- Researched collecting / verifying location for attendance.

Varun Jain:

- Continued work on API calls.
- Continued updating ER diagram and database.

Pending Issues: None

## Individual Contributions

Name	Individual Contributions	Hours This Week	Hours Cumulative
Bradley Gaines	Working on team profiles backend, getting packages and rights to each user on VM so we can all test independently	6	49
Breckin Bartels	Add login API call with backend, parsed some file for file upload to send to backend, cleaned up design of team drilldown. Got frontend to run properly on the server.	6	52
Kat Christofferson	Add Post API call to login users, and created JWT tokens for each user. Added a Post API call for create a list of students. Tested Post call from a list of students using postman.	8	50
Ria Patel	Updated website. Researched CATme replication. Assisted with API calls.	6	51
Thomas Payton	Added attendance taking alternatives (short answer, multiple-choice, one-time code). Cleaned up design and added better presentation for CATME data for team drilldown page.	7	51
Varun Jain	Worked on some API calls. Kept updating ER diagram and database. Assisted with backend-frontend integration	6	49

## Plans For the Upcoming Week

Bradley Gaines:

- Work on backend calls including team profiles.
- One profile.
- And all profiles.

Breckin Bartels:

- Send parsed data for student and teams to backend.
- Format Gitlab data and display on team drilldown.
- Work on a comment system for teams, students and TA's.

Kat Christofferson:

- Add Post call from a list of teams.
- Test Post request from list of teams.
- Finish testing the Post request from list of students.
- Test Post request for a list of teams.

Ria Patel:

- Update website.
- Update schematics.
- Assist with API calls.

Thomas Payton:

- Setup session handling for storing student role.
- Connect main dashboard to created API calls.

Varun Jain:

- Finish up API calls.
- Finish ER diagram and Database updates.
- Fix code for part of archival system.
- Continue connecting backend and frontend.

## Weekly Advisor Meeting Summary

(Notes below are from our meeting with Dr. Mitra on November 21. We meet biweekly, making our next meeting December 5).

- Server accessed from client's laptop.
  - Client was unable to access when not in the database, good check for outside login attempts.
  - Added client to the database and was able to access afterwards.
- Front end run through:
  - Client liked new team drill down page.
  - Explained adjustment factor to client.
  - Explain git commit concept to client, he would like that implemented.
  - Client wants feature with some sort of comment section between students/professors and students/TA's.
    - Color code team overview based on if there is a comment waiting from the student.
  - Client liked new attendance design, still wants optimization/fool-proof option.
    - Client pitched a face recognition from a picture to see which students are in attendance. This will be very hard to implement.
- Client questions/feedback:
  - When will it be running?
    - We need demo data in order to make sure everything functions are desired. Client requested a list of what we need.
  - Client will give us contact to one TA to help overall organization.
  - Client will show the dashboard to the TA group to see if they have any additional desired features. Client will give us a list afterwards.
  - Ping client in discord when dashboard is down for updates.
  - Client will look into a supertoken for git commit access.
    - Git cs 2024 website has access to all teams and corresponding ID's.
    - Client will also send a list of team information.