

CYBE / SE 491 Weekly Report

March 5 - March 11, 2025

sddec25-10

SmartClass: Transforming Engagement in Large Classrooms with Interactive Learning

Faculty Advisor / Client: Md Maruf Ahamed

Team Members:

- Josh Dwight - Backend/Frontend
- Logan Pfantz - Frontend
- Matthew Gudenkauf - Frontend
- Michael Becker - Frontend /Backend
- Michael Geltz - Backend/Frontend
- Ryan Lin - Frontend/Backend

Summary of Work:

This week the team focused more learning and experimenting to set up for adding more features in the future. A lot of work was put into learning backend development in order to get the team ready to start running the server. The project was also upgraded to a React project during this work period.

Work Period Accomplishments:

Josh Dwight:

- During this work period, I worked on learning and experimenting with creating and using endpoints.

Logan Pfantz:

- Added animations to home page
 - Fade in effect on rows

Matthew Gudenkauf:

- Experimenting with the backend to deploy the project on the server

Michael Becker:

- Researched ways to secure user accounts and ways to implement that in the backend/frontend.

Michael Geltz:

- Worked further on the backend to get functional user and course creation.

Ryan Lin:

- Installed react into frontend and created proper directory and moved existing files into respective folders
-

Plans for Coming Week + Action Items:

Josh Dwight:

- The backend needs to discuss table contents. Also want to try and get the workflow running so we don't fail GH actions.

Logan Pfantz:

- Create quizzes and activities pages

Matthew Gudenkauf:

- Need to get the project running on the server

Michael Becker:

- Implementing login and sign up security

Michael Geltz:

- Need to finish the user and course creation on the backend.

Ryan Lin:

-
-

Pending Issues:

Josh Dwight:

- Table contents and fields, workflow

Logan Pfantz:

- Find more time to work on this project
- Keep focus on adding features first

Matthew Gudenkauf:

- Run project on server
 - Configure databases

Michael Becker:

- Implementation of security measures

Michael Geltz:

- Make the backend code run

Ryan Lin:

- Fix subpages not directing to the correct page and then merge to main
-

Individual Contributions:

Team Member	Contribution	Weekly Hours	Total Hours
Josh Dwight	More backend experimentation	2	9
Logan Pfantz	Work on home page	2	10

Matthew Gudenkauf	Experimenting on the backend to run the project on the server	4	10
Michael Becker	Researched security	2	9
Michael Geltz	Worked further on backend user and course creation	2	9
Ryan Lin	Added react into frontend and created proper directory and moved existing files into respected folders	3	7