

CYBE / SE 491 Weekly Report

April 2 - April 8, 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/Backend
- Matthew Gudenkauf - Frontend
- Michael Becker - Frontend /Backend
- Michael Geltz - Backend
- Ryan Lin - Frontend/Backend

Summary of Work:

This week was underwhelming productively. Not enough time was dedicated to working on the project to make significant progress in implementing the planned features from last week. As a result, a delay in the timeline may affect the final product.

Work Period Accomplishments:

Josh Dwight:

- Made progress creating my first backend endpoint.

Logan Pfantz:

- Completed round trip of sending teacher sign-up information from the website to the server using localhost
- Form submission on the front end:

Register as a Teacher ×

Full Name

Email

Password

Subject Area

School Name

I agree to the Terms and Conditions

- Server updated in back end:

id	email	password	username
10	mattgude@email.com	\$za\$10\$RLKYnXJvsjwg/wgnG6rxmObG.r8aBo...	matt
13			NULL
14			NULL
15	kjobst@iastate.edu	password	NULL
NULL	NULL	NULL	NULL

Matthew Gudenkauf:

- Spent this week learning React and testing new pages for our features.

Michael Becker:

- Worked on transitioning older pages.

Michael Geltz:

- Assisted others in understanding the backend

Ryan Lin:

- Working on connecting backend and frontend with login/sign up (WIP)

Plans for Coming Week + Action Items:

Josh Dwight:

- Finish creating endpoint

Logan Pfantz:

- Allow students to make accounts and sign in using their passwords

Matthew Gudenkauf:

- Lectures feature

Michael Becker:

- Refine usability and start implementing security measures

Michael Geltz:

- Setup courses on the backend

Ryan Lin:

- Continue working on connecting backend and frontend login/sign up

Pending Issues:

Josh Dwight:

- N/A

Logan Pfantz:

- Sometimes not all the fields are correctly saved and sent to the backend resulting in null values in some records

Matthew Gudenkauf:

- Add register/login
- Make sure classes load on the dashboard

Michael Becker:

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Michael Geltz:

- N/A

Ryan Lin:

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Individual Contributions:

Team Member	Contribution	Weekly Hours	Total Hours
Josh Dwight	Worked towards finishing endpoint	2	13
Logan Pfantz	Connected frontend to backend using localhost allowing teachers to create accounts	2	19
Matthew Gudenkauf	Learning react, testing pages for our features	2	14
Michael Becker	Learning security testing, learning how to implement security measures	2	13
Michael Geltz	Helped others understand backend	1	13
Ryan Lin	Working on connecting backend and frontend with login/sign up (WIP)	1	12