

CYBE / SE 491 Weekly Report

March 12 - March 18, 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
- Ryan Lin - Frontend/Backend

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### **Summary of Work:**

This week, the frontend was converted to a React project. This required a bit of reworking of the components to regain all the lost functionality. Most of the work this week focused on the React change.

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### **Work Period Accomplishments:**

Josh Dwight:

- Did a bit more backend practice over break

Logan Pfantz:

- Study react and learn differences between the old html style

Matthew Gudenkauf:

- Setup CI/CD in the .yml file

Michael Becker:

- Working on finding more security methods, need to be implemented in the backend and frontend.

Michael Geltz:

- Got a deployable version of the backend to work.

Ryan Lin:

- Converted majority of frontend into react components
- Organized files into their respective folders

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### **Plans for Coming Week + Action Items:**

Josh Dwight:

- Backend tables and endpoints

Logan Pfantz:

- Work with react to build more functionality into

Matthew Gudenkauf:

- Setup backend/database

Michael Becker:

- Implement security practices in the front and backend.

Michael Geltz:

- Make the backend more feature rich and have it host more options for the frontend team to work with

Ryan Lin:

- Finish up last file conversion to react

### Pending Issues:

Josh Dwight:

- Backend tables and endpoints

Logan Pfantz:

- Fix animations and font sizes on home page which were broken by changing to React

Matthew Gudenkauf:

- Setup backend/db

Michael Becker:

- Set up backend security practices (specifically on log in and sign up)

Michael Geltz:

- Make more refined tables

Ryan Lin:

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### Individual Contributions:

Team Member	Contribution	Weekly Hours	Total Hours
Josh Dwight	Did more backend practice	1	10
Logan Pfantz	Study and learn react	1	11
Matthew Gudenkauf	Added to .yml file	1	11
Michael Becker	Security Research	1	10
Michael Geltz	Backend Deployment	1	10
Ryan Lin	Converted frontend to react components	4	11