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## **EE/CprE/SE 492 WEEKLY REPORT 4**

**Date: 10/16/25**

**Group Number: sddec25-10**

**Project title: SmartClass: Interactive Learning**

**Client &/Advisor: Md Maruf Ahamed**

### **Team Members/Role:**

- **Josh Dwight - Backend/Security**
- **Michael Geltz - Backend/System Admin**
- **Michael Becker - Frontend/Security**
- **Matt Gudenkauf - Frontend**
- **Logan Pfantz - Frontend & Advisor Liaison**
- **Ryan Lin - Frontend**

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### o **Weekly Summary**

This was a busy scheduling week with midterms. There was time for small fixes and implementing the quizzes on the student side of the frontend. To finish with the quizzes, a backend endpoint is needed to save and retrieve the quizzes from. Also, there is no “grading” of the quizzes, so that has to be decided upon. Finally, there was some test code written for the frontend.

### o **Past week's accomplishments**

- Josh Dwight: Started Globus SSO implementation. Fixed local development environment issues.
- Michael Geltz: Cleaned code for proper local and production program running. Fixed pipeline to work with Spring profiles.
- Michael Becker: Cleaned up the encryption implementation and tried to look into more compression of files. But I don't necessarily think it will be feasible. Tried to research modern ways and some light implementation but faced issues.
- Matt Gudenkauf: Fixed the local implementation of screensharing, should be close to implementation on the project. Added announcements to classes on the backend

- Logan Pfantz: Created a page for students to take quizzes. The page displays the four different types of questions correctly and lets students input their answers. The information is saved in a json format that can be sent to the backend. Also did some clean up of the UI in the quiz creator page by making small changes such as centering the question dropdown menu.

## Basic JavaScript Quiz

Test your knowledge of fundamental JavaScript concepts.

Which of the following is NOT a JavaScript data type?

- String
- Number
- Boolean
- Character

Which of the following are looping structures in JavaScript?

- for
- while
- foreach
- loop

In JavaScript, `null` and `undefined` are the same value.

- true
- false

What keyword is used to declare a constant variable in JavaScript?

Submit Quiz

- This figure shows the quiz questions page for students. Currently, submitting the quiz just prints the answers in a json format in the console.

- Ryan Lin: Created test code for LiveClass, QuizCreation, and Student/Teacher CourseView/Dashboard

o **Pending issues** (If applicable: Were there any unexpected complications? Please elaborate.)

- Josh Dwight: N/A
- Michael Geltz: N/A
- Michael Becker: N/A
- Matt Gudenkauf: N/A
- Logan Pfantz: N/A
- Ryan Lin: N/A

- Everyone: N/A

**Individual contributions** (Creating this section is optional, but it is **Required to include the “Hours Worked for the Week” and their “Total Cumulative Hours” for the project for each member somewhere relevant in your report. Your individual weekly hours should be at a minimum of 6-8 hours for this course. So please manage your time well. Also, ensure that individual contributions support your claim to the weekly hours. Be honest with the reports.**)

<u>NAME</u>	<u>Individual Contributions</u> (Quick list of contributions. This should be short.)	<u>Hours this period</u>	<u>HOURS cumulative</u>
Josh Dwight	Globus SSO	6	51 + 6 = 57
Michael Geltz	Code cleanup. Pipeline fixes.	5	55 + 5 = 60
Michael Becker		7	51 + 7 = 58
Matt Gudenkauf	Added announcements on backend Got screenshare working locally. Need to implement on server	6	55 + 6.5 = 61
Logan Pfantz	Quiz implementation on the student side	11	59 + 11 = 70
Ryan Lin	Added more test code	10	53 + 10 = 63

- o **Plans for the upcoming week** (Please describe duties for the upcoming week for each member. What is(are) the task(s)?, Who will contribute to it? Be as concise as possible.)
  - Josh Dwight: We will actually need to move to HTTPS to register our application for Globus. To do this, we will either need people to just accept the risk of the self-signed cert, or transition to another server. We’re probably going to just stay with our current server. Once registered, I should be able to wrap up the Globus stuff.
  - Michael Geltz: Complete some of the smaller features on the gitlab site.
  - Michael Becker: Complete encryption implementation and move on to students being able to download correctly. Thinking of ways to implement how students work on the same document and live editing (this was recommended by professor last semester).
  - Matt Gudenkauf: Add announcements on the frontend. Try implementing screensharing.
  - Logan Pfantz: Finish the quiz implementation by adding links to access the pages from the student and teacher dashboards. Work on the polls on the frontend.
  - Ryan Lin: Try and add remaining test code to rest of the files that need it
  
- o **Summary of weekly advisor meeting** (If applicable/optional)
 

N/A