

# CSC493 – Weekly Reports

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Week: Five

## Part 1: Weekly Progress Report

- **Accomplishments:** What did you accomplish since the last class meeting?

This week, I made significant progress on the Unicorn project. I continued refining the code, focusing on enhancing the functionality and improving the user experience. One of the major accomplishments was the creation of a logo for the app. This won't only add to the visual appeal but will also aid in branding and user recognition.

In addition to this, I developed a comprehensive design document that outlines the possible classes for my app. This document will serve as a blueprint for my coding process, providing a clear structure and direction for future development. It includes details about possible classes I'll use, attributes, methods, and their interactions.

Furthermore, I initiated work on the backend code. This involved setting up server routes, controllers, and integrating MongoDB as my database solution. I successfully set up an account with MongoDB and started the process of connecting it to my app.

- **Challenges:** What are your current roadblocks?

The main challenge this week was integrating MongoDB with my app. As this is my first time using MongoDB, I had to spend some time learning its nuances and understanding how to use it effectively in a Node.js environment. I'm still facing some difficulties in setting up schemas and handling database queries.

- **Desired Discussion Points:** Do you have any desired discussion points that are not related to roadblocks?

I would like to delve deeper into MongoDB usage in a Node.js application. Understanding best practices, efficient schema design, and effective query handling would be beneficial. Additionally, discussing how to effectively structure classes in a Node.js application would provide valuable insights.

- **Future Goal:** What do you plan to accomplish before our next class meeting? These plans should be related to roadblocks or discussion points. If you plan to change direction, explain why.

For the upcoming week, my plan is to continue developing the backend code with a focus on database operations. I aim to finalize the database schema in MongoDB based on the classes identified in my design document. Additionally, I plan to start integrating the frontend with the backend by making API calls from React components.

## Part 2: Time Reporting

Make sure that as you fill out the first prompt, you include in enough detail in the summary. For example, "debugging" is vague, but "debugged function X to make sure that when user does action Y, it is called and returns the value Z" is better.

- **Time Spent:** Briefly explain how much time you spent on your project. If you worked on multiple components, each should get a detailed summary.

This week's work was divided among various tasks. Approximately 1 hour was spent designing the logo and creating the design document. These tasks involved brainstorming ideas, sketching designs, and documenting class structures.

Around 3 hours were dedicated to working on the backend code which included setting up server routes and controllers. The remaining 2 hours were spent setting up and learning how to use MongoDB effectively.

- **Weekly Total Time Spent:** Make sure to add up all the hours and minutes correctly.

6 hours

- **Total Project Time Spent:** After the number of hours and minutes, make sure to briefly explain whether you are on track and if not, what you may need to do in order to achieve what you set out to accomplish.

21 hours- I'm currently on track.

## Rubric:

The following rubric will be used, but they might change as needed.

### Accomplishments (3 points)

1 point for a general description of progress, 2 points for specifics on progress, 3 points for specifics AND referring to previous targets and explaining how currently accomplishments build on previous ones.

### Challenges (3 points)

1 point for mentioning there are roadblocks, 2 points for specifics, 3 points for specifics AND what was done already to try to overcome them.

### Desired discussion points (2 points)

1 point for at least one relevant discussion point as a general question, 2 points for relevant discussion points with specifics

### Future Goals (2 points)

1 point for concrete future targets (i.e. "working more on the project" is a zero, but "working on getting component X to interface with component Y" suffices), 2 points for tying in the targets with what was hopefully discussed in the meeting.

### Time Spent (3 points)

1 point for including general statements of how much time was spent ("4 hours on coding"), 2 points for splitting time into specific parts ("1.5 hours on research on component X, 1 hour coding, 2.5 hours debugging"), 3 points for specific parts and details on the pieces ("1.5 hours researching Turtle interface for

drawing concentric circles given inputs from the user, 1 hour coding function X that used that interface, 2.5 hours testing function X by giving it multiple values and fixing errors for values A, B, C, and D")

Weekly Total Time (1 point)

Total Project Time (2 points)

1 point for summing the values correctly, 2 points for the total time AND reflection on progress (you are confident to fit the target and if not, what course corrections you anticipate needing to make)