

CSC493 – Weekly Reports

Your name: <Said Maalim>

Week: <Week 9>

Part 1: Weekly Progress Report

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

Over the past week, I have achieved:

Back-End Integration Solutions: I overcame some key challenges in connecting the front-end of our application to the back-end. This involved setting up ways for the two parts to talk to each other more smoothly, ensuring that information is passed back and forth correctly.

React Component Updates: I improved how some of our React components update and made sure they only do so when necessary, which helps the application run faster and more efficiently.

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

There are a couple of hurdles that still need attention:

Website Capacity for Users: As the user base might grow, I need to ensure that the website can handle increased traffic and usage without performance issues.

Handling Intensive Data in React: The website may occasionally struggle with large amounts of data for the Alumni or quick interactions, and React's performance in these scenarios could be better.

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

Strategies for User Growth: I want to explore simple yet effective ways to prepare the website for an increasing number of users without compromising on performance.

Optimizing React Under Load: I'm looking to discuss straightforward approaches to improve React's handling of heavy data loads and quick state changes.

· **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 plans include:

Preparing for More Users: I'll be researching and planning ways to make the website's architecture more robust to support a growing user base.

Improving React Performance: I aim to identify and start addressing the causes of React's performance dips during heavy usage scenarios.

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.

Over this week, a total of **20 hours** were utilized:

Enhancing Back-End Connectivity: 9 hours were spent troubleshooting and enhancing the way the website's front-end communicates with the back-end services.

Refining React Efficiency: I allocated 7 hours to tweaking React components for better performance during user interactions.

Planning for the Future: 4 hours were dedicated to strategizing for scalability and preparing to tackle React's performance for the next phase.

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

20 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.

Cumulatively, **112 hours** have been dedicated to the project, including the 20 hours from this week. I'm maintaining a steady pace with the milestones. With the groundwork for both front and back-end in place, the project is poised for more integrated and comprehensive development in the upcoming weeks.

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)