

CSC493 – Weekly Reports

Your name: <Said Maalim>

Week: <Week 14>

Part 1: Weekly Progress Report

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

Since the last class meeting, I have accomplished the following:

Initiated Project Testing: Since the last meeting, I have begun the testing phase of the project, focusing on various critical aspects to ensure functionality and efficiency.

Back-End and Front-End Communication: One of the primary areas of testing was the communication between the back-end and front-end of our application. I have successfully conducted several tests to verify that the two components interact seamlessly and without any significant issues.

Website Page Testing: Additionally, I have run tests on different pages of the website. This involved checking the responsiveness, loading times, and the correct display of content across various sections. The tests were aimed at identifying and rectifying any potential bugs or user interface issues.

These steps are crucial in moving towards a more polished and user-friendly final product.

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

The current roadblocks I am facing include:

Integration Issues: One of the primary challenges I'm facing is ensuring seamless integration between different components of the project. While the back-end and front-end communicate, there are occasional discrepancies or lag that need to be addressed.

Bug Identification and Resolution: Identifying and fixing bugs, especially those that are not immediately apparent or occur under specific conditions, is an ongoing challenge. This requires thorough testing and sometimes revisiting and refining the codebase.

Addressing these challenges is crucial for the successful completion and smooth operation of the project.

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

Strategies for Performance Optimization: I would like to discuss various strategies and best practices for optimizing the performance of our web application. This includes techniques for efficient data handling, reducing server response times, and enhancing the overall speed and responsiveness of the website.

Scalability Considerations: As we look towards the future, discussing how to ensure the website remains performant and efficient as user numbers grow and data increases. This might include looking into scalable architecture designs and resource management strategies.

- **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.

Before our next class meeting, my primary goals are directly related to the roadblocks and discussion points we've discussed:

Complete Initial Testing Phase: My immediate goal is to finalize the initial testing phase of our project. This includes completing all planned tests for the communication between the back-end and front-end, as well as ensuring that each page of the website is functioning as expected.

Begin Comprehensive Testing for Alumni Database: Following the initial tests, I plan to conduct a comprehensive testing phase specifically for the alumni database. This will involve extensive testing to ensure data accuracy, efficient retrieval, and seamless integration with other parts of the website.

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.

I spent a total of 16 hours on my project during the reporting period. Here's a breakdown of the time spent on each component:

Back-End to Front-End Testing : I dedicated a total of 9 hours to testing the communication between the back-end and front-end of our application. This involved verifying data exchange, ensuring API responses were accurate and timely, and troubleshooting any connectivity issues.

Webpage Testing : I spent 7 hours testing various pages of the website. This task included assessing the user interface for consistency, checking the loading speeds of different pages, and ensuring that all interactive elements functioned correctly.

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

16 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, **196 hours** have been dedicated to the project, including the 16 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)