

CSC493 – Weekly Reports

Your name: <Said Maalim>

Week: <Week 13>

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:

Security Enhancement: I have focused on enhancing the security of the project, particularly in terms of communication between the backend and frontend. This involves implementing secure protocols and practices to safeguard sensitive data and information.

Established Communication: I have successfully established communication channels between the backend and frontend components. This is a crucial step in ensuring that data can be exchanged effectively and that the system functions as intended.

Error Handling: I have added code to handle errors that may arise during the operation. Error handling is essential for maintaining the reliability and stability of the system, ensuring that unexpected issues are addressed gracefully.

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

The current roadblocks I am facing include:

Alumni Database Schema: Establishing the schema for the Alumni Database is proving to be a complex task. Designing the structure that can effectively store and manage alumni information while accommodating potential changes and updates presents a challenge.

Real-time Editing: Implementing real-time editing capabilities for the database introduces another challenge. Ensuring that multiple users can make simultaneous edits to the database without conflicts or data integrity issues requires careful planning and execution.

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

Anonymous Donations: Consider implementing an option for users to make anonymous donations without the need for an account. This allows individuals who prefer not to create an account to contribute to the cause.

Security and Privacy: Address concerns related to the security and privacy of user account data, ensuring that donor information is kept confidential and secure.

- **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 Alumni Database Schema: I aim to finalize the schema of the Alumni Database, addressing the complexities and ensuring that it is well-structured to accommodate alumni information effectively.

Begin Overall Testing: I will initiate comprehensive testing of the backend code. This includes functional testing to ensure that all components work as intended, security testing to identify and mitigate vulnerabilities, and performance testing to assess the system's responsiveness.

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

Alumni Database Schema (Backend): I dedicated 6 hours to working on the schema of the Alumni Database. This involved defining the database structure, specifying data fields, and ensuring that the schema can effectively manage alumni information.

Security Enhancement (Backend): I allocated 3 hours to implementing security enhancements for communication between the backend and frontend. This included implementing secure protocols and practices to protect data during transmission.

Communication Setup (Backend): I spent 2 hours establishing communication channels between the backend and frontend components of the project. This involved configuring APIs and ensuring seamless data exchange.

Error Handling (Backend): I dedicated 5 hours to adding code for error handling. This included implementing mechanisms to detect and gracefully handle errors that may occur during system operation.

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, **182 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)