

CSC Multicourse Biweekly Reports¹

Your team's members:

Name	Email Address
NICHOLAS HAMILTON	hamiltonn@berea.edu

Select Report Date: Dec 31, 2024

Part 1: Weekly Progress Report

- **Accomplishments:** What did you accomplish since the last class meeting? (*up to 3 points*)

Reorganized Repository to better fit my project. I created better graphs displaying my repo structures, as well as accomplishing the assignment requirements.
I also did a several hour long research session to find better documentation tools, like sphinx.

- **Challenges:** What are your current roadblocks? (*up to 3 points*)

Need to test user activation functionality -Currently need to implement proper email verification testing methods and ensure tokens are working correctly. Same as last week
Session management security testing - Need to develop comprehensive tests for session token security and timeout mechanisms- Same as last week
Admin dashboard implementation - Need to create the admin interface for monitoring user activity, viewing security logs, and managing user accounts- same as last week

- **Desired Discussion Points:** Do you have any desired discussion points that are not related to roadblocks? (*up to 2 points*)

Recommendations for implementing real-time security alerts - Want to discuss options for notifying admins of suspicious activity (multiple failed logins, unusual access patterns) - Same as last week
I want to find programs that auto generate documentation and repository structure.

- **Future Goal(s):** 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. (*up to 2 points*)

Implement and test email verification system - Will set up email service integration and create verification workflow
Create basic admin dashboard - Will develop initial admin interface with user management and security log viewing capabilities
Both of these are same as last week.

¹ Detailed Weekly Report requirements can be found here: [24FA-CSC450 - Using Agile and Reporting Out](#)

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, outside of class, spent on your project. If you worked on multiple components, each should get a detailed summary. Make sure to add up all the hours and minutes correctly. *Add as many rows as you need to the table below. Please do not include time spent in the classroom. (up to 4 points)*

START	FINISH	HOURS	DETAILED SUMMARY
MM/DD HH:MM	MM/DD HH:MM		
11/15 6PM	11PM	5	I spent a large amount of time researching here. I want to figure out ways to make documentation easier, and I want to have diagrams of my repositories easier to make
11/16 5 PM	11PM	6	I finished up the parts I needed to finish for my project requirements, and I am working now on finishing the project in its entirety!
	WEEKLY TOTAL	11	

- **Total (Cumulative) 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. *(up to 2 points)*

I am mostly on track with the core security and authentication components of the project, having completed the essential database structure, user authentication system, and basic admin functionality. However, to fully achieve what I set out to accomplish, I still need to:

Complete the email verification system implementation with actual email service integration (estimated 5-6 hours needed)

Develop a more comprehensive admin dashboard with detailed security logging and user management interfaces (estimated 8-10 hours needed)

Implement thorough testing of all security features, particularly session management and rate limiting (estimated 6-8 hours needed)

I have spent a very long time on this assignment overall, and I am working on making sure I am learning other things as well as security so I can have the best project possible.

54+11 = 65 Total Hours

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 current 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 (4 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"). 1 Point for totalling the hours correctly. Please do not include time spent in the classroom. Only report on time spent outside of classroom hours.

What happens if your time on a task is interrupted and you don't have a concrete (or discrete) end time? In this case put the start time in, and the word "interrupted" for the end time and include the task total time. Rounding to the nearest 15 minutes is acceptable. *(This makes adding up times easier, especially when you use decimal hours, i.e. 3.75 rather than 3 hours 45 minutes.)*

Total (Cumulative) 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)

Resources

Here's a link to this Weekly Report Template – Make a copy and use it:

 [CSC Multicourse Biweekly Report INDIVIDUAL TEMPLATE](#)

SOURCES:

https://www.geeksforgeeks.org/what-is-_init_.py-file-in-python/