2024 CSC493 – Capstone Weekly Reports[1]

Your name: <mark>Zechariah Sklar</mark>

Select Report Date: Sep 29, 2025

Part 1: Weekly Progress Report

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

  > Picked up where I left off by wiring in the building manager portal so they only see their printers and can order for whole groups or fire off quick paper requests. On top of that, I tightened the email/password flows so staff can reset things themselves, and reskinned all the QR/manager pages to match the dark blue admin theme

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

  > The mail setup is still fragile Gmail flags one of these SMTP logins we're back to square one, so I want a more reliable send path. Managers are scoped the way I want them, but I still need an easier path to drop people into the right groups. On top of that, I am struggling to test these new paths with all the permission changes i am having to make for users.

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

  > When speaking to my boss, he had some concerns security-wise about how some things might be abused because some students may find it funny, such as trying to overload the system with request tickets. What are some guardrails or measures that everyone can think of that I might be able to implement to help prevent such abuse of the system?

- **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)*

  > I want to implement some security measures to deter abuse. I also plan on spending time organizing all of the data. As of right now, I have the groups and printers created and can add users, but it is sparsely populated, and I do not have my entire inventory entered, so I will work on populating those areas with what is needed to make sure I can test every aspect and find unexpected bugs.

---

[1] Detailed Weekly Report requirements can be found here: 📄 2024 URCPP Capstone - 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 hours in class as part of this section. (up to 4 points)*

START	FINISH	HOURS	DETAILED SUMMARY
9/23 10:50AM	9/23 11:50AM	1	Researched the implementation of DUO and how that would affect my permissions and how much of my current infrastructure I would have to change to implement it. I determined that it would not be worth it as it wouldn't replace my current login anyway, but it can be added on as a stretch goal.
9/25 10:00AM	9/25 11:50AM	2	1 hour was spent building the base of the Manager Site that would be used by building managers. I implemented different blocks to be filled out in the future, with group ordering and listing the printers in that group. The last hour was spent determining and testing adding the groups of printers to the manager's site to be seen without allowing the manager's site to actually change the data of the printers through their request forms.
9/27 1:00PM	9/27 5:00PM	4	I wired in the manager dashboard with group order and quick-paper shortcuts (roughly 2 hours), tightened the staff/manager supply form logic so it auto-fills and hides the group toggle (around 1 hour), and refreshed the supply/issue templates to match the dark theme (another hour).
9/28 12:30PM	9/28 4:30PM	4	I started with a one-hour walkthrough with my boss where we focused on security touches, then I spent roughly 1.5 hours locking staff orders to single printers and tightening the manager form handling, and the final 1.5 hours updating the QR portal so it uses the dark theme, only exposes issue reporting publicly, and forces a login before ordering.
	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 have spent about 69 hours on this project in total. I think I am still ahead of schedule as I am implementing a lot of stretch goals as i am going and plan on adding more functionality i am planning to implement some hardware scanning so that way the inventory screen can be updated at a faster rate and easier and at this point i am just adding onto it until my boss says he thinks it is good enough for live testing in buildings.

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.

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:

📄 2024 CSC493 Weekly Report v2 TEMPLATE