2024 CSC493 – Capstone Weekly Reports[1]

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Select Report Date: Sep 26, 2024

Part 1: Weekly Progress Report

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

> - Finalized user feed functionality
> - Got general audio playback working
> - Set up a global context for my song player so that all components can modify the state of it. Holy cow this was hard.
> - Created a new global context for users so that the profile image and user data can be cached. That way whenever we need to hit an endpoint requiring the user_id we don't need to query twice. Plus, the profile image loads a lot quicker.

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

> This week the roadblocks I had weren't severe, but it was just more so the complexity of my project. Enabling caching, contexts, audio playback, etc. have all been incredibly difficult and have required lots of research and debugging.

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

> I would like to discuss searching algorithms and what effective ways of doing so would be. I don't want to just search for a song name, but also find songs by artist names, albums, etc. I don't know how this should be done with queries.

- **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)*

> Before the next meeting I would like to have albums and the ability to click on songs and play them fully implemented. I would also like to toy with searching functionality so that finding songs is easier. Finally, I want to create more test data so that the application is more populated for testing.

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[1] Detailed Weekly Report requirements can be found here: 📄 2024 URCPP Capstone - Using Agile and Reporting Out

Created: 2024-09-22; Revised: 2024-09-25

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. Make sure to add up all the hours and minutes correctly. *Add as many rows as you need to the table below. (up to 4 points)*

START	FINISH	HOURS	DETAILED SUMMARY
8 PM	11 PM	3	Created the UI for the Feed as well as updated the endpoints and logic.
9 PM	11:30 PM	2.5	Enabled audio playback by pulling audio files down from Firebase.
10:15 PM	1:00 AM	2.75	Set up a global context for my song player so that all components can modify the state of it. Holy cow this was hard.
4 PM	5 PM	1	Created a new global context for the user object so that we can cache the user info and profile picture and not have to refetch every time.
12 AM	2:15 AM	2.25	Designed frontend and wrote backend endpoints for retrieving a users library consisting of their liked albums and playlists.
10:45 PM	11 PM	.25	Worked on updating my README
	WEEKLY TOTAL	11.75	

- **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)*

35.95 + 11.75 = 47.7

I am well on track. This was my most productive week yet.

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