2024 CSC493 – Capstone Weekly Reports[1]

Your name: Finn Bledsoe

Week: Week 5

Select Report Date: Sep 22, 2024

Part 1: Weekly Progress Report

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

  - Setup firebase authentication for logins and sign ups
  - Cached user data so we can track who is currently using the app at all times
  - Fixed backend logic for user creation and retrieval when a user signs up
  - Setup Firebase Storage for profile images, artist images, album covers, and playlist images
  - Haven't yet created the full logic for uploading images to the cloud DB, but created the basic infrastructure and added some sample data to the cloud DB
  - Designed Rex Feed in Figma
  - Created user interface for recommendations
  - Created sign up and sign in login pages

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

  Once again, this week my roadblocks were time and availability. I had a lot of other priorities which meant I was unable to get as much done, unfortunately. I am also having trouble with React Native styling. I have been using Nativewind which is similar to Tailwind which I am familiar with, but there are some nuances which have been difficult.

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

  I am starting to worry about exactly how I want my streaming services to actually pull in music. Since I am already doing a lot of file storage in Firebase Storage I was thinking about storing the audio files there. But, I am not sure if I need to worry about compression or anything like that as well.

- **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.

  I want to focus this next week on the actual streaming portion of the site. Once I have this implemented (likely not entirely this week) it will be much easier to write the implementation for the recommendation platform as that is heavily reliant on the streaming infrastructure.

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.

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

Created: 2024-05-20; Revised: 2024-08-19

- **Time Spent**: Briefly explain how much time you spent on your project. If you worked on multiple components, each should get a detailed summary.

  - Created sign up and sign in login pages - 2 hours
  - Worked on design documents - .5 hours
  - Setup firebase authentication for logins and sign ups - 2 hours
  - Cached user data so we can track who is currently using the app at all times - .5 hours
  - Fixed backend logic for user creation and retrieval when a user signs up - .3 hours
  - Setup Firebase Storage for profile images, artist images, album covers, and playlist images - .4 hours
  - Created basic infrastructure for loading in files to app and added some sample data to the cloud DB - 1.5 hours
  - Designed Rex Feed and Rec component in Figma - .6 hours
  - Created user interface for recommendations - 1.5 hour
  - Created weekly report - .5 hours

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

  9.7

- **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.

  9.2 + 26.25 (last week) = 35.95

  I am well on track.

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)