CSC493 – Weekly Reports

Your name: Joy Mirembe

Week: Two

Part 1: Weekly Progress Report

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

  Since our last class meeting, I've made considerable progress on the Unicoin project. I've successfully created a prototype of the app using Figma, which has allowed me to visualize the user interface and the overall user experience. This has been an essential step in ensuring that the app is intuitive and user-friendly.

  I also explored building my app using MIT App Inventor. However, after some experimentation, I realized that it wouldn't allow me to fully realize my vision for Unicoin. This was a valuable learning experience in understanding the limitations of different development tools.

  In addition, I've designed a mock-up of Unicoin. This has helped me further refine the look and feel of the app, and has provided a clear direction for the development process.

  To supplement my practical work, I've also been watching tutorials to help me understand some basic concepts related to app development. This self-directed learning has been crucial in building my knowledge base and preparing me for the next stages of the project.

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

  One of my current roadblocks is the integration of the front end and back end of the Unicoin app. This is my first time working with full-stack development, and while it's an exciting and fun challenge, it's also quite new to me. I'm still learning how to effectively connect the user-facing side of the app (the front end) with the server-side processes and database (the back end). This is a crucial aspect of the app, as it ensures that user interactions on the front end are accurately reflected in the back end, and vice versa. I'm actively seeking resources and tutorials to help me navigate this aspect of development.

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

  I want to talk about the different potential technologies, frameworks and languages I could use (for the front end and back end).

- **Future Goal**: What do you plan to accomplish before our next class meeting? These plans should be related to roadblocks or discussion points. It you plan to change direction, explain why.

Before our next class meeting, I plan to get deeper into full-stack development, particularly focusing on understanding the integration of front-end and back-end technologies. This is in response to the current roadblock I'm facing with front-end and back-end integration.

I will explore different frameworks that could be used for the Unicoin project, such as React or Angular for the front end, and Node.js or Django for the back end. My goal is to determine which of these technologies would best suit the needs of the project.

To achieve this, I plan to watch tutorials on these programs and frameworks. These tutorials will provide me with a practical understanding of how to use these technologies, which will be important as I continue with the development of Unicoin. This self-directed learning will help me overcome my current roadblocks and keep the project moving forward.

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 have spent 5 hours on my project. And this is the breakdown on the time:

1. **Figma Prototype Creation** (90 minutes): I spent an hour and a half creating a prototype of the Unicoin app using Figma. This involved designing the user interface and planning the user experience.
2. **Exploring MIT App Inventor** (90 minutes): I spent an hour and a half exploring and experimenting with MIT App Inventor as a potential development tool for my app.
3. **Designing a Mock-Up** (60 minutes): I spent another hour to designing a more detailed mock-up of my app, further refining its look and feel.
4. **Learning Basic Concepts** (60 minutes): The remaining hour was spent watching tutorials to understand some basic concepts related to app development.

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

5 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.

9 hours- I’m currently 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)