Meeting Entry – January 25, 2024

Goal: Breaking down and assigning backlog

Summary:

Researched sample designs for each part of the main project so we could assign a design to everyone to get working. Once everyone has their sample designs working, we can begin to start combining some of the elements that we will have practiced through the samples.

Meeting Entry – January 30, 2024

Goal: Worked on individual example designs

Summary: I worked on my example design which was a button state tracker. I was able to get the design working properly and I experimented with adding more features to it. I successfully added GPIO for the RGB LEDs on the FPGA which served as a good learning experience.

Meeting Entry – February 1, 2024

Goal: Began discussing presentation and example designs

Summary: We began discussing the upcoming presentation and some members continued their example design work if it wasn't already completed.

Meeting Entry – February 6, 2024

Goal: Create presentation

Summary: Divided up the slides of our presentation and began filling them in. Everyone is clear on what they are presenting and what must be worked on.

Meeting Entry – February 8, 2024

Goal: Presentation

Summary: Presented without issue.

Meeting Entry – February 13, 2024

Goal: Planning our next backlog and peer evals

Summary: We worked on our peer evaluations and once we were finished, we started discussing the next backlog items and who may want to do what.

Meeting Entry – February 15, 2024

Goal: Breakdown backlog and assigning tasks

Summary: We finished up the backlog for this sprint and broke down the tasks. Everyone has now been assigned backlog items and knows what they need to do. We will be adding components to our working microblaze design and improving the web interface and functionality.

Meeting Entry – February 22, 2024

Goal: Documentation

Summary: As a group we updated our design documents based on feedback received. We also added or changed anything to accurately reflect the changing scope of the project.

Meeting Entry – February 27, 2024

Goal: Web Interface Refresh

Summary: Discussed what changes we would like to make to the web interface to make it look more appealing and easier to use. We were able to implement some features on the same day.

Meeting Entry – February 29, 2024

Goal: Presentation Prep

Summary: Started working on our presentation and distribution of slides to be discussed.

Meeting Entry – March 5, 2024

Goal: Presentation

Summary: Presentation went okay, and we were able to make some progress on the website GPIO interaction beforehand.

Meeting Entry – March 19, 2024

Goal: Working design for everyone

Summary: We were finally able to get a stable design that we can set up on everyone's computers so that we are all working with the same thing. This will significantly reduce problems that arise from having minor changes between our designs. We spent the time setting up the project identically on everyone's computers.

Meeting Entry – March 26, 2024

Goal: Backlog

Summary: The final sprint is focused on adding features to the webserver that will interact with the FPGA's GPIO and potentially more like I2C or SPI. We defined the backlog and distributed tasks to begin working on.

Meeting Entry – March 28, 2024

Goal: Button GPIO connection to web server

Summary: I worked on resolving the issues with the button GPIO not communicating properly with the web server. We were able to get the LED GPIO working properly so this should be a good reference for getting the buttons working properly.