

Team Name: sddec21-02

Team Members:

Matthew Dwyer

Prince Tshombe

Cody Tomkins

Spencer Davis

Braedon Giblin

Report Period: Sep. 14-27

Summary of Progress in this Period

Cody - The documentation PR from last semester is fully up to date based on the edits and work suggested by the open source community. We are awaiting a final response from the repo owner to see if additional changes are required, or if we can merge our PR. I created some diagrams to aid the understanding of our application, including a use case diagram. These will be added to our group google drive once all are complete. Finally, I helped draft a road map of the project for the remainder of the semester. This will be shared with our client on Tuesday, September 27th, to show what we think is feasible to accomplish before the class is over. We are hoping for some feedback from our client on this and to adjust time frames accordingly.

Matt - The demo for the remote-port implementation using the new and updated libraries from Xilinx is still a work in progress. I am still going to strive for my goal of getting a demo in a basic working condition by the next meeting with our client on Tuesday this week. I am hopeful but could also see this slipping another week.

Prince- Our group was able to present the PIRM in the last two weeks, and the team continued to work on open source which was provided by the client. The goal of the project is to utilise all resources and simulate using modeling standards. We continued our design by using the IMU as a system device and the Xilinx Soc as a library. We are meeting regularly with our advisor for more follow ups for the group progress.

Spencer - Got started on diagrams for project presentations and demos, though these are a work in progress, I am hoping to get them finished by tonight (Monday night) in order to show them to our client at our meeting on Tuesday.

Pending Issues

Plans for Upcoming Reporting Period

Cody - I will continue to create diagrams to aid in the understanding of the application. Once Matt and Braedon are complete with their initial demos, I would like to help test and continue development on the key pieces they are creating as well. We have further responsibilities that

need to be designed and assigned as well, so we will have a better understanding of duties among ourselves after our meeting with our client on September 27th.

Matt - Continue to develop the remote-port demo and get it into working order. Ideally this next week will be spent continuing to add features and build a robust implementation. This could change if the demo hits additional setbacks. I will also be ensuring that our PR gets pushed over the finish line since that is something that has been stalled for too long.

Prince - I will continue to update our group website, this is a new skill I am learning and will keep on learning for the rest of the semester. I am currently spending time understanding how to update the senior design.

Spencer - Continue to refine diagrams. I dont think this will take very long once I have rough drafts of them finished tonight. After I am finished with these, I will discuss with the group about how to continue to contribute to the project.

Weekly Hours Worked

Team Member	Hours Worked (Both weeks combined)
Matthew Dwyer	8
Prince Tshombe	6
Cody Tomkins	8

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Spencer Davis	7
Braedon Giblin	8