CS1980 – Hardware / Software Interface

Deliverable 2 – Midterm Update

Rob Colleran, Eric Hochendoner, Andrew Panzl

POC: Don Bullock

Our team is currently in the early development and design stages of this project. No user stories have been fully implemented but much of the division of labor and general design of the project has been established. Much of our time so far has been spent coming to agreements on work division, user story prioritization, and design aspects. This involved creating documents, including a System Requirements Specification (SRS), System Design Document (SDD), Statement of Work (SOW), and Working Agreement. Creating the SDD, in particular, required us to map out a lot of design aspects (languages, libraries, scope and modules of each software component, etc) ahead of time.

Some new user stories needed to be added based on new information from our POC. For example, he decided that sockets should be used for any and all communication between the software components. He also specified a few libraries that he wanted us to use. While he typically has avoided specifying implementation details in the past, he felt these were necessary to keep the project on track as we were continually learning about the hardware and how to communicate with it. A few user stories were also removed based on our progress so far. The POC is no longer requiring us to write code to invert the raspberry pi’s wifi adapter and no longer requires the logic engine to accept input of absolute angle locations. These were removed due to time constraints and the fact that they were considered very optional from the start.