

Team sdmay22-02

Project Title: Roomba Swarm

Date: 10/10/21

Members:

- Individual 1 - Adam Brandt
- Individual 2 - Joshua Arment
- Individual 3 - Hunter May
- Individual 4 - Greyson Jones
- Individual 5 - Devon Kooker
- Individual 6 - Marcella Anderson
- Individual 7 - Noah Kiel

What we've accomplished in the past week/what we've been researching:

- Individual 1 - Read through the old team's code and reports to help my understanding of the project.
- Individual 2 - Worked on developing the project plan, and solidified my understanding of the preexisting code from the previous team.
- Individual 3 - Read through the old team's code so that I can have a better understanding of their logic going forward.
- Individual 4 - Read through the old team's code for webots and prepare to plan out design implementation.
- Individual 5 - Looked to see if any of my old 228 code would be usable for this project. Also began reading documentation for the lidar and how it works exactly.
- Individual 6 - Continued to read through the old team's report. Helped with project plan and lightning talk
- Individual 7 - Project Plan/schedule. Attempted to compile and run C++ roomba code. Fixed many code issues and refactored functions that define the robot's core functionality.

What we're planning to do in the coming week:

- Individual 1 - Work on design assignment and fully understand existing code to begin our project.
- Individual 2 - Properly organize the meeting minutes, work on the project's design, and shift my focus toward understanding the rewritten code that Noah pushed into the repository.
- Individual 3 - Continue going through code, and start implementing it on the physical bots.
- Individual 4 - Continue reading through the old team's code for webots and preparing to plan out design implementation.
- Individual 5 - Look at prices of lidar sensors and how to get the ordering process started
- Individual 6 - Work on design assignment and begin looking at old cpre 288 projects
- Individual 7 - Either move robot code back to c and try to run on robot, or move oi_interface code into robot object

Issues we had in the previous week:

- Individual 1 - None
- Individual 2 - None
- Individual 3 - None
- Individual 4 - None
- Individual 5 - was unsure of how sensors will go 360 degrees with wires
- Individual 6 - None
- Individual 7 - My C++ code had a linking error with c code from the 288 labs.