CPRE 491 Weekly Report #1

Team sdmay22-02

Project Title: Roomba Swarm

Date: 10/03/21

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 – Worked on requirements and standards for project

-Individual 2 - Explored the example project in the repository, looked into the previous team's WeBots code, and worked on the Requirements, Constraints, and Standards assignments.

-Individual 3 - Set up a roomba with a CprE 288 project, to refresh myself on the process of pushing code to the roomba, and how to access it wirelessly. Worked on our Requirements assignments.

-Individual 4 - think about real world design implementation for roomba coordination.

-Individual 5 - Looked into LightR sensors and past additions the team before added to the virtual roombas.

-Individual 6 -Worked on requirements and reading through last years paper to see what they accomplished and how they did it

-Individual 7 - I have been trying to use Hunter's 288 code to create a C++ robot class

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

-Individual 1 –Work on project plan assignment

-Individual 2 - Look at the example project in practice via WeBots to better understand how the project is supposed to work.

-Individual 3 - I(Hunter) am planning on spending a couple of hours going through last year's code and comparing it to the previous CprE 288 code, so that I can more easily see what they've done and how to improve upon that.

-Individual 4 - Read through the old team's code for webots and prepare to plan out design implementation.

-Individual 5 - Gather a buy list of items we will need to add to the bot.

-Individual 6 - continue looking through the old teams work and get started on our project plan

-Individual 7 - Getting the C++ to run on the Roomba

Issues we had in the previous week:

-Individual 1 - None

-Individual 2 - None

-Individual 3 - N/A

-Individual 4 - None

-Individual 5 - None

-Individual 6 - None

-Individual 7 - None yet