

SE 491 WEEKKLY REPORT 03

Sept. 16, 2018 – Sept. 22, 2018

Group Number: sdmay19-09

Project Title: Mars Rover

Client &/ Advisor: Ben Zambreno (client), Craig

Team Members/Role:

- Calvin McBride / Note-Taker, Secondary Point-of-Contact, Software Developer
 - Sam Westerlund / Meeting Facilitator, Primary Point-of-Contact
 - Mitchell Freshour / Technical Lead
 - Douglas Kihlken / Hardware Lead
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- Weekly Summary

We discuss possible scope changes for the rover platform with our advisor and decided we will contact the client to set up a meeting.
 - Past Week Accomplishments

Talked with client to better clarify expected outcomes and inputs from the team, such as the time and resources it would take to complete. There is now a basic Node.js server that communicates and receives image data and its subsequent classification via websocket from the Python backend.
 - Pending Issues

The team will need to quickly discuss with the client any changes to the project's scope so that we may begin acquiring parts. Until we decide if we are sticking to the original project proposal or changing the robot for something more manageable, buying hardware would be a port decision. We need to get an camera for the raspi and test the streaming code with it.

○ Individual Contributions

NAME	CONTRIBUTIONS	HOURS THIS WEEK	HOURS CUMULATIVE
Calvin McBride	Discussed with team leader about contacting client and rescoping project. Discussed possible alternatives to executing project that would be more manageable to the team.	4	17
Sam Westerlund	Coded a basic websocket server and client to stream camera and image classification data.	5	16
Mitchell Freshour	Met with faculty advisor to discuss project scope and possible alternative rover designs. Researched lidar functionality and capability	4	14
Douglas Kihlken	<i>[Douglas has not communicated any of his contributions for this week to the team]</i>	N/A	N/A

○ Plans for Upcoming Week

- Calvin will contact client and set up a meeting to propose altering the scope of the project to include a smaller, more manageable robot (perhaps one that is prefabricated to reduce time building and more time extending it).
- Sam will be continuing to work on the streaming of image data and work on building up the client website a little.
- Mitchell will research lidar and possible camera options further
- *[Douglas has not communicated his upcoming plans to the team]*