Weekly Status Update - 05

Team Members:
        Calvin: Note Taker and Lead Software Engineer
        Sam: Communication lead and Meeting facilitator and Software Engineer
        Mitchell: Technical Lead
        Douglas: Hardware Lead

Past Week Accomplishments:
        .Calvin sent ETG a list of parts to order so that the team can begin building the rover. We worked on building out the software more. Our client suggested we move away from sending each image frame and instead use a video stream. We agree with this approach, as the connection to the mars rover will be limited, and a video stream is much more network efficient. We also talked about the new hardware we wanted to include on the mars rover. Integration of a 360 degree camera and/or Lidar was discussed. We are currently looking into adding these components, but it may be an issue because of time and budget constraints. The decision to move away from Node.js and the template engine Pug to React was made, because React is a new and expanding technology which will allow future students working on the project to implement more features easier on the frontend.

Pending Issues:
        We are waiting to hear back from ETG on the acceptability of the parts list we sent. We are also waiting to test the written code, because there is no hardware to test it on. Current implementation decisions on the sensors we are using are being evaluated.

Individual Contributions:

Team Member	Contribution	Weekly Hours	Total Hours
Sam Westerlund	Researched React and worked on switching the frontend over to it. Also worked on streaming video instead of streaming images.	5	25

Calvin McBride	Sent ETG parts list for rover.	2	22
Mitchell Freshour	Searched for potential PCB makers for the rover, and researched parts and implementation for additions to the rover	2	22
Douglas Kihlken	Read up on assembly docs and researched unfamiliar assembly processes to be ready for assembly (soldering, robotics assembly, circuit board creation/programming/wiring)	2	18

Plans for Coming Week:
Calvin will work on project plan and wait for response from ETG on the status of ordering parts.Mitchell will work on project plan and design document.Sam will continue to work on the software for the Mars Rover. The team will start looking more into the Mars Rover's code and how exactly to integrate our new hardware components with the software. Some coding for this will take place next week and or the week after, depending on when the parts arrive so we can verify the software included will function.