MEMORANDUM

TO: Professor Healy
FROM: *Zak Rowland*
DATE: 2-13-20
SUBJECT: "Weekly Status Memo"

Problems

　　　We have no serious problems at the moment. One issue we are starting to notice is difficulty dividing up the remainder of the work since the modules are close to being finished. We also didn't get to test the RGB LEDs with the shift registers this week because we got sidetracked with other things, but this is okay because we can test them next week.

Progress

　　　Substantial progress has been made this week on the project. James was struggling with building the website and I was beginning to worry we would fall behind, so I spent most of the weekend building the website from scratch using a different tutorial that James found. This tutorial allows the ESP32 to host real HTML and CSS files, so it is much more like building a real website which I am familiar with. The website now stores all the room states server-side in 2D arrays which can be accessed to interface with I/O (in our case LEDs.) Hayden helped me debug some code for the website as well as labelled wires for the shift registers so integration will be much easier. James added time functionality to the motion sensor code to make the LEDs stay illuminated for a set amount of time after the sensor is no longer reading motion. Beto worked on RGB functionality.

Discussion

　　　We still need to discuss who will be doing which parts of the design review, and also who will be working on which portions of the documents due at the end of the term.

Next steps

       I need to finish the login/logout functionality of the website which I'm close to finishing, then we can begin integrating all the modules. We will then finish up our design review next week and practice the presentation.