

# MEMORANDUM

TO: Professor Healy  
FROM: *Zak Rowland*  
DATE: 2-27-20  
SUBJECT: "Weekly Status Memo"

## Problems

We don't have any problems currently that we recognize.

## Progress

Over the weekend and past few days I finished the main functionality of the website including ability to mass update all room states and integrating motion sensors. This week in lab we all worked on integrating the RGBs with the website. We were having trouble getting it working, however we finally noticed that one of the ground pins for a shift register came undone. Once this was fixed, the RGBs and registers functioned flawlessly. We tested it with our wall-wart, and it continued to function as expected. We also agreed that James and his dad would build the motion sensor housing out of wood if his dad is okay with it, otherwise we will 3D print.

## Discussion

We need to discuss what is left to be done this term and who will be doing which parts.

## Next steps

Now that the RGBs are confirmed to work in the main server file, I need to make a function that updates the colors depending on the room states of the current day and hour. After that, we need to house the components, and if there is time left work on stretch goals/improvements.