Weeks 7 - 8 Status Report

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**Section:** 9 AM

**Date:** 3/2/18

1. What did you find the most challenging when creating a PCB layout for Homework 2, and how did you overcome those challenges? Provide specific examples. *(20 points)*

I found routing traces to be the most challenging aspect. I overcame this challenge by using the auto trace tool. However, I then had to go back and increase all the trace widths and move some things around, which was its own challenge.

2. How are you individually contributing to the deliverables due this week (Hardware Design, Software Design, and Mechanical Design)? Provide specific examples.  
*(20 points)*

I provided the schematic for my subsystem. I also made the software diagram for our scorepad. I created an activity diagram for this using Lucidchart. I also printed all of our handout packets and helped compile previous assignments into both the customer and the technical packets.

3. What did you individually learn from the feedback you received in the technical round during the design reviews? Provide specific examples. *(20 points)*

I learned that it needed to be clearer where in the software design the scorepad and game board synced with each other. I also learned that we could decrease the number of I/O expanders needed by multiplexing our sensors on a grid.

4. What did you individually learn from the feedback you received in the customer interaction round during the design reviews? Provide specific examples. *(20 points)*

I learned that when describing the product, we needed to be clearer about what features the scorepad has. I also learned that I need to be clearer about how the scorepad can be used without the game board and how the game board is just an example of possible expansions.

5. What did you individually learn from reviewing others’ designs during the design reviews? Provide specific examples. *(20 points)*

I learned that it is difficult to describe a product in a way that makes sense for someone who knows nothing about it. I also learned that many other teams are using hall-effect sensors and PICs, just like us. I learned that durability is a major concern for many products.