**Group Progress Report**

**Group**: Drew Levy, Sam Fox, Harvey Shi

**Project**: Limb Loading Monitor

**Date:** October 22, 2017

**Goals for the past week** (copied from last progress report)

1. If pressure sensors arrive, test them out and see how they work
2. Start research on intellectual property assignment
3. Plan out what prototype of device will look like

**For each goal above, comment on your progress**:

1. The Wii Fit board and [Velostat sheets](https://www.adafruit.com/product/1361) both arrived. We tested both on Thursday, taking apart the Wii Fit board to try to get to the strain gauges, and building a circuit for the Velostat. The strain gauges seem to be very solidly put together, so we decided to abandon the idea of dissecting them. The Velostat circuit actually seems to work really well.
2. We completed the IP assignment and turned it in.
3. We have thinking about prototype designs. The Moon Shoe could be a promising candidate.

**Goals for this week**:

1. Keep developing ideas for the prototypes.
2. Put together presentation for 11/2.
3. Keep testing the Velostat circuit and get it ready for 11/2.
4. Put the Wii Fit board back together so we have a testing platform for evaluating weight measurement accuracy. There are libraries for interfacing the board with a computer.
5. Buy some more pressure sensors.
6. Use standard weights for testing.

**Are there any difficulties with which you need assistance?**

N/A

**Other comments:**

N/A