**Group Progress Report**

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

**Project**: Limb Loading Monitor

**Date:** October 29, 2017

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

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.

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

1. Had a good white-boarding session in class, and identified all the different components on the drawing. Moon shoe (sensor outside of shoe) and insole (sensor inside of shoe) seem to be the two most promising directions. We need more data to figure out which one works best.
2. Formatted intro and background sections and are assembling the prototype description and images.
3. We’ve created a Bluetooth-connected digital sensor (separate from Velostat) that we can use to validate the accuracy of the Velostat sensor circuit.
4. Wii Fit board is reassembled and connected with the computer.
5. No progress.
6. No progress.

**Goals for this week**:

1. Get client feedback on Moon shoe vs. insole designs.
2. Finish preparing poster presentations.
3. With connected Wii Fit board, test Velostat sensor for weight range, accuracy and consistency.
4. Buy more pressure sensors.
5. Obtain standard weights for testing.

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

None.

**Other comments:**

None.