**Spike Plan**

## Name: Using the Adafruit Fast Vibration Sensor Switch (Easy to trigger)

**Context:**

The sensor is a possible use in the shower sensor project because it is cheap and could be used as a part in the process of determining if the shower is running. The sensor was bought from http://tronixlabs.com/sensors/vibration/adafruit-fast-vibration-sensor-switch-easy-to-trigger/

**Knowledge Gap:** Does the sensor perform as expected (trigger from the vibration of a shower head which is running water.

**Skill Gap:** How to use the sensor.

**Technology Gap:** Is the sensor appropriate technology for this job.

**Goals/Deliverables:**

1. Guide on connecting the sensor.
2. Outcome report on how sensor works.
3. Test of sensitivity and appropriateness for the job as shower sensor.

**Planned start date**: 07/04/2015

**Deadline:** 08/04/2015

**Planning notes:**

1. Design circuit for breadboard that integrates the sensor.
2. Verify sensor works as expected.
3. Attached sensor to a shower head or tap.
4. Verify the water flow is sufficient to trigger the sensor.