**DATE:** February 16, 2015

**TO:** Dr. Deji Akinwande

**FROM:** Jake Boydston

Felix Cruz

Conan Gammel

Ryan Garcia

James Schulman

Matt Waits

**SUBJECT:** Weekly Update

**ACTIVITIES COMPLETED**

* Ordered circuit components
* Successfully sent TCP packets from microcontroller through iPhone hotspot (wifi) to another computer at a different location

**ACTIVITIES TO BE COMPLETED**

* Find new light bulbs that will ship quickly
* Ping website from microcontroller with http request

**INDIVIDUAL CONTRIBUTIONS**

James and Matt collaborated to successfully test the transportation of TCP packets from the microcontroller to a remote computer. Conan worked on the website and coded 7 new Java files. Jake Ryan and Felix collaborated on finalizing the parts list and worked on circuit diagrams.

**MAJOR ISSUES**

* Find and order new LED lights
* Circuit Design
* Communication from the microcontroller to the website

**REVIEW OF ISSUES**

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| --- | --- | --- | --- |
| Issue | Description | Person Responsible | Current Status |
| LEDs | Had to find new bulbs, which could change circuits slightly. Trying to find a circuit design program compatible with external components (like TI chips in multiSim) | Ryan, Felix, Jake | Searched all day this Monday. Ordering test bulbs/ sending in a new order. |

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| Circuit Design | Trying to find a circuit design program compatible with external components (like TI chips in multiSim) | Ryan, Felix, Jake | Investigating other resources. Going to seek advice from Fred. |
| MC-> Website Comm | Trying to use 2-way communication between microcontroller and website | James, Matt, Conan | James and Matt are working on the MC side setting up a program to send HTTP requests. Conan is working on a website to test requests from MC |