Senior Design Weekly Report

Weekly Report 13

Group: May-06

Group member: Chongli Cai, Qiaoya Cui, David Hoffman, Andrew Kom, Ailing Mei

Client: Garmin International

Advisor: Dr. Colin Christy

Period: 1/13/2013-1/19/2013

Date: 1/20/2013

Goals to Meet

The goals for this first week were to get caught up on progress made during the break, look over everyone's availability to find a time for hosting meetings, and develop a plan for where to focus next.

Weekly Progress

We met briefly after the 492 class, and discussed the need to find a new meeting time. We also got in contact with our client to determine some parts that we wanted but due to a communication issue, we didn't get them over the break. On Sunday, we also met to try to create a temporary method of connecting the MSP430 to a Putty terminal (which will eventually become an LCD screen) so that we can continue work on the measurement side of the microprocessor programming.

Future Planning

In addition to the LCD screen that has serial communication capabilities, we ordered a couple of SD card breakout boards to be able to use in a more permanent prototype build. This week, we will hopefully have communication between the PC and MSP430 so that we can start sending read signals to the MSP430 to be interpreted and sent to the Putty window.

Pending Issues

We are currently working with the intention to use the MSP430 for our prototype logger. We are still working on making sure that this MCU will satisfy all the needs we have for the logger's functions.

Individual Contributions

Andrew:
Weekly Report 13
Organized Future Meeting Times
Attempted integration of RS232 D-shell into MSP430

Chongli:
Updated website with newest Weekly Report
Continue the PCB layout

Ailing:
Continue the PCB layout

Qiaoya:
Attempted integration of RS232 D-shell into MSP430

David:
Developed Communication for MSP430 to SD card reader
Attempted integration of RS232 D-shell into MSP430