Senior Design Weekly Report

Weekly Report 19

Group: May-06

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

Client: Garmin International

Advisor: Dr. Collin Christy

Period: 2/25/2013 - 3/3/2013

Date: 3/3/2013

Goals to Meet

After a discussion with our advisor about being behind in the project, we put in a very long day on the following Sunday. Our goal was to simply get a demo prepared that shows the real time measuring of the voltage, current and sensor circuits, as well as displaying the time measuring function.

Weekly Progress

On Sunday, we met for 5-6 hours to work on the compilation of our code. A large portion of our time was devoted to getting the voltage current and temperature measurements to display on a looped interval. Additionally, we wanted to make big dent in the UI code and SD card saving code. We were successful with getting the values to display in a loop, and are able to present a demo for our advisor. We did not completely finish the UI code and SD card code, but we have successfully saved information to the SD card. We are still working on understanding how to save in a good presentable fashion. Also, the UI code is mostly done, but requires some additional time to write.

Future Planning

Our plans for next week are to work out the method of writing 3 values in columns of a comma separated values file on the SD card. Also, we need to get the UI figured out by next week, and implemented. Additionally, we will started laying out the PCB and continue to test the accuracy of our measurements.

Individual Contributions

Andrew:
Wrote the Weekly Progress Report 19	1 hour
UI code development	13 hours

Chongli:
SD card testing	5 hours

Ailing:
SD card testing	5 hours

Qiaoya:
Temp sensor Hyperterminal testing	3 hours
SD card testing	5 hours

David:
Combining code	10 hours