Smart Home Meeting November 22, 2012

Wi-Fi/Sprinkler control progress
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For the previous week I was able to accomplish a lot, I finished adding the support and figuring out the bugs in code for the sprinkler system. I was able also to build a relay that will control the water pump so it can be triggered to turn on depending on the time of the day and also on the moisture sensor value. I have also built a circuit that will trigger an relay to turn on the light depending on the values coming from the motion sensors and the trip laser wire. I have also started making everything more compact to be able to fit it in the box where the outlets are all kept. Currently I am having issues with serial communication that is grabbing the buffered information from the outlet power consumption.

Next thing is to start helping with the server to assist with getting the information from the wifi server on to another page to make it look more user friendly. And assist also with other things that need to be done for the demo day.

Levi

I finished a lot of my serial communication protocol from the epic cube to the server. I also was able to setup the stepper motor, it works like a champ. I've tested it with 2 different stepper motors. I also attached a heat sink to the stepper motor chip in a ghetto fashion (super glue).