BNL Meeting Agenda

April 9, 2013

1. SD Card:
2. Decided to write my own SPI interface routine. Online libraries posed too many challenges making them compatible with our system.
3. Simple code to transmit and receive data on SPI4.
4. Still having trouble reading and writing, though oscilloscope shows proper signals from microcontroller and microcontroller appears to be displaying proper functionality (debugged using LEDs on LATE).
5. Are pin and register configurations correct? Is the clock initialization correct? Issues with physical SD Card interface?
6. LCD Screen:
   1. Tyler: interface with board
   2. Separate board and microcontroller?
   3. Programming
   4. Enough pins?
7. Lasers + orders:
   1. Found new lasers (shipped from New Jersey)
   2. Ordering supplies and samples for the board
8. Board Layout:
   1. Is complete except for LCD interface
   2. Check?
9. Generating good sound
   1. WAV file -> decent sound by PWM
   2. It’s been done before (online sources)