**Electronics**

1. Arduino Uno
2. Data logging shield for Arduino (Adafruit)
3. Small reduction stepper motor – 5VDC 32-step 1/16 gearing (Adafruit)
4. Dual h-bridge motor driver for DC or steppers – 600mA – L293D
5. Photo Interrupter board with GP1A57HRJ00f (Karlsson Robotics)
   1. GP1A57HRJ00f sensor (SHARP)
6. 7-segment serial display (SparkFun)

**Circuit Schematic**

