**MEETING MINUTES – 3/23/2011**

Team: AutoBev

Leader: Alex Macomber

Minutes: Elizabeth Clark

Present: Lori Garcia, Mark Pomerenke

1. Flow Sensor
   1. No longer working due to high voltage coupled with inadequate resistor
      1. Resistance should be 50 Ω/V, not just 50 Ω
      2. Lori contacting Swiss Flow to inquire about getting a new sensor
      3. Will continue simulation of pulses using port C for testing
      4. Test flow sensor to see if it is drawing 20 mA as predicted
2. Microcontroller
   1. Will change output voltage to be 5 volts instead of 3.3 volts
      1. Displays work better at higher voltage
      2. No longer a need to run at low power
3. Board Design
   1. Will be reviewed by Dr. Schafer this week
4. Subsystem Demos
   1. Magnetic Card Reader
      1. Demonstrated ability to extract and store information from credit card tracks
   2. Customer Interface
      1. Demonstrated progression through interface
      2. Showed ability to order a mixed drink, or to pour own beverage
   3. Bartender Interface
      1. Demonstrated continuous communication between bartender interface and customer interface
      2. Showed a properly updating queue on the bartender interface
      3. Drink order number and current order being served displayed correctly on user interface
   4. Microcontroller to PC Interface
      1. Showed ability to continuously communicate between a Windows Form Application on PC and Microcontroller
      2. Microcontroller reported back amount of volume dispensed and stopped pouring when specified limit was reached
   5. Beverage dispensing/Sensing
      1. Working except pulses must still be simulated using port C
      2. Ability to open and close solenoid valve when desired