**MEETING MINUTES – 3/28/2011**

Team: AutoBev

Leader: Elizabeth Clark

Minutes: Lorena Garcia

Present: Alex Macomber, Mark Pomerenke

1. **Subsystem Demo Feedback:**

* Schafer said the demo went as expected, but he still wants to see the implemented flow sensor and is yet to have a feel of how we expect everything to work together (will be seen in next demo)

1. **Flow Sensor Update:**

* Lori contacted Swiss Flow and group will receive 2 new free sensors (probably within next 2 wks) in exchange for sending them the final project report

1. **Board Design**

* Mark looked over board design and the powering is correct for the flow sensor
* Discussed appropriate resistance needed in flow circuit
* Mark fixed switching circuit and going to check if it works with program after meeting
* Discussed type of sensor to use to detect cup:
  + Schafer suggested a mechanical switch
  + Mark is going to look into what type of sensor to use and modify board appropriately

1. **User Interface Adjustments**
   * Integrate with database
   * Card numbers to identify person (track one of credit card)
   * Implement error-catching statements
   * Verified that there is still functionality when more than one COMM port is in use
   * Discussed adding a section on each form to show current drink order being served

* Could do these on each form or have separate form showing at all times
  + Bartender will have unique card that will access specific place in database
    - Volume poured while changing keg will not be charged to anyone but will be monitored

1. **Microcontroller Code**
   * Liz began implementation of byte error checking
     + Will stop pouring and report error back to computer
   * Handle cases of byte error with error message on PC and by stopping pour
   * Convert pulses into volumetric equivalent on PC side (will have MC report pulses to PC in integer amount)
2. **Bartender Interface**
   * Lori is still working on getting instant response from bartender to customer upon received data
     + Problem with loop not allowing form to update visually
     + Need to figure out how to do without loop, but also without button
3. **Database**
   1. Need to take totals stored for the night and run a final transaction