**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