Registration Form

TEAM INFORMATION

Team Name/Project Title: MixoWatch

Department: Electrical Engineering

Faculty Advisor: Jeffrey Selman

Team Members: John Kincaid, Jon Capuano, Yuvakrithika Sethuraman, Travis Vance, Faisal Aljaidi, Ali Eid

PROJECT INFORMATION

Description:

A wrist mounted device that provides liquid dispensing information in the form of haptic feedback to the user and automatically tracks inventory in a database.

Abstract:

The system, mixowatch, is an electronic device intended to dispense specified volumes of beverages from bottles in commercial settings such as a chain restaurant bar or a hotel bar. It is made of small components that may be attached discretely to bottles or worn by a bartender. Beyond its basic functionality, the system has two primary objectives: It performs an inventory control function linked to a Point of Sale system; It’s usable with minimal training to allow a higher percentage of staff to take over bartending roles while also allowing flexibility for experienced bartenders. Mixowatch does not require a larger system to display a live inventory metrics. A remote database, connected via wifi, is able to accomplish this aspect. This database is also capable of relaying its information through wired connections to an inventory reporting system. Our design was further expanded to include an NFC reader which would read tags affixed onto bottles in order to account for different viscosities of liquor to aid in a more accurate pour.