

Homework 1: Team Building and Project Idea*Due: Friday, January 13, at NOON*

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Proposed Project Name: Digital Real-time Intelligent Networked Kegenerator**Team Members (#1 is Team Leader):**

- #1: Matthew Kocsis Areas of Expertise: Microcontrollers, Software, Mechanics
- #2: Justin Thacker Areas of Expertise: Software
- #3: Ian Snyder Areas of Expertise: Hardware Interfacing
- #4: Dustin Poe Areas of Expertise: Schematics, Technical writing

Project Idea #1:

Our project is to make a microcontroller based draft beverage dispenser. Features would include: Temperature control, User management, user and drink statistics, web based interface along with remote management, flow control and monitoring, and an LCD output. The device will recognize individual users based on RFID or magnetic card type inputs. The device would then record the amount and type of beverage dispensed, and create statistics and records. User accounts, beverage types and desired temperature would be set up using the web management tool.

other ideas?