**Automatic Water-Dispenser**

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My project idea is to create a smart protein dispenser, using my phone to notify the Arduino Uno and dispense both the protein powder and water to then create a protein drink. Ideally the goal is to create a prototype in which can be activated over a wireless network connection from anywhere. The setup of the device should include both a contraption that will release the powder, and then water at the appropriate amount. IF this goes as planned I would like to try add a delayed timer in which the device is programmed to activate the dispenser but have it wait a certain amount of time before releasing the powder and water (For when you are driving home or doing something for it to be readily available when you come home).

**Tools, Technologies and Equipment**

**Tools:**

**(Will probably change when advancing into project, these are just a rough estimate to what I’ll need to complete project)**

- Arduino Uno

-HC-05 Bluetooth Transceiver

-Solenoid valve/or some device that will dispense water.

-Breadboard

-LEDs

-Raspberry Pi

-Connecting Wires

-Relay

-Phone

-Ultrasonic sensor(maybe)

-Motor(Ex: Micro servo motor)

**Programming Language:**

JavaScript

**Project Repository**

TODO: Create a repository for your project. You can add this proposal to it!