**DRINKE: TRACK YOUR HYDRATION**

**ANATOMY**
- Lid
- Inner Cup
- Outer Cup
- Bottom

**CLIENT MOBILE WEBSITE**
- Home & Alerts
- Overview Chart
- History Chart

**LIGHT READINGS BY DRINK**
- empty
- coke
- water
- peppermint tea
- san pelligrino orange
- black coffee
- coffee & cream

**SERVER**
- Drink Prediction Algorithm

**CLIENT MOBILE WEBSITE**
- **Track Your Hydration**
- **Detects Weight & Calculates the Beverage Volume**
- **Displays Readings & Statistics**
- **Temperature**
- **Logic Board & Arduino**
- **Force Sensor**
- **RGB LED & Light Sensor**

**IMAGE CREDITS**
- Sensors, xbee, and Arduino: [www.Sparkfun.com](http://www.Sparkfun.com)

**FORCE SENSOR**
- Detects weight, calculates the beverage volume

**LID**

**INNER CUP**

**OUTER CUP**

**BOTTOM**

**XBEE RADIO**
- The brains of the operation

**LCD SCREEN**
- Displays readings and statistics

**TEMPERATURE**
- Detects illuminance to determine beverage type

**RGB LED AND LIGHT SENSOR**
- Displays readings and statistics

**THE BRAINS OF THE OPERATION**
- PCB & Arduino

**THE BRAINS OF THE OPERATION**
- Force Sensor: Detects weight, calculates the beverage volume

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