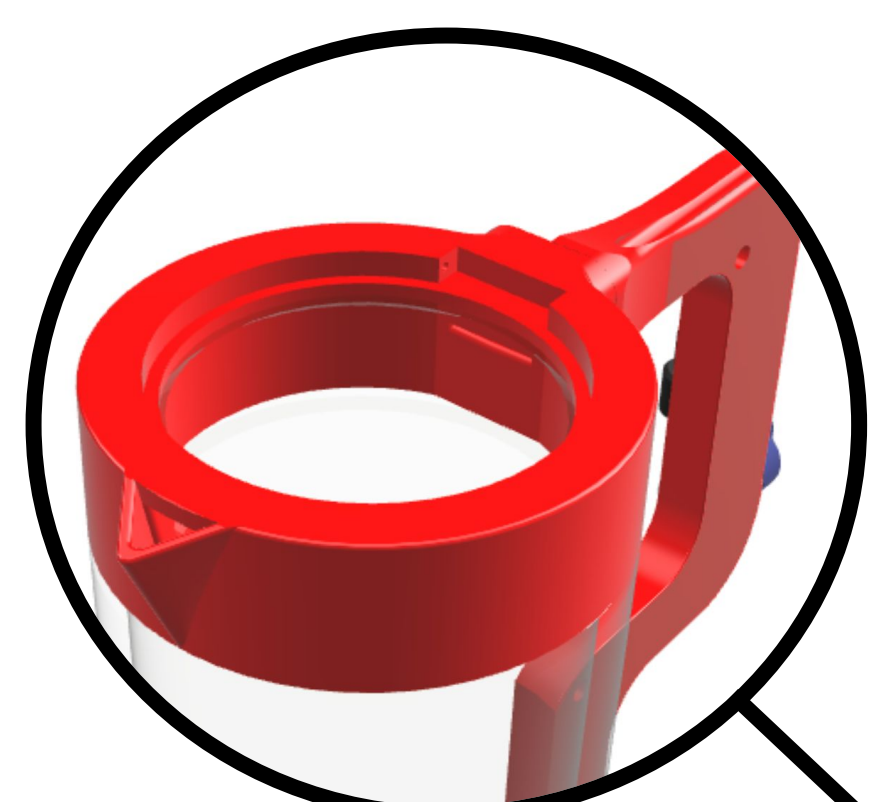
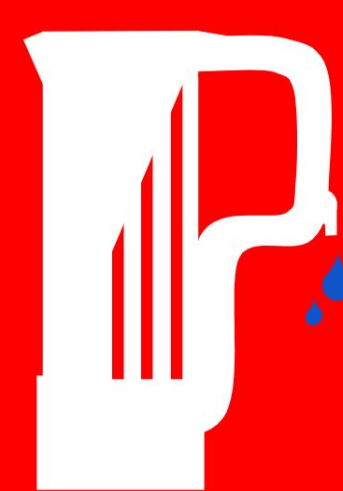


WATERFÜL

A pitcher empowering independence and health

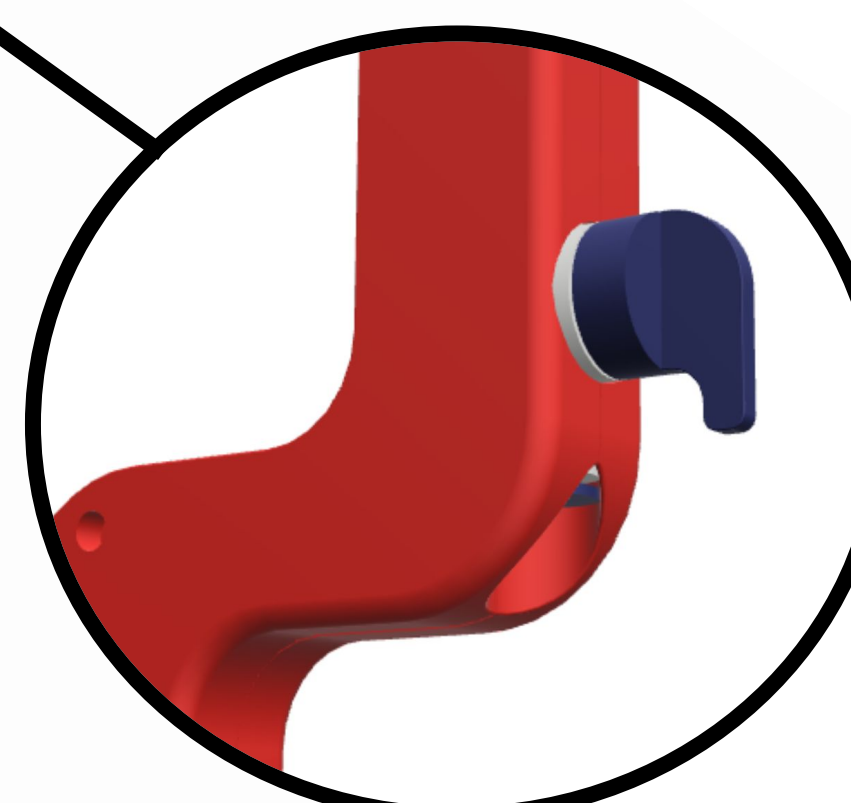
— kulmayk.com —



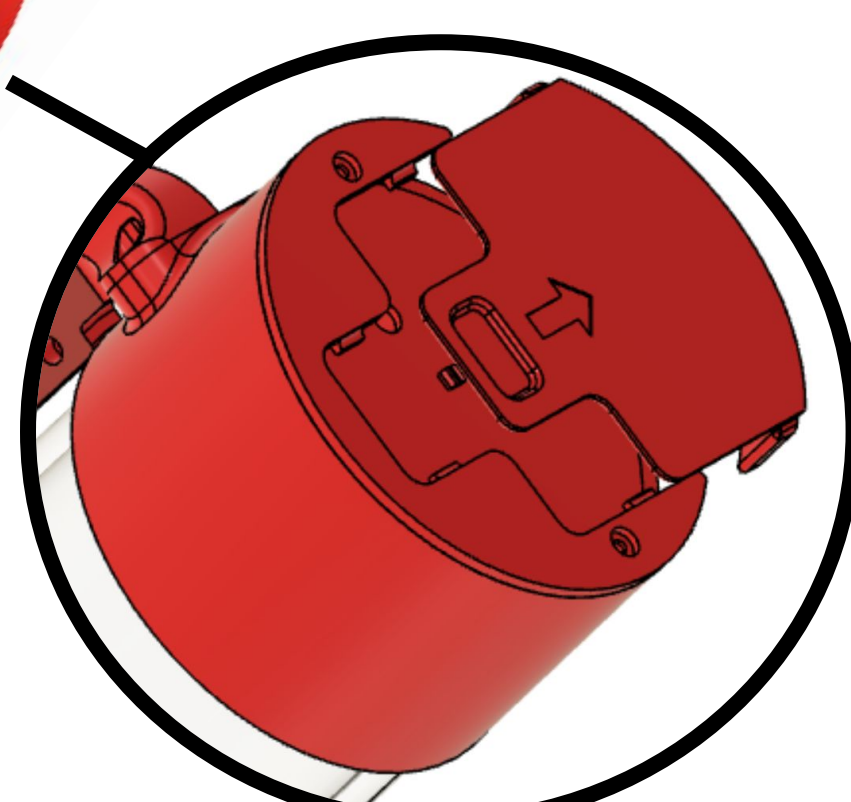
Waterfall Slot
Slot simulates sight & sound of waterfall



Form & Function
Tubing for pump and waterfall through handle



Easy Pouring
Intuitive spout to pump directly into mug



Custom tuning
Access to dials to set frequency of reminders and level of lighting



Hinged Lid
Allows for easy refills and addition of ice cubes



Stable Base
Weighted sturdy base houses electronics and prevents spills



Motivation

“One recent study found that 31% of Long Term Care residents were dehydrated”

-Noll Physiological Research Center, PA

“Adults older than 65 have the highest hospital admission rates for dehydration”

-UCLA School of Nursing study



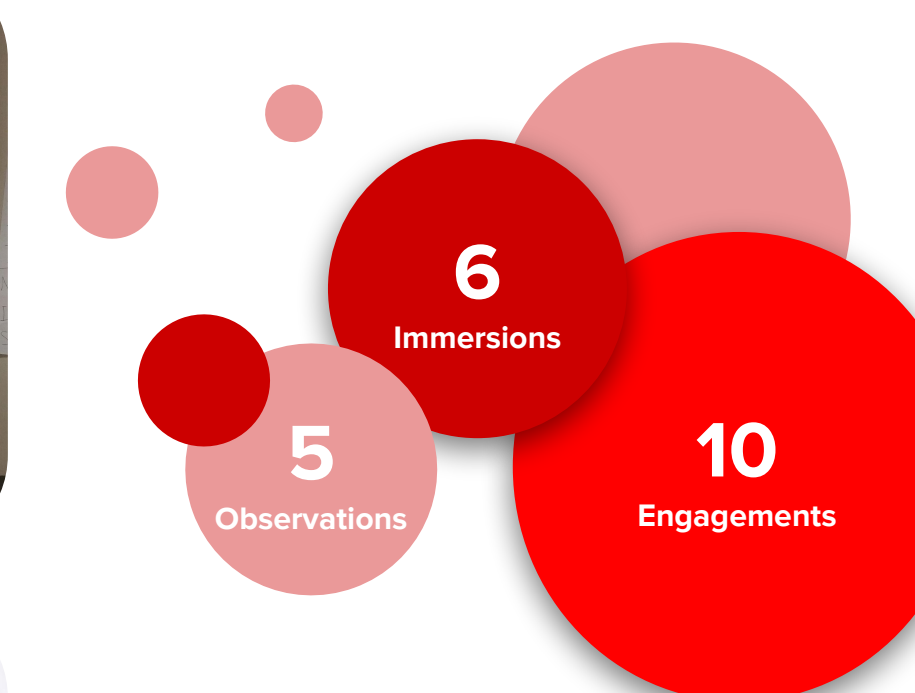
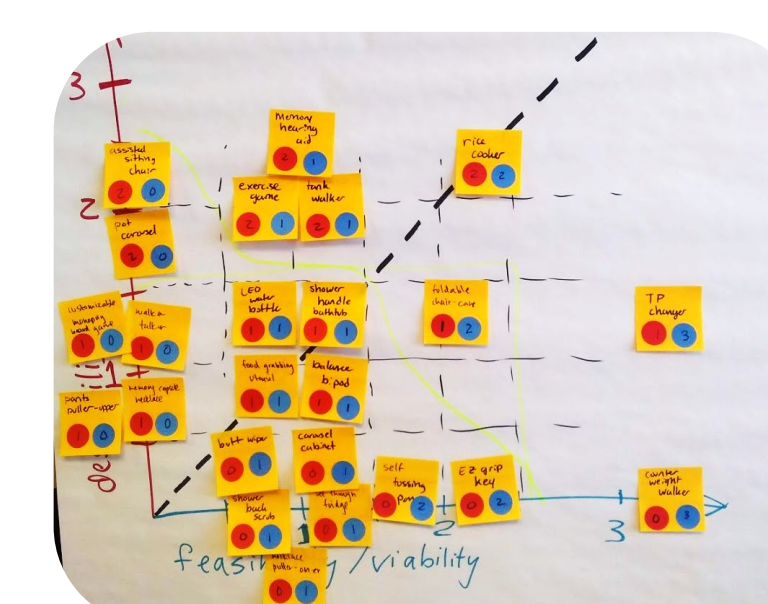
As we age, we begin to lose our sensation of thirst.

Disorders such as **Alzheimer's** and **Dementia** can accentuate this feeling, leading dehydration to be one of the leading causes for hospitalization.

Waterfül solves this problem.
Serving as an easy-to-use and passive centerpiece in the room, Waterfül uses organic, gentle reminders to stay hydrated.

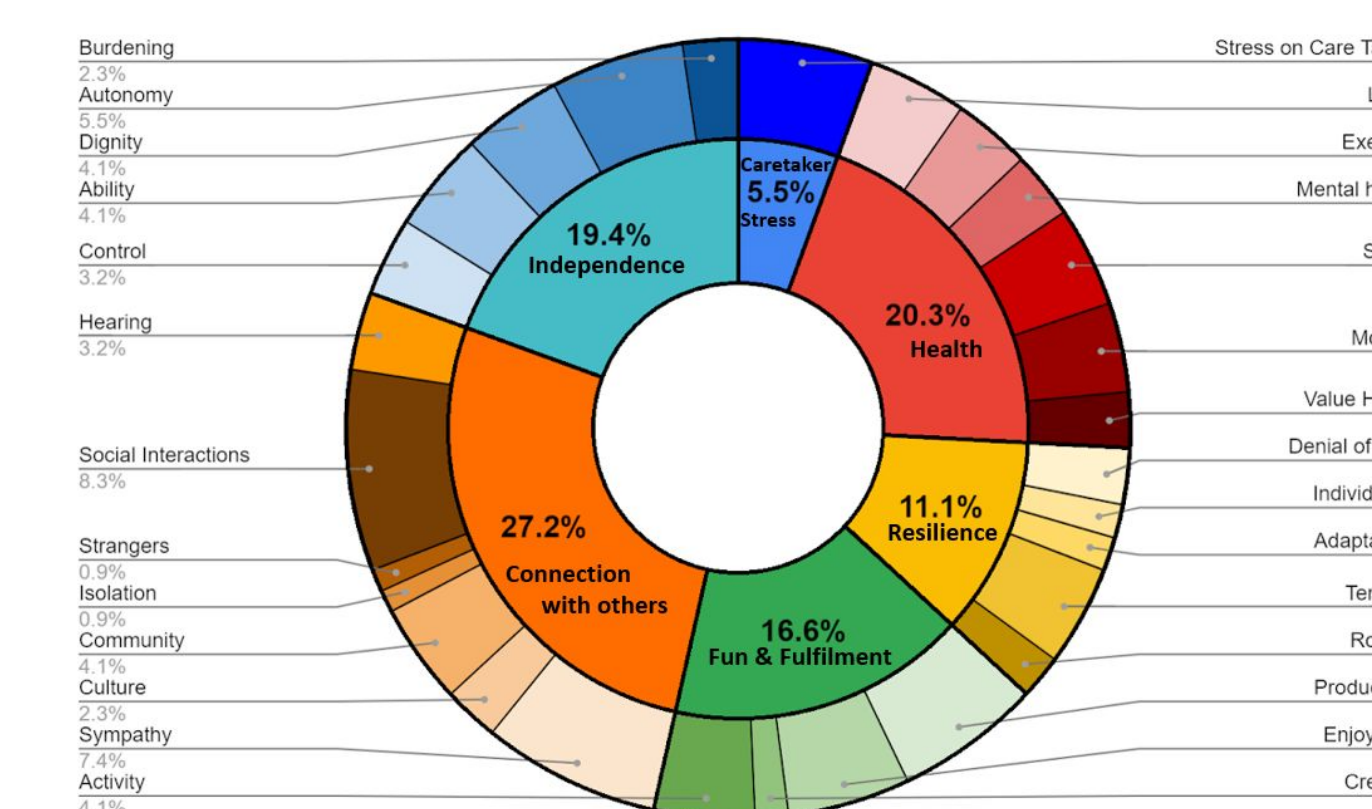
Empathy & Exploration

Our goal was to design an **experience** - this meant **talking to people** and **empathizing**.



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Emotional Data Points



Pain points:

- Sense of community
- Accessibility & convenience
- Taste of water

Field Work

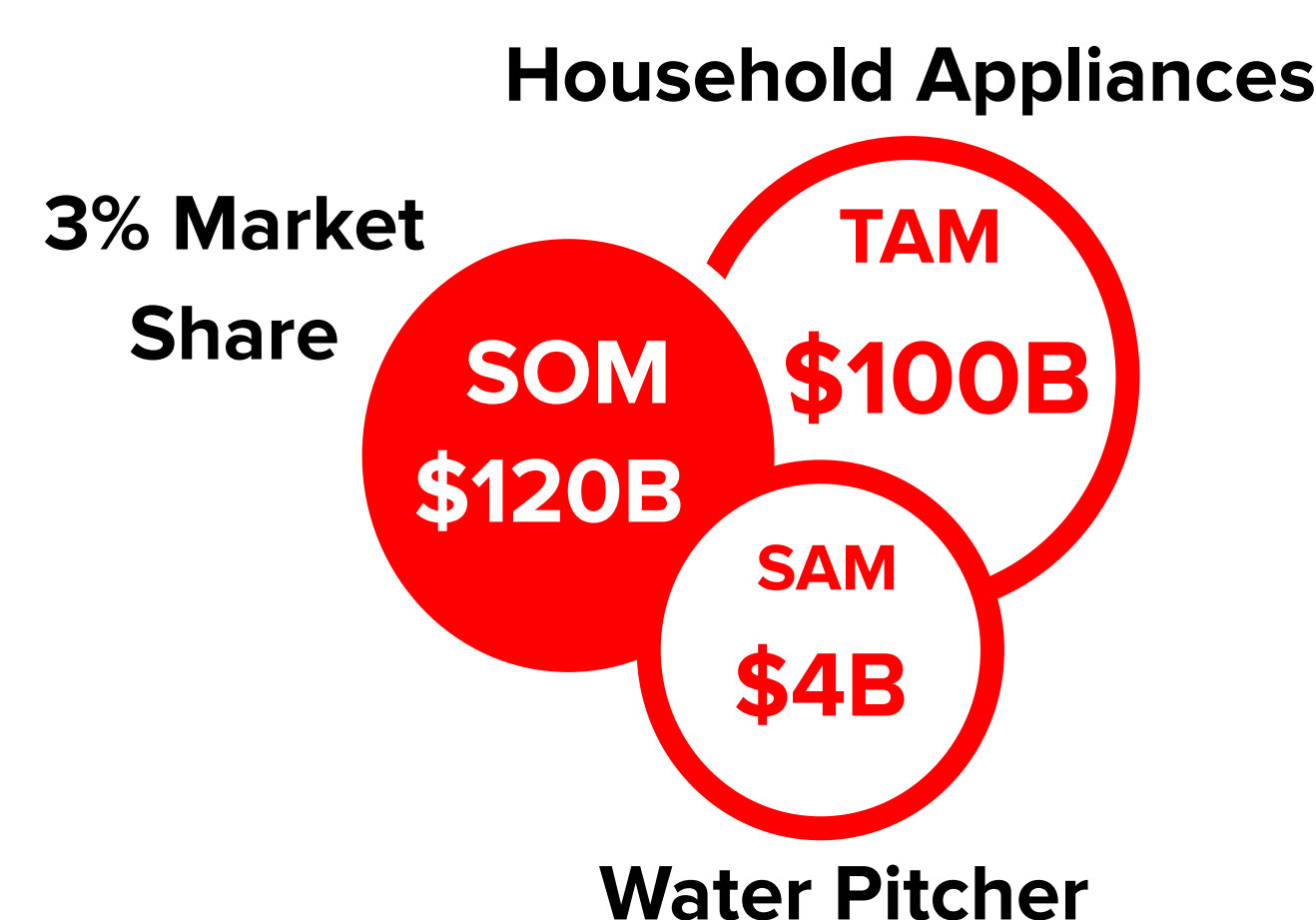
Unpacking

Data Points

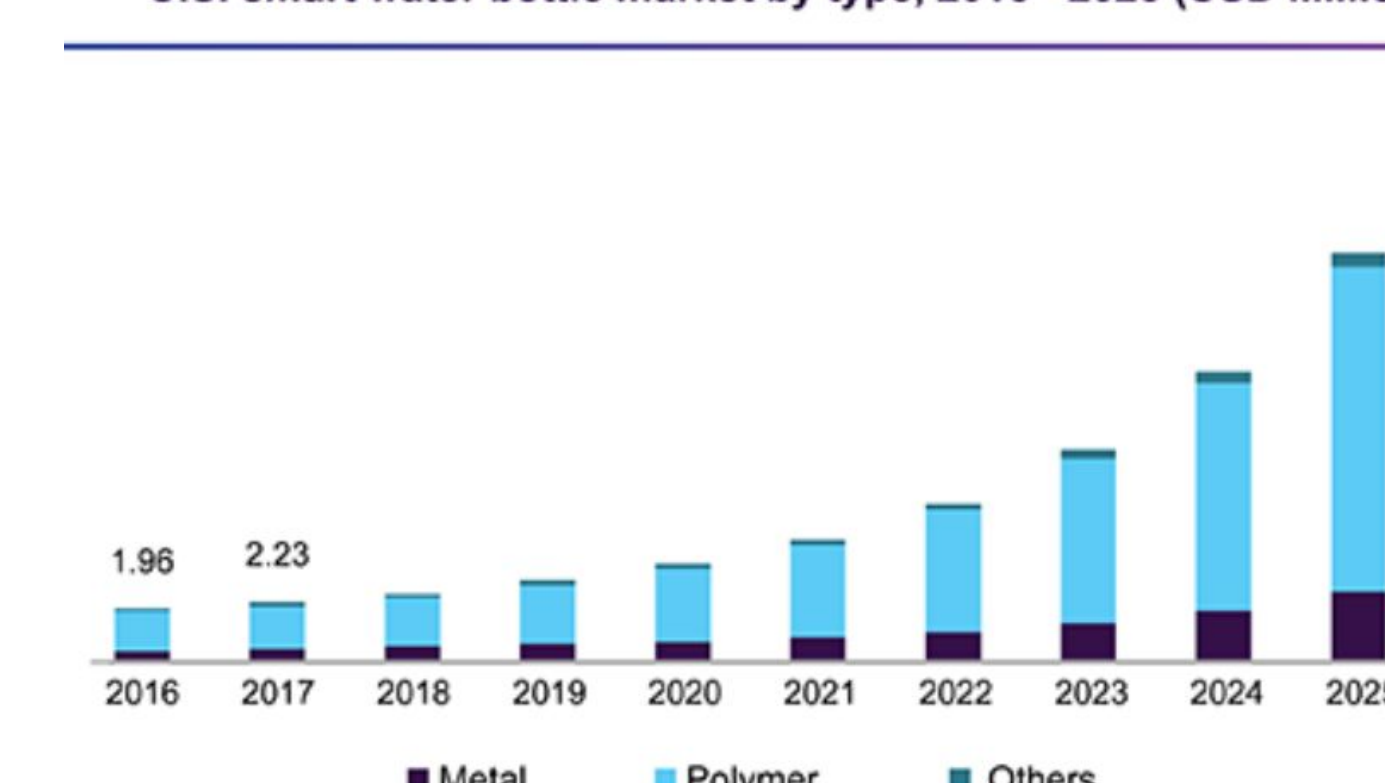
Learning

Market Analysis

Market Potential



U.S. smart water bottle market by type, 2016 - 2025 (USD Million)



Competing Products



HidrateSpark 2.0



H2O Pal



Brita Infinity Pitcher

Prototyping



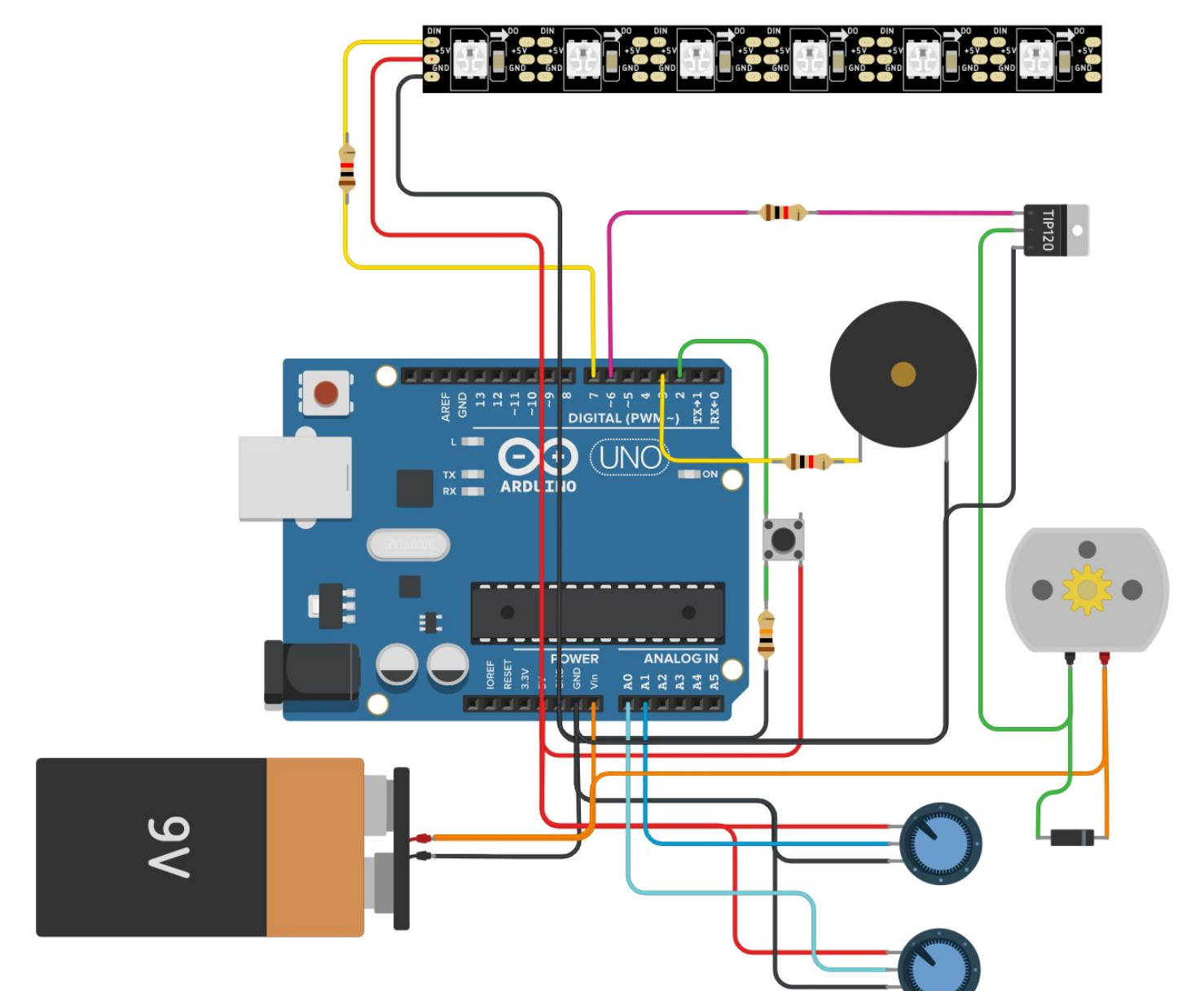
Prototype 0

Developing form of pitcher, housing for electronics, and conceptualizing function of water flow



Prototype 1

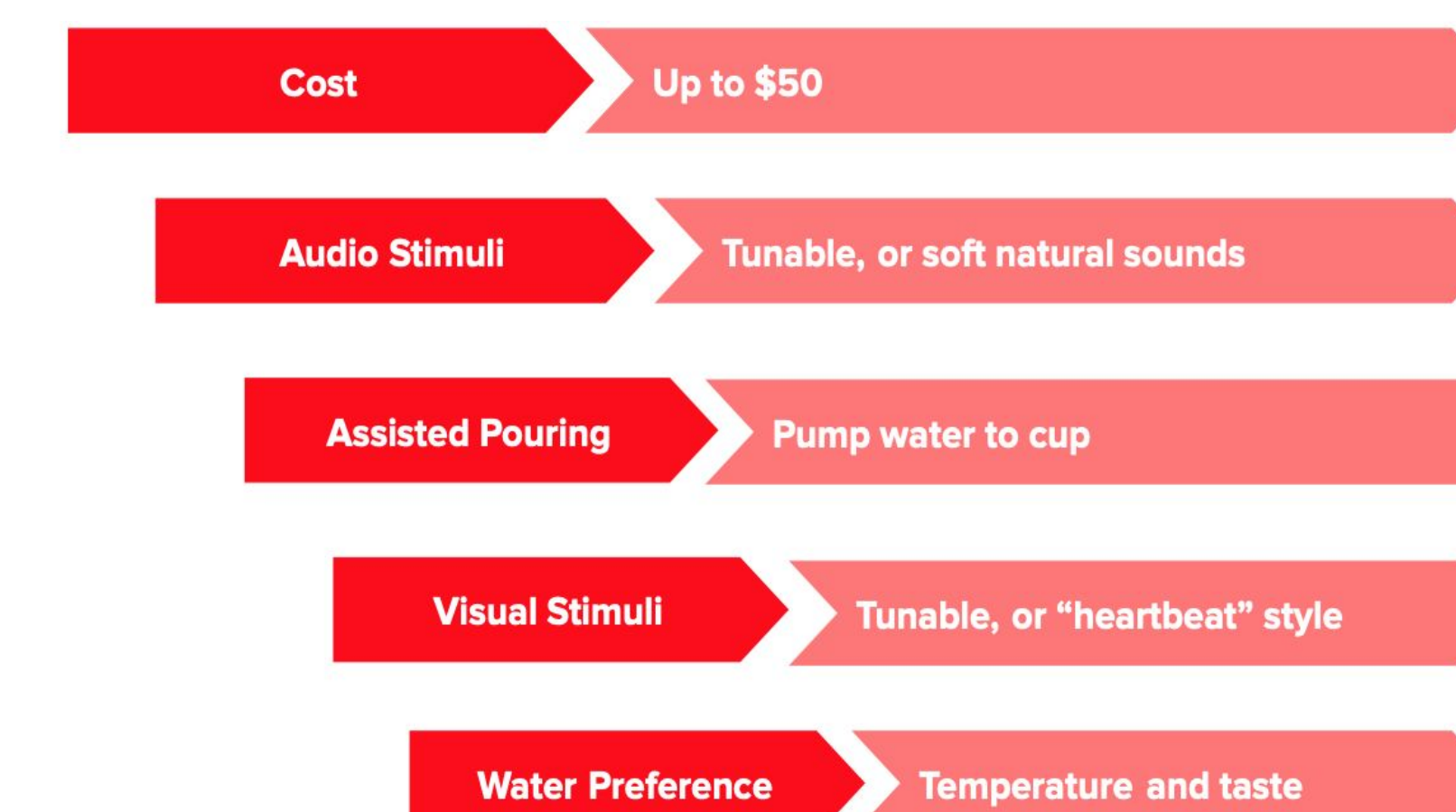
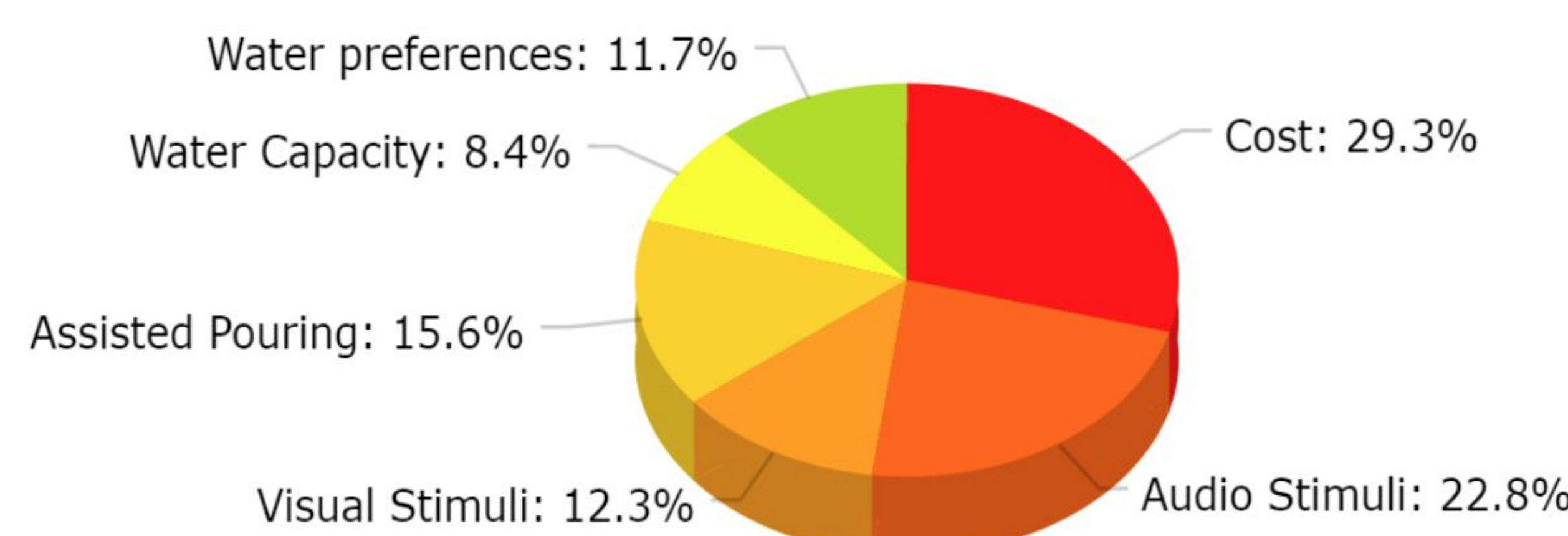
Functional electrical systems in a larger body with more space affordance



Electrical System

Powered by a 9V battery. Arduino controls lights, pump, and sound. Potentiometers can tune settings.

Conjoint Analysis Results



Poster and product by: Michael Xiao, Theresa Bracht, Clara Dewey, Zac Capel, Crystal Zhao, Dylan Hoang, and Yaseen Islam