App Functions

App can learn class locations and recommend fountain locations and remind them to hydrate

change the icon of current location

Out of order notifications

include schedule so you can add water pit stops along the way

Determine location of user and find positions of nearby water fountains

whether a fountain is out of service due to covid restrictions

Ability to report a broken/out of service water fountain

Hydration Reminder

Display the type of water fountain (e.g. water bottle only)

Send out notifications when a person is near a water fountain according to their location.

Water Types

Temperature of water (cold, warm, etc)

Mineral Composition

pH

Water source (e.g. wells vs springs)

Bottle only vs fountain only

Water flavor (does the water taste weird)

the type of water spout

Locations

Different Campus Buildings

Outdoor locations

Pet locations; Some fountains have an included dog bowl near the ground

Water bottle fountain ; Some fountains include platform that makes it easier to fill your reusable water bottle

information about specific location (e.g. "to the left of the first floor elevator")

Is it a popular area? Will the lines be long if I were to go there?

Ratings

Rating system of how good a water fountain is

1 star locations appear red, and 5 star locations appear green

cleanliness of the water fountain

rating the distance relative to the location you're searching from

safety of the surrounding area

Users can rate if the line for water fountain was long or if it was a populated area

In the Works

Bathrooms

Vending machines (and types)

SmartWatch App

Voronoi diagrams of water fountains in comparison to current location

special notes about the fountain left by users. like if someone saw it being used as a birdbath

Cleaning schedule of when the janitorial staff wipes down spout etc