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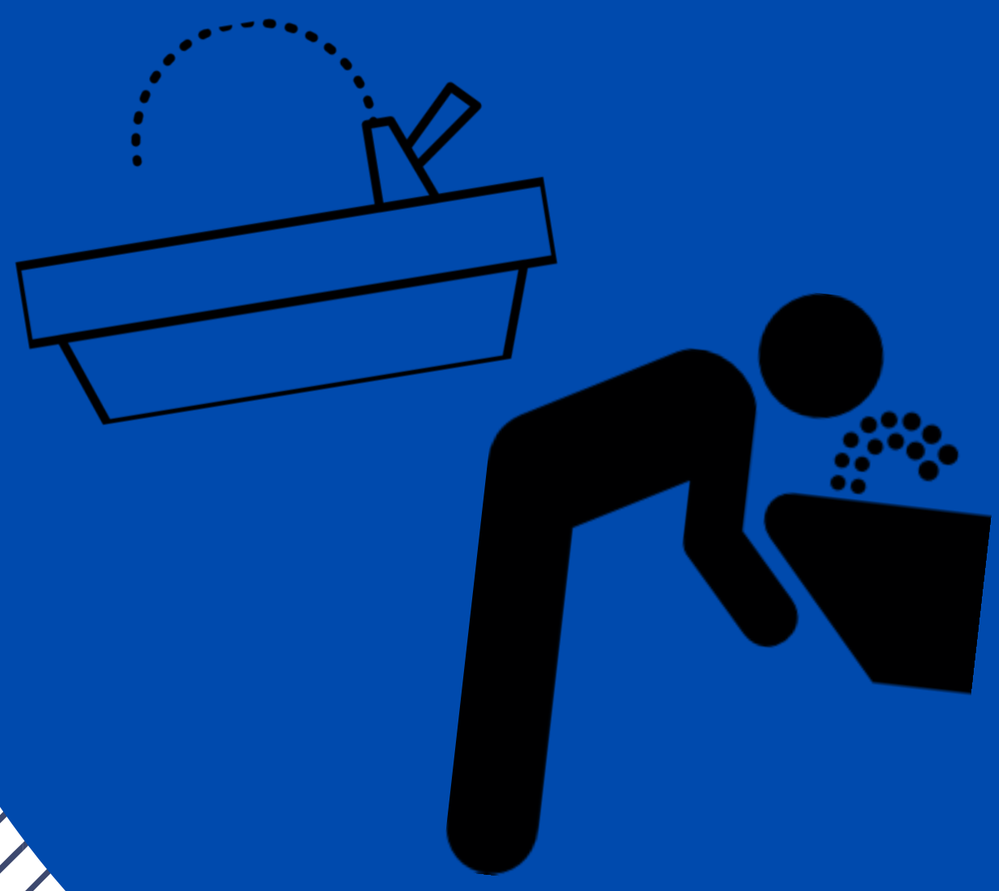
WATER WAZE

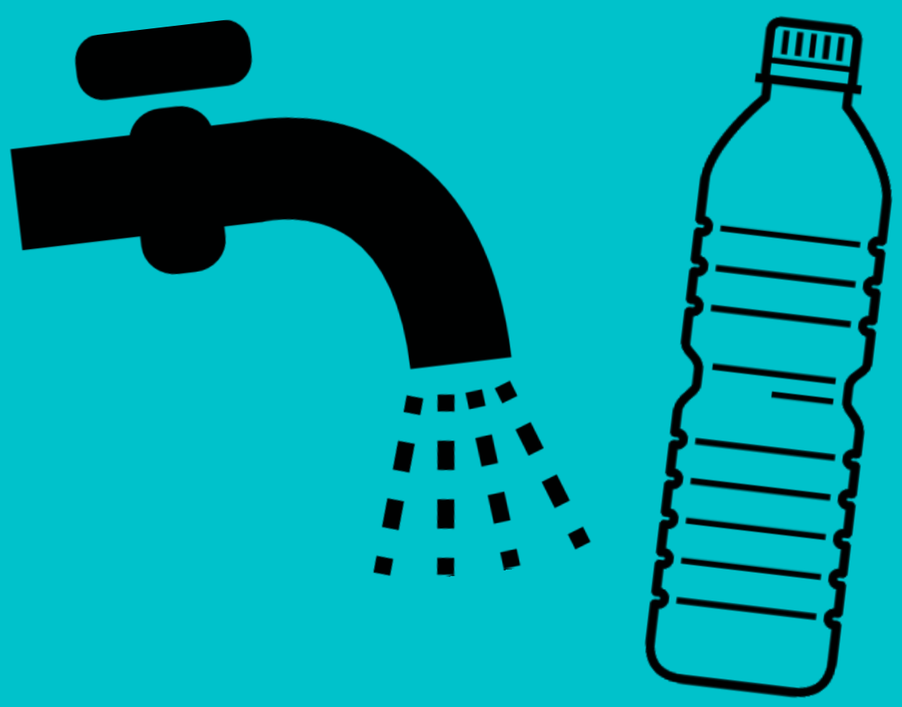
The flow of life

SHOWERS

WATER FOUNTAINS



RE-FILLING STATIONS



WATER WAZE

With water being a vital resource to all individuals, the issue lies in locating a clean source of water for all individuals around the world, and where they find themselves to be. This problem aims to be solved through leveraging IBM Cloud in the form of Water Waze, a mobile app that helps people find, rate, and share clean water locations. This app essentially presents peer-reviewed clean water sources to users through a map.

The user base would consist of a wide range of individuals looking for clean water. For example, from hikers looking for a quick river to riffle their bottles, to individuals experiencing homelessness who need a reliable spot to access water daily.

Our app would utilize currently known clean water sources as well as a self-reporting system for users to share various sources they find such as rivers, water fountains, and bathrooms. Along with identifying the location of the water sources, our app will allow users to provide information on the source such as type (e.g. river, water fountain), purity of water (clean, dirty), use (drinking, showering), ease of access, and give the feature an overall rating. Additionally, users can also choose to simply endorse or disagree with an existing water source report to improve its veracity, so sources with more reports and higher ratings are more likely to have accurate data than those with few reports and lower ratings. In order to prevent falsified data, the app will also use location services so that you can only write a report on a feature within a certain radius, but anyone can view reports on any water source regardless of location.

To encourage users to use the app and leave reports, the app will use a point system where users can earn entries into raffles for things such as water bottles, water filters, and gift cards. Points can be earned by a user through leaving reports, verifying/disputing other reports, and having other people verify the user’s reports. Another incentive for the user's to share clean water sources they find is to earn badges and in-app achievements that are awarded after having reached certain milestones. These badges and achievements indicate to other user's the validity of your suggestions.

We can gauge the success of our app through numerous quantitative metrics such as the number of active users per month, daily growth of users. The success of the overarching goal of the app can be measured by the conversion of users successfully finding a clean water source via the app. Other metrics include the number of daily clean water sources being shared that can be used, the number of daily reports, the number of new verified locations, and the rate at which badges are being earned.

Lastly, our team consisted of six members, and we all contributed to the success of the project in different ways. The roles we partook in are listed as below,

Kyle - Proposal and Front-end design
Mark - Application Back-end development and IBM Cloud integration
Sanjula - Proposal and Architecture Map
Aldwin - Graphic Design and Proposal
Fletcher - Application Front-end development
Gad - UX Designer and Front-end design

The smartest way to find water