CSE 115A Release Plan

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High Level Goals:
　　　The overarching aim of this project is to develop a user-friendly and personalizable map in which the user can utilize to keep track of or find water fountains in their area.

　　　To do so, we want to implement an interactive map which can be personalized by the user to show water fountains that they have previously been to through dropping pins at their locations on a map. These water fountains would be discovered and pinned onto the map by either the user or one of the users within their network, and would have community sourced reviews to help give the user a sense of the quality of the water fountain.

　　　We're looking to implement a functioning login page with user authentication and stored user data so that the user can exit and return to the web-app without losing their history after creating an account.

　　　We want to implement a personal user network such that users can befriend others through a friends system integrated into the web application and gain access to their most recent pins, their personal pin collections, and their reviews, so that they can share what they know within their known communities.

　　　Alongside this, another goal for our project is to add the functionality of routing from the current user location to any specified pin such that the user can find their way to pins they would like to visit and add to their own collection.

　　　Finally, the ability to personalize the user experience to a further degree is another very important goal for us, as the ambitious future of our web application would see it functioning as a form of social media / networking alongside its primary function of sharing pins with your friends. We hope to add gamifying elements to promote frequent usage of our web application as well as incentivize users to participate in adding pins to their collection for them and others to see.

User Stories defining the scope of release:
Sprint 1:
- User story 1.1
    - As a user, I would like to add pins onto the map and review them so I can keep track of my personal experiences with these water fountains for future reference.
- User story 1.2
    - As a user, I would like to view pins on the map and see the reviews of the water fountains so that I can know where the nearest and best water fountains are in my area.
- User story 1.3
    - As a user, I would like to create an account and be able to keep my user data consistent so that I can be sure that I don't lose my list of pins or reviews by the next time I log in again.
Sprint 2:
- User story 2.1
    - As a user, I would like to add friends on the web application so that I can see what my friends are pinning, reviewing, and so that I can share my own activity and pin collection with them
- User story 2.2
    - As a user, I would like to see my friends most recent pin they visited so that I can get a sneak peek into what they're up to and how hydrated they are throughout the day
- User story 2.3
    - As a user, I would like to route myself from my current location to any pin that I choose so that I can find my way to specific water fountains easily through an in-app solution
Sprint 3:
- User story 3.1
    - As a user, I would like to be able to access this webpage from the internet so that I can check my pins on the go rather than through a local host at home
- User story 3.2
    - As a user. I would like to personalize my account with badges to show off my achievements in the app for my network to see
- User story 3.3
    - As a user, I would like to have rewards for keeping up a daily streak for every day that I log a pin or track my water intake so that I can stay motivated and hydration conscious
- User story 3.4
    - As a user, I would like to be able to see just how well I am hydrating and staying active in comparison to my peers through an updated ranking system for fun

Product Backlog:

In regards to current high-level goals or user stories that didn't make the cut to the release plan, we began our approach to this project in a very frugal manner such that we are looking to develop an easily achievable minimum viable product and build atop it with more and more ambitious features once we have a better perspective on how our product is progressing over the course of these next 3 sprints. We should expect this product backlog to increase and decrease as ideas get added, or as ideas get deprioritized from release due to things like time constraints or development feasibility.

Initial Presentation:

A url to our initial presentation page can be found via the following link: **P** HydroTag Presentation.pptx .