



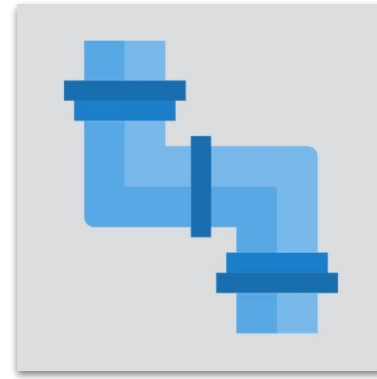
PIPE
DREAM

Group Members and Roles:

- Amanda: Product Owner, UX Designer
- Angi: Front-end Developer, UX Designer
- May: QA Analyst, Back-end Developer
- Kim: Project Manager, Back-end Developer
- Mel: Back-end Developer, API Integration

We will all be working as developers, but will also be taking on additional roles as seen above.

What is Pipe Dream?



A restroom locator and reviewer similar to Yelp



Similar apps:



**Flush- Toilet
Finder & Map**



**SitOrSquat:
Restroom
Finder**



**Toilet
Finder**

Common User Complaints of Similar Apps:

- **Inaccurate data:** incorrect location on map, closed restroom, inaccurate location services relative to user's location
- **Unable to report restrooms as closed/non-existent.**
- **Unable to search by address/business**
- **No option to post user reviews or photos**
- **Buggy User Interface (UI)**
- **Missing information** (Ex: changing table available, single restroom or stalls, open to the public)

Users will be able to:

- ★ Search for nearby restrooms
- ★ Create an account to rate and review restrooms
- ★ Access information about the restroom, such as:
 - ★ Type of business, address and hours
 - ★ Quality/Cleanliness of facilities
 - ★ Features, such as handicap accessibility, changing table, single bathroom or stalls, gender neutral option, open to the public/code needed

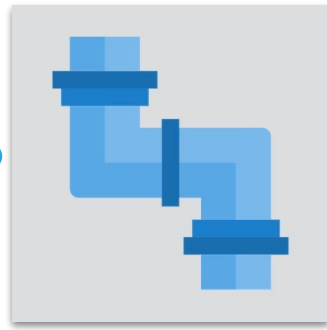
Who could benefit from Pipe Dream?

- ★ Those who need ADA-compliant facilities.
- ★ Parents with infants or young children.
- ★ Those who need a single stall bathroom (due to digestive disorders, physical constraints, or other reasons).
- ★ Those who need a gender-neutral option.
- ★ Those on vacation or in an unfamiliar area.

Features:

- ★ **Search:** By location, features, and/or business.
- ★ **Create post:** Users can submit a new restroom location or post a review of an existing restroom.
- ★ **User login (With authentication):** Users will be able to log in to create posts, see previous posts and add new restrooms.

How will we build the app?



App Functionality: A REST API with Java and JavaScript (React)

Appearance: BootStrap

Map: Google API for the locations of restrooms

Database: MySQL

Data: Yelp's Open Source Data Set (JSON files)

What we need to learn:

- ★ **React**
- ★ **How to build a REST API.**
- ★ **How to use data from a public API.**
- ★ **How to write client-side and server-side code separately and combine them into one application.**

Project Tracker

- ★ We will be using Trello to track our project
- ★ Click [here](#) to see our shared Trello Board

