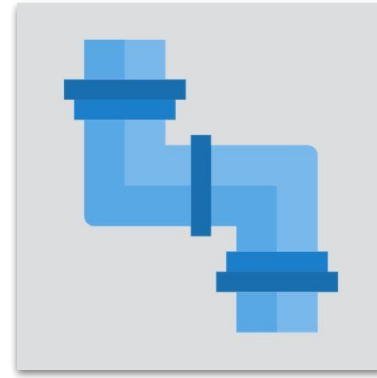PIPE DREAM

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**
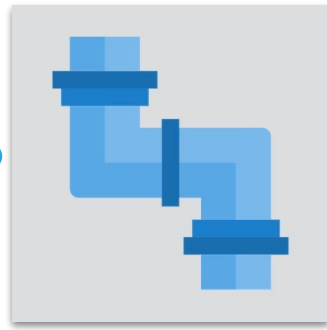
Who could benefit from Pipe Dream?

★ 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 <u>here</u> to see our shared Trello Board**