

# Capstone Proposal

## Details

**Name of Student:** Casey Hill

**Name of Project:** WIP PeeDX

**Project's Purpose or Goal:** Users can search the map for public restrooms near them and receive a bathroom code via sms if necessary

**List the absolute minimum features the project requires to meet this purpose or goal:**

- Searchable Google Map
- Location based Bathrooms list on and markers on Map
- Bathroom details (Business name, address, code, etc)
- Twilio integration to receive SMS

**What tools, frameworks, libraries, APIs, modules and/or other resources (whatever is specific to your track, and your language) will you use to create this MVP? List them all here. Be specific.**

- Google Maps API
- MongoDB (MongoClient library) for bathroom data management
- Flask, React, Python (dotenv & os libraries)

**If you finish developing the [minimum viable product \(MVP\)](#) with time to spare, what will you work on next? Describe these features here: Be specific.**

- Optional account creation (for submissions and requests/edits)
- Basic CRUD to manage MongoDB
- Styling - three.js styling for a better UX
- Auth

**What additional tools, frameworks, libraries, APIs, or other resources will these additional features require?**

- Auth: OAuth
- CRUD: pymongo (already in use)
- Styling and Three.js: WebGL, GLSL

**Is there anything else you'd like your instructor to know?**

- I don't know what I'm doing so we will see how it turns out!
- I'm curious about how to go about having this hosted online so that is something I want to look into if I have the time