

PISSION

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Our Prototype

Target Audience

Pission is designed for travelers and those in new environments who need access to restrooms, whether planning ahead or on the spot. Interviews revealed a deep pain point with finding these facilities, especially in unfamiliar locations.

Design Tools

We initially used Notability for sketching out icons and logos due to its ease in quickly visualizing ideas before moving to digital design. We then chose Figma as our primary design and wireframing tool for its collaborative features and ease of use. Our solution mimics a cross-platform mobile application, designed using the dimensions of modern iPhones without a home button. Figma's real-time collaboration allowed our team to build an interactive prototype with consistent design elements and functionality across devices.

Operating Instructions

Below, you'll see specific instructions guiding each task flow and the screens you can expect to encounter. To see what buttons are clickable on the current screen, just click anywhere on the screen while prototyping, and the tappable buttons will be highlighted. All interactions on the prototype are clicks/taps.

Navigation Bar

The navigation bar will appear on every screen to help users easily track their position within the app and quickly navigate back to key sections.

- Home (left): Users can click the home button to return to the map screen, where they can adjust their search to find a different restroom.

- Add Restroom (center): The plus button located in the middle of the navigation bar lets users add a new restroom to the app's database.
- Profile (right): Users can access their personal content, such as their username and restrooms they've added to Pission.

Task Flows

Task #1: Locate a restroom.

- Search screen
 - Opens to your current location. To specify a different location to find restrooms in, click the search bar at the top. If you'd like to return to your current location, click the navigation icon in the bottom right corner.
 - For filtering your search, use the filter menu underneath the search bar to specify ratings, accessibility, etc.
- Filter screens
 - If you select a clickable filter option, this filter will be toggled. While in practice these filters would update the map to show only the requisite restrooms, the results of these filters are hardcoded for this prototype and show up in the bathroom details rather than actively updating the map as it will in the final version.
- Searched location screen
 - This page will be hard-coded to pull up Mission Dolores Park. How beautiful!
 - Here, you'll see the selectable restrooms. Click on one to see more information! (For the sake of the prototype, only one is clickable.)
- Selected restroom screen
 - The restroom you've selected will be highlighted in blue.
 - Above the restroom pin, you'll see the address, rating, and distance from the location you're searching in relation to.
 - To get more information before navigating, click the "more info" text tab.
 - To get straight to navigating, click the arrow in the bottom right corner.
- Restroom information screen
 - Here you can see the distance, gender, accessibility, and code for the restroom.
 - Additionally, you can see reviews people have left on the restroom, including the comment they attached and the date it was posted.

- To navigate to the restroom from this screen, click the blue directional arrow in the top right corner.
- Restroom navigation screen
 - This screen shows you how to get to your selected restroom.
 - To leave this screen, tap the home button.

Task #2: Rate the restroom you've visited.

- Profile Screen
 - Go to your profile screen by hitting the “Profile” icon in the navigation bar.
 - The profile screen displays a list of the restrooms you have visited.
 - Click on “review” next to the restroom you want to rate.
- Rating Screen
 - Rate by tapping the stars.
 - Write comments or upload a picture if you wish.
 - Click on “submit rating” to confirm your rating.

Task #3: Add a restroom to the map.

- Add to Map Screen
 - Place a pin on the map for the restroom you're adding, then click “add restroom.”
- New Restroom Screen
 - Enter in the name of the restroom (e.g. Salesforce Tower 1st Floor) and extra details by toggle or text if you wish (gender, handicap, picture, comments, rating), then click “add restroom.”
- Success Screen
 - You have added the restroom! You'll be able to see the restroom pin and the basic information you've entered.

Prototype Limitations

- Some of our task flows, such as adding a restroom, require the user to click through options in a specific order. We did this to avoid creating dozens of permutations of screen combinations for pages that had multiple selectable options while still giving the user a sample of the experience of filling out dropdown options.

- Users cannot choose or input their own locations or restroom options, as we haven't implemented a backend system to support dynamic data. Instead, we've simulated a fixed location and set of restrooms to demonstrate the app's functionality.
- Users can't create a profile or edit any profile settings as this is not one of our main tasks for demonstrating app functionality and isn't a part of the user experience we're testing.

Why We Chose an App

We chose to make Pission an app given the way our target users are most likely to interact with it. When needfinding, we found that users were often struggling to find bathrooms when planning to visit an unfamiliar destination, or while they were there. In the first case, these users discussed troubles when texting friends about plans, and in the second, were already in the location. In both, the phone is already present, thus we felt based on our needfinding that it'd make most sense to make this a mobile app.

Wizard of Oz Techniques

The app currently simulates location tracking by displaying a blue pin when the current location is pressed, giving the appearance of real-time location access. When users drop a pin to add a restroom, it places the pin at a predetermined location, simulating the process of adding restrooms to a database. During searches, restrooms are displayed on the map as if pulled from a populated database, though no actual backend integration exists. Similarly, restroom ratings are shown for demonstration purposes, but they do not update or reflect any real database changes.

Hard-Coded Items

In the current version of the app, several features are hard-coded for demonstration purposes. The available search areas, such as current location or a different place, are pre-selected, and restrooms are randomly placed on the map since no user-registered restrooms exist yet. Example reviews for restrooms are manually written rather than user-generated, and the restrooms available for navigation or addition to the map are pre-determined. Additionally, options for filtering searches or adding details to a restroom simulate user choice but currently offer only one available option.