

Release Summary

Bathroom Locator - 12/02/25

Key User Stories

- User Story 1: As a user who travels a lot, I want to be able to find public bathrooms easily on a map
 - Acceptance Criteria
 - See map of current location (if location-sharing is enabled in the browser)
 - See pins of bathrooms in the visible map range
 - Ability to click on said pins, to view more information about the bathrooms
 - Ability to move around the map, and also recenter back to the user's current location
- User Story 2: As someone unfamiliar with the area, it would be helpful to be given walking directions to the bathroom that I've selected, so that I can find the bathroom quickly.
 - Acceptance Criteria
 - A 'Navigate' button in the details page
 - Clicking on the navigate button should show walking directions from the user's current location to the selected bathroom in google maps
- User Story 3: As someone who's non-binary it would be helpful to see bathrooms that are gender neutral so that I can find a bathroom that I can use.
 - Acceptance Criteria
 - Ability to add gender when creating a new bathroom
 - Gender details should be visible when viewing a bathroom's details
- User Story 5: As a user of this app, I want to be able to tell if a bathroom actually exists before navigating to it.
 - Acceptance Criteria
 - Be able to see a 'Verified' tag on bathrooms that have been "liked" or verified by 5+ people
 - If logged in, be able to "like" (and unlike) a bathroom, to contribute to the "verified" status of a bathroom
- User Story 6: As a user, I want to be able to create an account that I can use later on the website.
 - Acceptance Criteria

- Sign up page that allows user to sign up for an account with email and password
 - Sign up button disabled without all fields populated
 - Error message “Passwords do not match” displayed for mismatching password
 - Error message “Invalid email format” displayed for incorrect email credentials
- User Story 8: As a user, I want to see bathroom amenities so I know what to expect.
 - Acceptance Criteria
 - Ability to add different amenities (e.g. toilet paper, menstrual products) when adding a new bathroom
 - Amenity details should be visible when viewing a bathroom’s details
- User Story 9: As a community member, I want to be able to add a new bathroom to the map to help others using this website.
 - Acceptance Criteria
 - An ‘add’ button, which is only visible if user is logged in
 - Ability to select the location of the new bathroom
 - Fields for (at minimum) the bathroom name and description
 - A button to exit the operation
 - A button to save the operation
 - The new bathroom is saved in the database and persists on the map
- User Story 12: As a user, I want to be able to search for specific cities on the map even without allowing it to access my location.
 - Acceptance Criteria
 - Search bar to search for specific cities or regions on the map
 - Drop down of suggested places, based on the user input
 - Ability to select a place in the dropdown, and have the map navigate to that area
- User Story 13: As an existing user, I want to be able to log into an account that I’ve already created
 - Acceptance Criteria
 - Login page that allows user to login to an existing account with valid email and password
 - Login button disabled without all fields populated
 - Error message “Invalid credentials” displayed for incorrect credentials (e.g. wrong password, no account found)

Known Problems

Known Problems: List the major bugs (you can reference your Test Report), omissions (missing functionality, edge cases that are not handled), design shortcuts (e.g. hard coded data), etc.

Design Shortcuts:

- Some of our components (components in /frontend/src/components/AddBathroom/* and ones used in the MapHeader) don't use React Context because of how they were initially designed. As a result, some props are passed through multiple times rather than just once in context, and hooked into using React's capabilities.

Omissions:

- When adding a new bathroom, the user has to manually select the bathroom location; our app is missing the ability for the pin to automatically be placed at the user's current location, which can then be moved around manually if desired
- If a building has multiple floors, current navigation technology is unable to granularly navigate to different floors.
- Due to limitations in navigation technology, a user may not be navigated to the bathroom exactly when they click the navigate button on the app.
- If the user's device is unable to get their current location, the application defaults to being centered in Santa Cruz

Missing Functionality:

- Ability to filter bathrooms with specific properties
- Ability to edit a bathroom created by another user
- If a creation of a bathroom is unsuccessful due to required missing properties (bathroom name & description), currently nothing happens. However, it would help the user if there was a visual indication of the property that the user was missing
- Verification that email exists before account creation
- No way to reset / change password
- No check for duplicate bathrooms

Product Backlog

- User Story 4: As a user of this app, how can I tell if the bathrooms are stocked with toilet paper/how often they are cleaned
- User Story 7: As a user of this app, I want to be able to save bathrooms to my

profile so that I can navigate to them later

- User Story 10 : As a user of this app, I want to be able to add details to a bathroom added by another user to give information about the bathroom to others using the app.
- User Story 11 : As a user of this app, I want to be able filter bathrooms that match specific requirements (eg. gender neutral)
- User Story 14: As a user, I want to be able to see a picture of what the bathroom looks like so that I can find it easily.
- User Story 15: As a user, I want to help ensure that the map is accurate, so people can easily find a bathroom