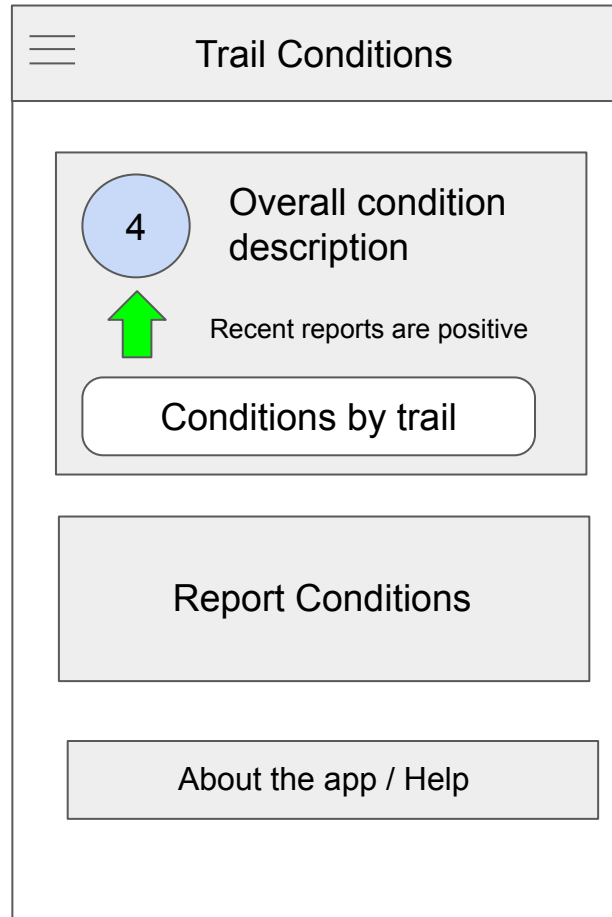




Final Design

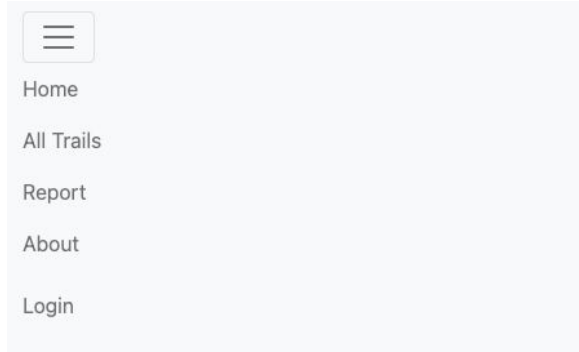
Streams & Trails App

Home Page

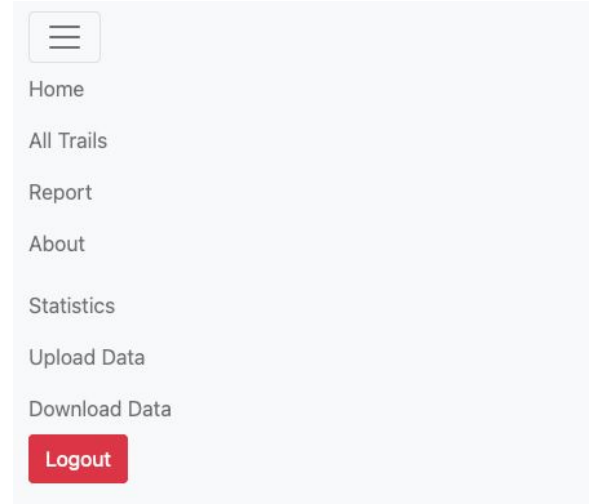


Navbar

unauthenticated



authenticated



Trail report form

Frontend Todo:

- Stars for the radio buttons
- Map selection for location
- Confirmation popup on submit

Where did you visit?

When did you visit?

 :

Rate your visit:

1 2 3 4 5

Any notes on your experience?

Notes about your experience (optional)

Danger rating:

Caution: Do you think the trail poses a risk to others?

Location:

Include your current coordinates on the trail?

Latitude: 47.11588091266566

Longitude: -88.54018982390006

Submit Report

Trails List

Trail List

Add Report

Trail 0

Details

Trail 1

Details

Trail 2

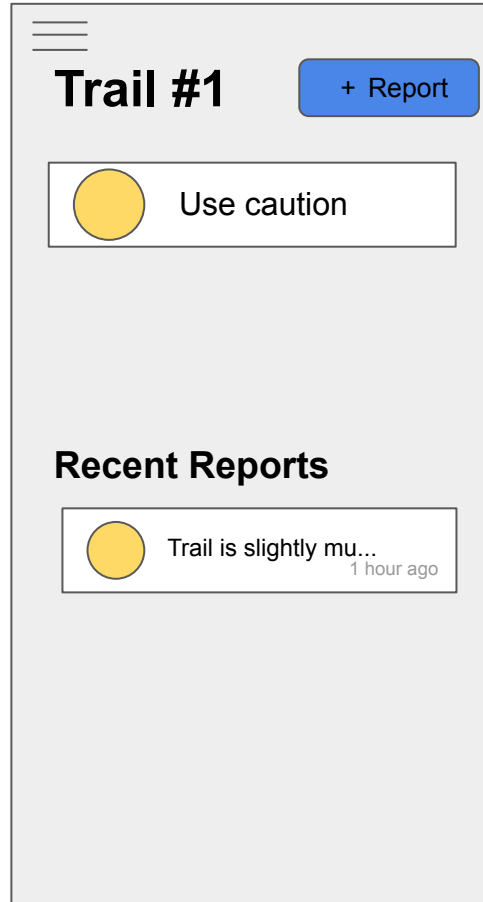
Details

Trail 3

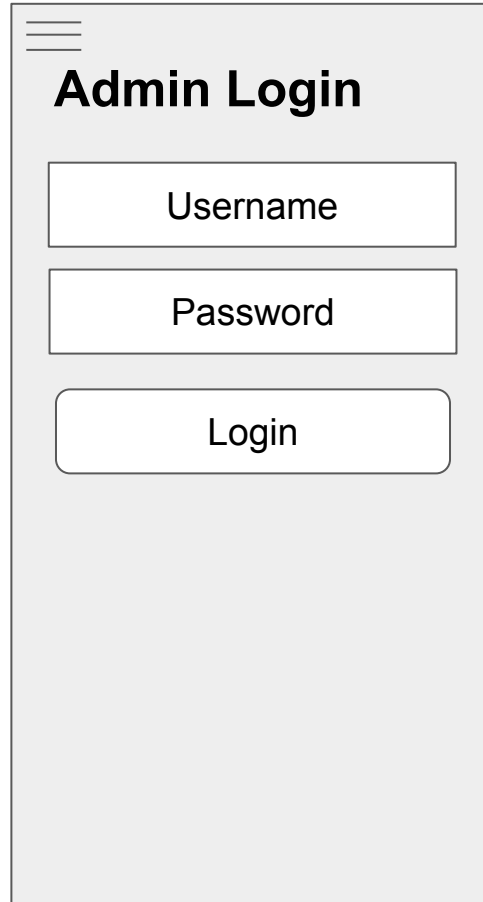
Details

Trails details page

Authenticated users are able to delete reports here as well



Login Page



The image shows a mobile-style login form titled "Admin Login". At the top left of the form is a hamburger menu icon consisting of three horizontal lines. Below the title are three input fields: a text field for "Username", a text field for "Password", and a rounded rectangular button for "Login". The entire form is contained within a light gray rectangular border.

☰


Admin Login

User Management Page

☰

Users

Add User

Name	Email	Edit
Test user	test@example.com	

Add a user page



The image shows a user interface for adding a new user. It features a light gray background with a hamburger menu icon in the top-left corner. The main heading is "Add a user". Below this, there are two input fields: one for "Name:" and one for "Email:". At the bottom of the form is a blue button labeled "Invite".

☰

Add a user

Name:

Email:

Invite

Authenticated home

The screenshot shows a web browser window with the address bar displaying `localhost:8080/authenticated`. The page has a navigation bar with links for [Home](#), [All Trails](#), [Report](#), and [About](#). On the right side of the navigation bar, there are links for [Statistics](#), [Upload Data](#), [Download Data](#), and a red [Logout](#) button. The main content area is titled

Overview

. Below the title, there is a dropdown menu currently set to "All Trails". The overview section features three key metrics: **5** days since last precipitation, **3.5 / 5** trail rating (last 24 hours), and **10** number of reports (last 24 hours). To the right of the "Overview" title, there are two buttons: a blue "Download Data" button and a grey "Upload Data" button.

Upload data page (privileged user)

Sensor data
uploading --
for sensors
that don't
automatically
upload

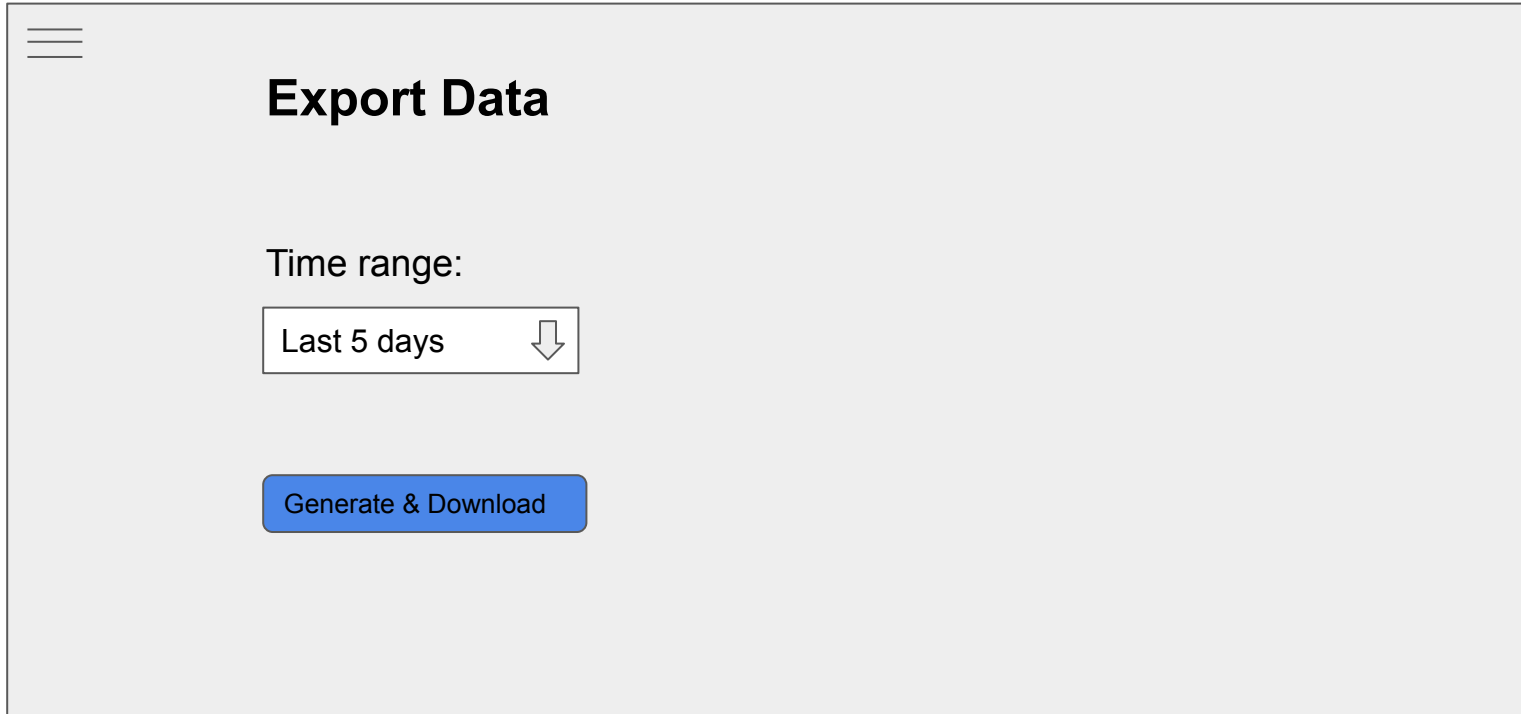
A mobile app interface for uploading sensor data. It features a hamburger menu icon in the top left corner. The main content area contains two large, centered rectangular buttons: the top one is labeled "Upload .CSV" and the bottom one is labeled "Submit".

There'll also
possibly be a
REST API
available for
sensors to
automatically
upload data

A mobile app interface for manual data uploading. It features a hamburger menu icon in the top left corner. The main content area contains a vertical stack of input fields and buttons. From top to bottom: a dropdown menu labeled "Select Trail (dropdown)", a text input field labeled "Coordinates", a text input field labeled "MM/DD/YY (autofilled)", a text input field labeled "XX:YY AM/PM (autofilled)", a text input field labeled "Dissolved O2", a text input field labeled "Specific Conductivity", a text input field labeled "Temperature", a text input field labeled "Stream Gauge", a text input field labeled "Days since Precipitation", and a large centered "Submit" button at the bottom.

Manual Data
uploading

Export data page



The image shows a user interface for exporting data. It features a hamburger menu icon in the top-left corner. The main heading is "Export Data". Below this, there is a label "Time range:" followed by a dropdown menu currently displaying "Last 5 days" and a downward-pointing arrow. At the bottom of the form is a blue button with the text "Generate & Download".

☰

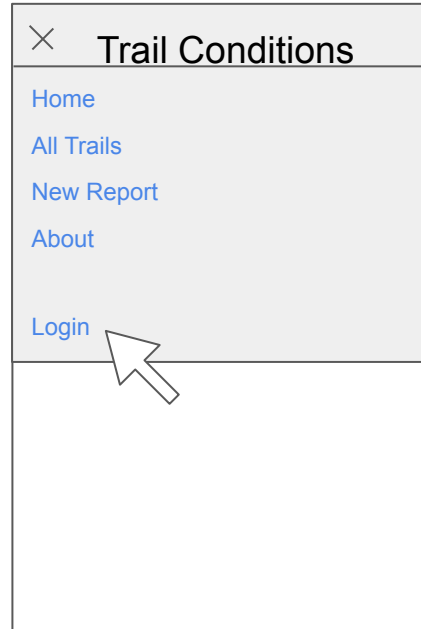
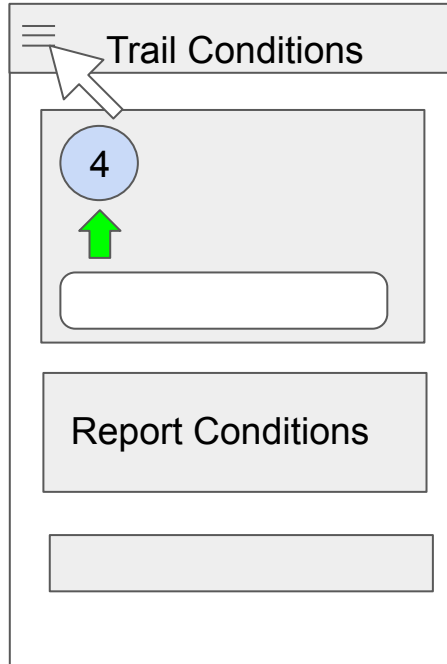
Export Data

Time range:

Last 5 days ↓

Generate & Download

Use Scenario 1 - Researcher exports .csv data



Users - Researcher

Environment - Office

Scenario Description -

The researcher wants to find data about how many users there were for the trail last year

Usability Goals & Concerns

Goals:

- App is easy to use for a wide variety of User Types.
- App is easy to use on a mobile device.

Concerns:

- Duplication of Information and Views (particularly with the researcher vs trail user home screens)
- User entering incorrect and/or invalid data