Plant Dashboard

Front End Dashboard Project Proposal

DESCRIPTION

- An interactive dashboard to be a hub of plant information. From trees to flowers. View descriptions, images, and common plant diseases

WHY

- I like plants. I like plant facts and love a plant app. I would love one specifically for flowers so maybe this can be the precursor to that since there aren't APIs specifically for flowers.

FEATURES AND VISULIZATIONS

- Map plot diagram for hardiness zones
- Searching
  - By zone
  - Category
  - Name
- Display Plant Info and images
- (maybe) plant identification

Perenual Plant API

Type: RESTful

Info Provided: It provides detailed data on plant species, care guides, growth stages, hardiness zones, images, and more

Data Format: json

Access & Authentication: key authorization

Cost: Free – base tier

Limits: 100 requests/day

Trefle global plant API

Type: REST

Info Provided: Plant names, taxonomy, physical characteristics, images, and cultivation requirements.

Data Format: json

Access & Authentication: Access token

Cost: Free

Limits: None (120/minute)

Pl@ntNet plant identification API

Type: REST

Info Provided: a prioritized list of probable plant species in response to an image query

Data Format: json

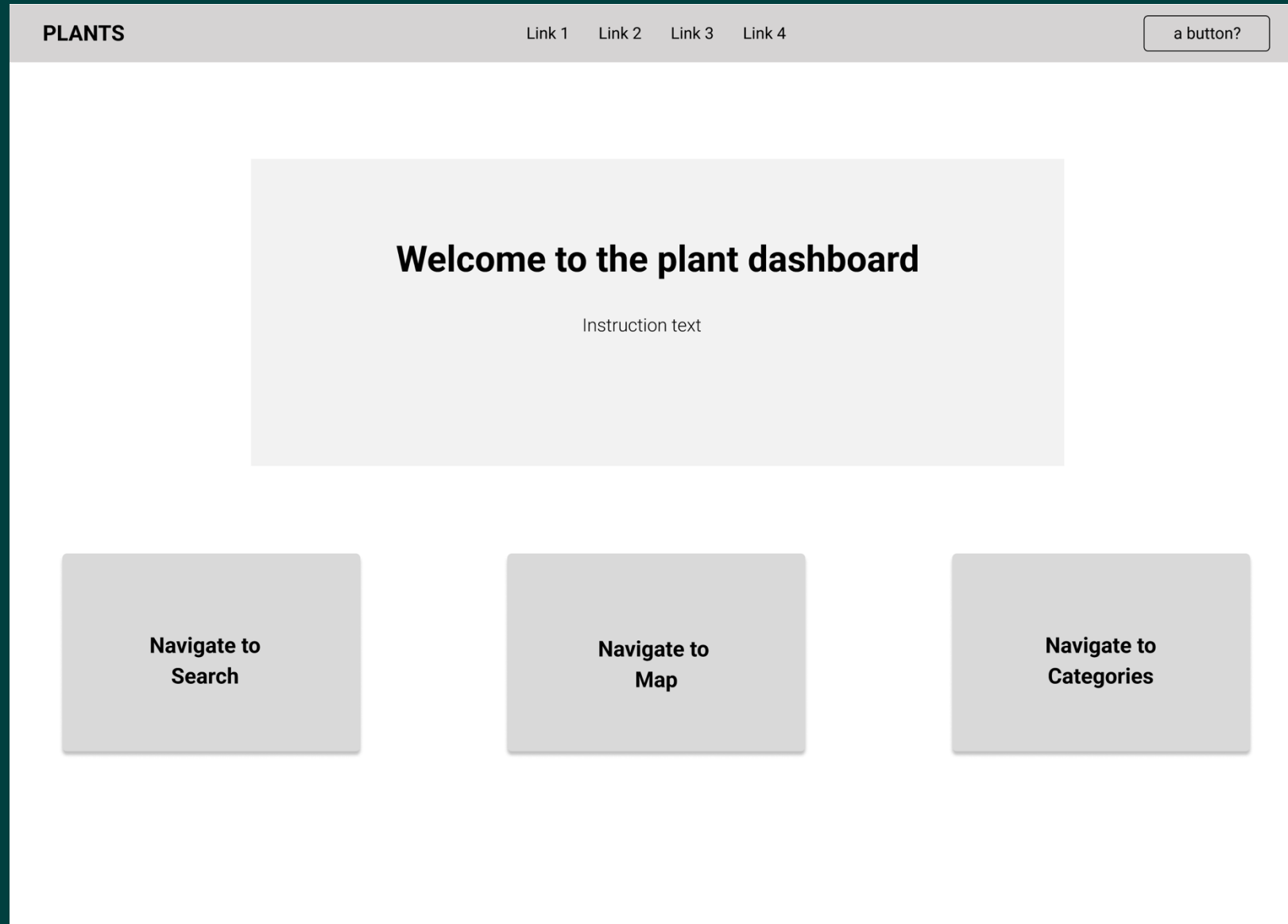*Access & Authentication:* private key

Cost: Free – for testing

(option to reach out for education access)

Limits: 500/day

STACK

- Javascript
- React
- Highcharts.js
- Tailwind css

WIREFRAMES

PLANTS   Link 1   Link 2   Link 3   Link 4   a button?

Welcome to the plant dashboard

Instruction text

Navigate to Search

Navigate to Map

Navigate to Categories

PLANTS

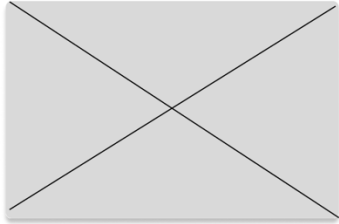Link 1   Link 2   Link 3   Link 4

a button?

Plant Search

Search...

result
description

result
description

result
description

result
description
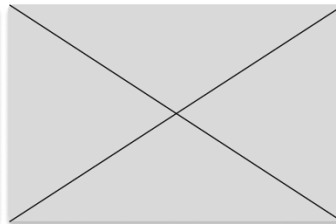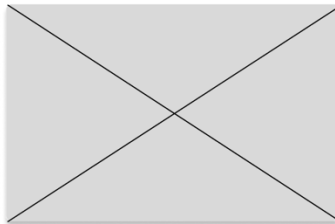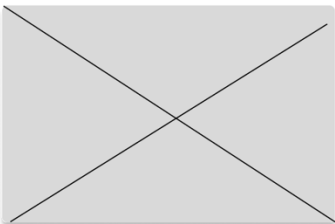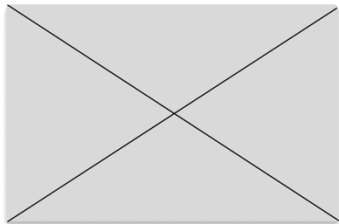
result
description

result
description

Plant name

plant info

Specifications

info: lorem

more info: ipsum

Images

PLANTS

a button?

Hardiness Zone Map

<map diagram>

zone description

Alternate Layout

Home

(icon) Search >

(icon) Categories v

Trees

Flowers

Welcome to the plant dashboard

Instruction text

Feature 1

Feature 2

Feature 3