

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

Perennial 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)

PlantNet 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

A wireframe of a web application interface. At the top, a header bar is shown with the word "PLANTS" on the left and four links labeled "Link 1", "Link 2", "Link 3", and "Link 4" in the center. To the right of these links is a rectangular button with the placeholder text "a button?". Below the header is a large central content area. In the upper portion of this area, the text "Welcome to the plant dashboard" is displayed in a large, bold font. Below this, the placeholder text "Instruction text" is centered. In the lower portion of the content area, there are three rectangular buttons arranged horizontally. From left to right, they are labeled "Navigate to Search", "Navigate to Map", and "Navigate to Categories". Each of these buttons has a small shadow effect.

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

Plant Search

Search...



result

description



result

description



result

description



result

description



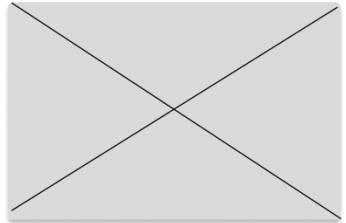
result

description



result

description



Plant name

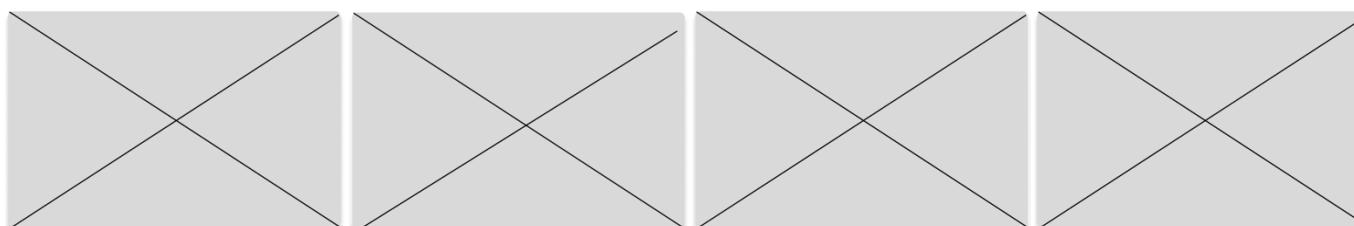
plant info

Specifications

info: lorem

more info: ipsum

Images



Hardiness Zone Map

<map diagram>

zone description

Alternate Layout

The image shows a wireframe of a mobile application interface. At the top, there is a dark header bar with a back arrow and the title "Plant Database". Below the header is a navigation bar with four items: "Home", "(icon) Search", "(icon) Categories", and "Logout". The "Categories" item has a dropdown menu with "Trees" and "Flowers" options. The main content area consists of a large central box containing the text "Welcome to the plant dashboard" and "Instruction text", followed by three smaller boxes below it labeled "Feature 1", "Feature 2", and "Feature 3".

Home

(icon) Search >

(icon) Categories ▾

Trees
Flowers

Welcome to the plant dashboard

Instruction text

Feature 1

Feature 2

Feature 3