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Green Thumb

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01

Description

Description

Gardening Assistant

Green Thumb is a home gardening application designed to assist home gardeners with tracking and finding new plants for their gardens.

Description

API Support

Green Thumb uses plant data from the Perenual API to allow users to search for plants with certain traits and add these plants to their digital gardens.

Tools Used

Tools We Used:

5/5	Node.js – Application Server
4/5	Express – Framework
4/5	Docker–Containerization
5/5	PostgreSQL–Database
4/5	Handlebars–Templating
4/5	Mocha/Chai – Testing

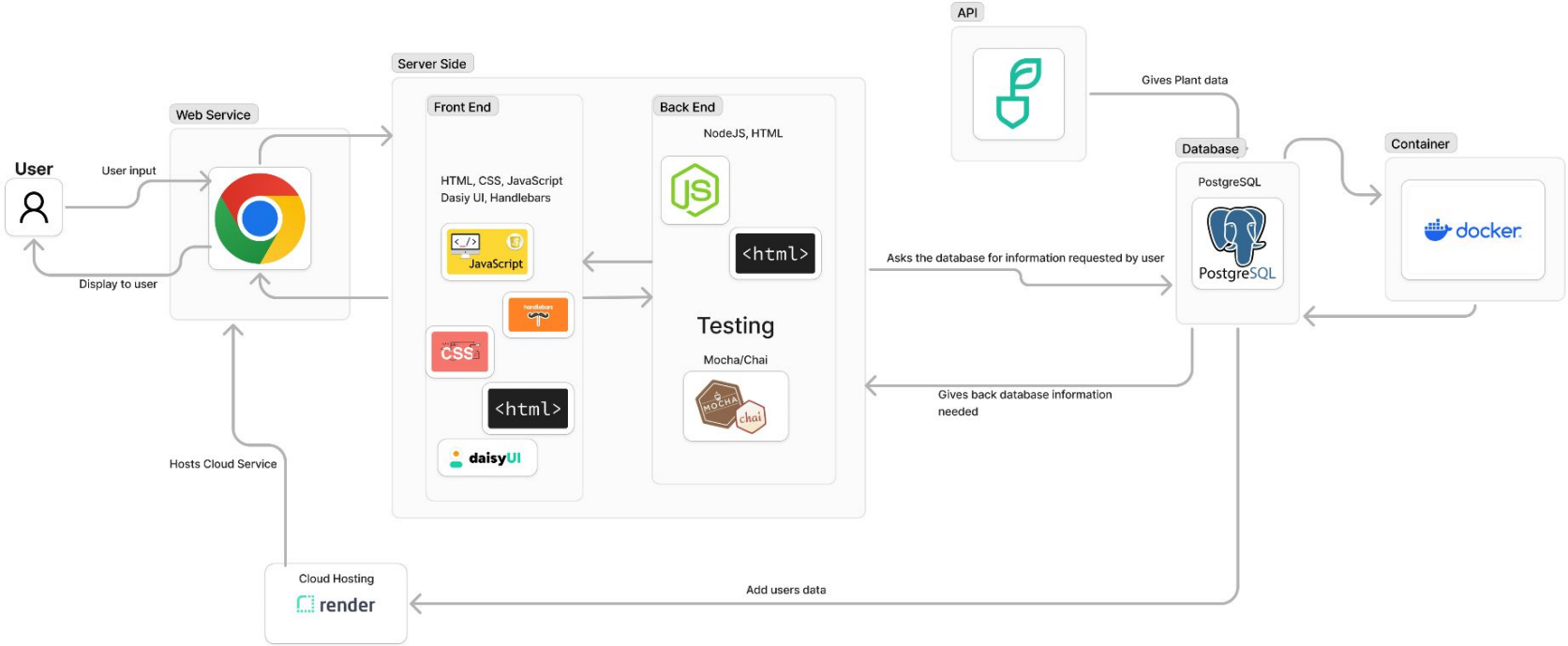
Tools We Used:

- 2/5 Render–Cloud Hosting
- 4/5 GitHub–VCS/Project Tracker
- 5/5 VS Code – IDE
- 3/5 Perenual – API

Tools We Used:

5/5	DaisyUI-CSS
4/5	Tailwind - CSS
4/5	Figma - Wireframe
5/5	Discord - Communication

Architecture Diagram


API
Gives Plant data
Server Side
Web Service
Front End
Back End
NodeJS, HTML
User
User input
HTML, CSS, JavaScript
Dasiy UI, Handlebars
Database
PostgreSQL
Container
Asks the database for information requested by user
Display to user
JavaScript
<html>
Testing
Mocha/Chai
Gives back database information needed
Hosts Cloud Service
Cloud Hosting
render
Add users data

Issue to Address

Major Dilemma

Big Trouble

Major Dilem

Dilemma

Problem

Challenges

Pro

Obstacles to Overcome

Major Dilemma

Big Trouble

05

Future Scope

Key Enhancements

Purchase Linking

Help user get access to their interested plants, website will link plants with retail store link amazon or walmart.

Plant Identification

Implement a feature which would allow users to identify a plant with just a photo.

UI/Aesthetic

Integrate dynamic UI and add decorations to improve aesthetics.

Demo