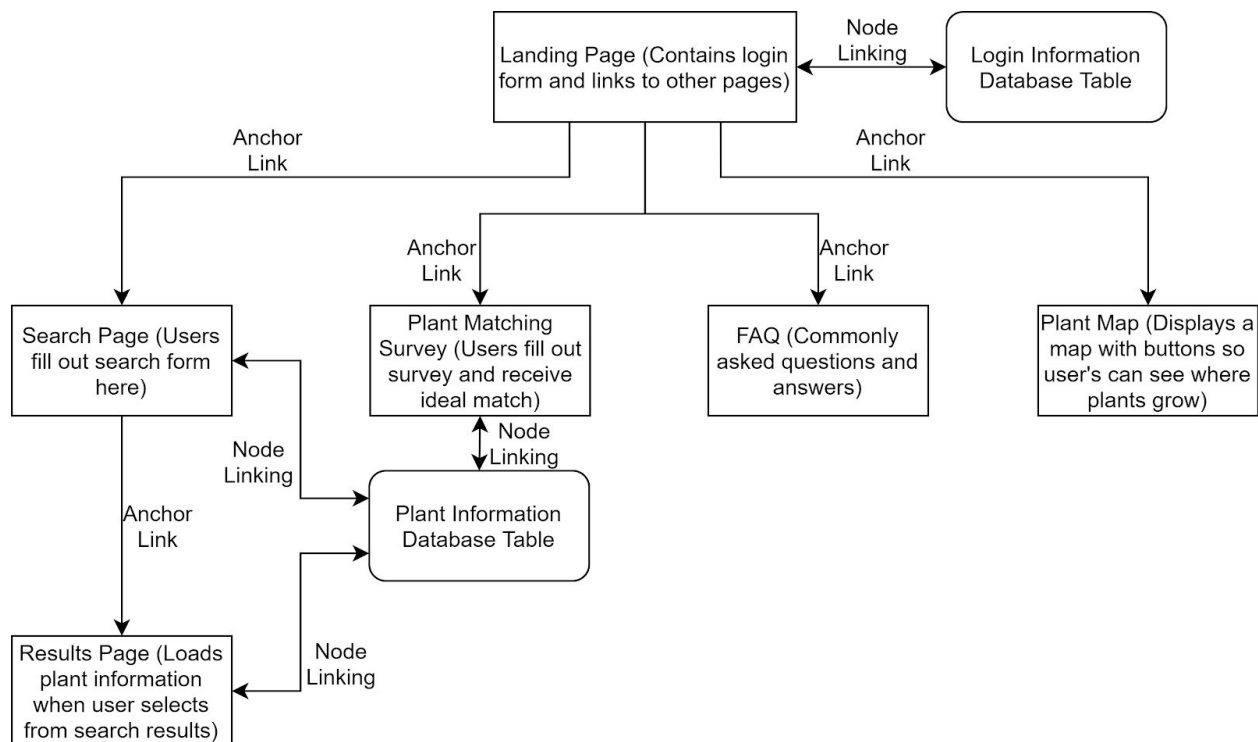


Botanizer Project Milestone 4

Revised List of Features:

1. Search Page - search bar and filters for users to input plant names/types. Contains results table below that will be filled based on plants from the database.
2. Plant Info - plant specific page with care info, image, difficulty of care, and plant name.
3. Survey - survey with filters used to narrow possible plants according to what a user wants in a plant. Results in a single plant matching the criteria most accurately.
4. FAQ - drop-down bars with commonly asked plant care questions and their answers.
5. Landing/Login Page- Home page of application. Contains a short description of website & links all features of the application. Login form allows users to sign up/log in to their account.
6. Map page - Interactive page that shows plants in certain regions of the world. When you click on a region it shows you plants in that region.

Architecture Diagram:



Front-End Design (Wireframes):

A hand-drawn wireframe for a web page titled "Botanizer Title". At the top is a "NAVbar" with links: "Home, Survey, FAQ". On the left is a vertical sidebar with "search (Home)". The main content area contains a "Filter" section with "checkboxes" and a "Search bar..." followed by a "Search" button. Below the search bar is a table with two columns: "Images" and "Names". To the right of the table is a label "Results (10 at a time)". At the bottom of the table is a pagination bar with "< Prev 1 2 3 ... Next >".

Images	Names

Main Search Page - This is the page where users can search for a plant and add filters to narrow their search. After submitting a search, a table of matches will generate beneath the search bar.

A hand-drawn wireframe for a results page. On the left is a vertical sidebar with "Results" and a small circular image placeholder. The main content area is a table with two columns: "Plant Image" and "Plant Name". The "Plant Name" column contains care information: "Temp:", "Humidity:", "Water level:", "Light level:", and "Soil pH:", each followed by a horizontal line for input. The "Plant Image" column contains "Difficulty" with the text "Easy/Med/Hard" below it.

Plant Image	Plant Name
	Temp: _____
	Humidity: _____
	Water level: _____
	Light level: _____
	Soil pH: _____
Difficulty Easy/Med/Hard	

Results Page - After selecting a search result, the user will be redirected to the results page, which will display an image and care information about the selected plant.

Survey Page

Plant Match Survey.

Temp: 10-12 13-20 21-30 31-40 41-50 51-60 61-70 71-80 81-90 91-100

Humidity: 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

Results of survey:

 Plant Name

Plant Matching Survey Page - Users can enter their preferences for a plant then submit. The best matching plant in the database is returned as the user's 'ideal' plant.

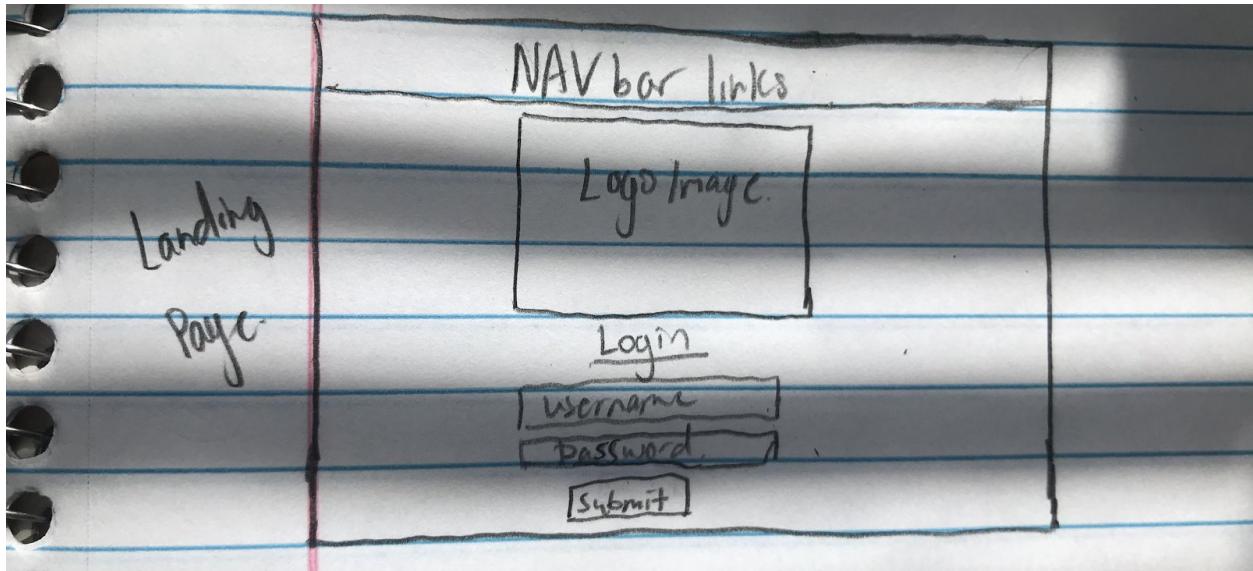
Navbar

FAQ

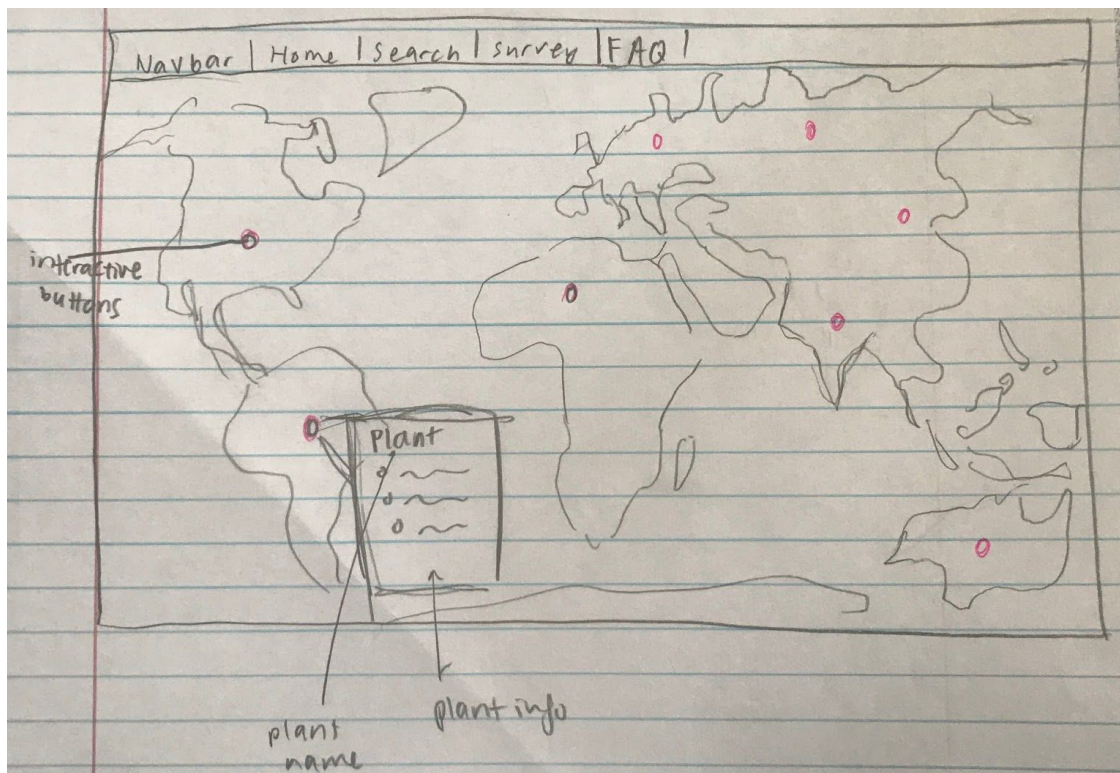
FAQ

Question 1?	✓
Question 2?	△
Answer	
Question 3?	✓
Question 4?	▽

FAQ Page - A page with collapsible Frequently Asked Questions and answers. Each answer has a link to a source with more comprehensive information.



Landing/Login Page - The home page where users are directed when visiting the site. Contains a login form and links to the other pages of the site.



Plant Map Page - A page with an image of a world map. Contains buttons which users can click to see which plants grow in that area.

Database Design:

We will be using two PostgreSQL tables. One will store user login information and the other will store all plant information.

1. Database Management System: PostgreSQL
2. Database Table: Plant Information
 - a. Plant name
 - b. Plant picture
 - c. Caring difficulty
 - d. Preferred soil moisture level
 - e. Temperature hardiness
 - f. Preferred light level
 - g. Drought tolerance
3. Database Table: Login Information
 - a. User's Email
 - b. User's Password (potentially hashed for security)
 - c. User's Name