

Plant App

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Description

Its an application that allow users to store key information about the plant they want to grow, and also explore other user's plants.

User using this app can keep track of how often to water a plant, what type of sun exposure does the plant like, and what type of soil you should prepare for the plant.



Features

- User Registration
- User login
- Add plants to user's garden, user can edit, delete existing plants.
- A search bar for user to filter search plants.
- On landing page, a carousel component shows 3 random gardens from the user.



Planning - User Stories

A beginner gardener user is interested in growing lily, he added lily into the garden page along with all the information, so he can come back and check on what sun exposure does lily like, or what type soil should he prepare for it.

Another seasoned user have a lot of plants in her garden, she forgot about what type of soil a certain plant needs, so she use the search bar to search for that plant using the name filter.



Planning - Database

We used firebase for this application, because firebase is a none-SQL database, it have collection and document. I used the userId generated during user registration and created a document in the users collection with that Id, so each user will have their own document.

In that individual document, there is a garden field with an empty array, it will hold the plant object later user will add, and a username field to hold the user's preferred username.



Technology Stack

- Javascript
- React
- Bootstrap, React-Bootstrap
- Firebase Firestore, Firebase Authentication, Firebase Storage



Demo



What I Learned

- I learned React as a total beginner.
- Find out bootstrap and react-bootstrap are totally different.
- Understood react hooks how they behave and when to use them.
- While implementing the checkbox filters for search, I learned how to use the index parameter.
- Studied useContext while working on authentication.
- Notice you can store data in browser with localStorage.



What's Next

- Adding garden page showing all the plants when user click on the carousel on landing page.
- Adding a toggle button on garden page, so user can show all plants by a table or a list of cards.
- Adding node.js to hide my firebase api keys.

