React

Client Side JS Library

Runs on the browser

Created and maintained by Facebook

Component based

More comparable to Angular than JQuery

Most people refer to it as a framework

Most common React, View JS, Angular

¿Why we use it?

Allow to build very powerful apps on the front end

Code Organization

Reusable components

Speed & performance

Makes things much easier

Very popular in the industry

Look at each element as individual components.

Organized structure

Logic, output & style

Components can have "Props" & "State"

Download and instal:

- -Node JS
- -GIT
- -React Developer Tool Chrome Extension
- -Redux DevTools Chrome Extension
- -Postman

VSCode Extensions:

-ES7 React/Redux/GraphQL/React-Native snippets

🔯 Component Based UI

- Look at each element as individual components
- Organized structure
- Logic, output & style
- Components can have "props" & "state"



ROUTE: / (Private Route)

Project 1: Start

Code & Resources

The final code for this project can be found in this Github repo:

https://github.com/bradtraversy/github-finder

Docs for the Github API:

https://developer.github.com/v3/

To Register Your Github App & Get Keys:

https://github.com/settings/applications/new

API Endpoints We Will Be Working With:

https://api.github.com/users

https://api.github.com/search/users?q=brad

https://api.github.com/users/bradtraversy

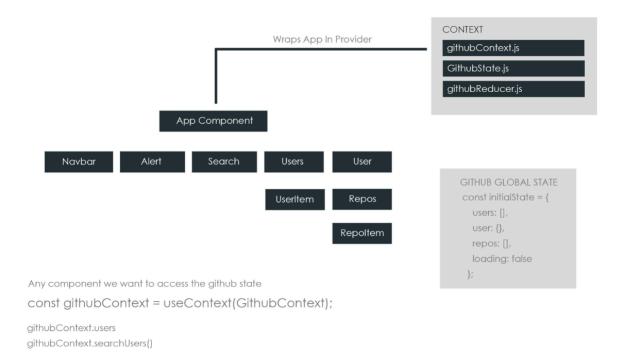
https://api.github.com/users/bradtraversy/repos

npx create-react-app

Components could be functions or clases

JSX - JavaScript Syntax Extension

Without JSX



Hooks

Functions that let us hook into react state and lifecycle Import { useState, useEffect } from 'react';

features from a function component.

- useState
- useEffect
- useContext
- useReducer
- useRef...

Also you can create custom Hooks

2. Contact Keeper app

- 1. npm init -y
- 2. Configure package.json
- 3. Install dependencies:
 - 1. npm i express (web framework)
 - 2. bcryptjs (habdle hashing passwords)
 - 3. jsonwebtoken (authentication)
 - 4. config (global variables)
 - 5. express-validator (validate email, passwords from user)
 - 6. mongoose (add, read, data, delete from DB)
- 4. Dev dependencies:
 - 1. Npm i -D nodemon (keep watching server, not manually server restart)
 - 2. concurrently (run front and back react server at the same time).
- 5. Add scripts package.json https://jwt.io/

Front-End

Npx create-react-app client

Config json file

Npm run dev

NPM install dependencies

npm i axios for using http client

react-router-dom

uuid for creating id

react-transition-group for front-end animations

... spread operator

Redux

npm i redux react-redux redux-thunk redux-devtools-extension

https://github.com/bradtraversy/it-logger/blob/master/src/actions/logActions.js

https://github.com/typicode/json-server

https://materializecss.com/