Handwritten Notes

PARCEL IS A BEAST"

Notes on Parcel -

Save for later

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In React, to get external functionalities, we use "BUNDLERS" :a) Webpack is a boundler These are alternatives c) parcel In create-realt-app, the bundler used is "webpack" Most bundlers do the same job. Bundlers are packages. If we want to use a package in owr code, we have to use a package manager package mornager. Ne use a package mornager known as nom or yarn. npm :- No Problem. Man inpm doesn't mean mode package manager but everything else. nom init (create a package json file)
We use nom because we want a lot of
packages in our project/react app. npm init-y] will skip lot of options.

npm install -D parcel it in own developed marchine. I parcel is one of the dependency Then, we'll get package-lock. json. Caret & tidle sign - Fread. our project will automatically update if we use caret sign. (1) "dev Dependencies": \{\frac{7}{2} \quad \qqq \quad \qu package, -lock. json you are using. exact you which revision of the library Common issue ?) "Something is working on my localhost/mymachin but not works in production". Why? A). Package-lock file tells the exact version of the library we are using. Suppore, for der dependency de re uning 2.8.4 vernion & is right in package-lock joon file.

But in package json' file, ut will be like 'package-lock' file is om - file that locks the node_modules -> which gets installed is like a database for This is where the Super powers comes from. -> Our app has dependency on parcel'

-> parcel' also has dependencies on something else

All these dependencies / superpowers are in

node_modules! ?) We don't put node_modules unto git why? have Sufficient unformation to recreate node_modules. The Version of everything in node_modules.

(node_modules) (node_modules) OUR machine SERVER Package lock ison Package lock-jsm ball others are sowed roged it we can has to constitute or J. D'node_modules in our machine com be regenerated in server using the package-lock. json file. Previously, we used CON links to get react into our app. This is not a good way. We need to keep react oin out node-mod npm install react npm i react-dom

To ignite out app. npx parcel index. html execute using npm Click Enter Then, a miniserver is created for us. like localhost=1234 Parcel given a server to us. "farcel" ignited out app. As we removed CDN links, we don't have react in our app.
So, we want to import it ainto our app.
For that we use the keyword "import" Never touch 'node_modules' & 'package-lock; ioi Normal je browser don't know "import". So, it shows everor.

import React from "react"; import React DOM from "react-dom'/client";

As we got an everor, we have to specify to the browser that 'we are not using a normal Script tag, but a module'.

L'Script type = "module" src = "App.js"> </script>
We cannot import a export scripts cinside a tag.
Modules can import and export.

Note:

* Hot Module Reload (HMR)

-D means that pancel will keep a track of all the files which you're updating.

* How HMR works 2 10 1 34 300

in C++). It keeps track of all the files which are changing realtime & it tells the server to reload.

These all one done by "PARCEL".

* There'll be a folder called -parcel-cache which will be there automatically. In our project, parcel needs some space. So, ut creales parcel-cache * dist folder keeps the files minified for us. When we run command: npx parcel index. html This will creates a faster development version of our project & serves it on the server. When I tell parcel to make a production build: npx parcel build index.html It creates a lot of things, ininify your file. And "parcel will build all the production files to the dist folder" * What takes a lot of time to load in a website?

A):- Media - Images

Percel does image optimization also. * Porrel also does "Caching while development".

* Parcel also takes care of your older version.
of browser Compactible with older version of browsers? Sometimes we need to test own app on https being something only works on https. Parcel gives us a functionality that we com first build own app on https. on der machine. npx parcel index. html -- https K Should put the parcel-cache cin gitignore Decause, anything which can be auto-generated Should be put cinside gitignore. gitignore. * Parcel observes: Consistent Hashing Algorithms Cailming while development 1. Housel also cluss

* Parcel is Zoro Config.
Parcel features com a glornce:
-> HMR - Hot Module Reloading
-> File Watcher algorithm - CTT
-> Bundling -> minify code
-> cleaning our code
-> Der and production build
-> Super fast build algorithm
-> Image Optimization -> Caeting while development
-> Compression
-> Compactible with older browser Version
-7 HTTPS on der
-> port Number
-> Consistent Hashing Algorithm
-> Zero Config -> Tree Shaking