

Episode 2 - Ignite Our App

- 1) Create a Repo on Grithub
- 2) In project add these commands
 - git init
 - git add README.md
 - git commit-Mmain
 - git rumote add origin
 - git push -u origin main

Con only React make our fast? React can only make an app fast to an extend

NPM >> It does not have a full form
It stands for anything but no
node package manager.

It manages packages.
All the packages and utilities that we need in a project come from nom.

How to include npm in project? In terminal

- nom init

package name: (namaste-react)

version: (1.0.0)

description: This is Namaste React

entry point: (App.;s) test command: just

git repository:

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license: (ISC)

package join has been added to the project

package join file is a configuration for our nom

packages are also known as dependencies

npm will take care of the version of the package

What important package/dependancies do we need to install?

Bundler > Our whole code needs to be bundled together, it needs to be minified, cached, compressed, cleaned before we send it to production

Webpack, parcel, vite are some Example of bundler

It packages your app so that it can be shift to production

How to install Parcel? Run the following command:

npm install -D parcel

der dependencies -> It is generally requires during development

normal dependancies -> It is used production also.

What is package-lock joon? It keeps the track of exact version of the dependency

Package join Keeps Opprox version & package-lock js keeps exact version.

What is mode-modules?

All the coole we fitch from npm. It's like database for our dependency. Dependencies required for a dependency is called Transitive dependencies. Every dependency will have package , joon with its own dev & normal dependencies

Should I put all these node modules to git, production? No, if I have package your & package-locky It can regenerate our node modules

What is gitignore? When we don't want anything to not go on github or production, we use gitignor

Go to git ignore and type /node-modules

Should I put package-lock; son & package from on git? Yes, maintains the note of what all

dependencies our project needs

Ignite the app nox parcel index. html

parcel has created a server npm -> command of npm $npx \rightarrow executing a package$

Another way of getting react in app

(l) npm

- @ CONTinks -> mot preferred way of using react in a project
- → We can already have React in our mode module we don't have to make a network called externally through CDN
- → Using CDN will not update it to the newest version automatically

In terminal, nom install react/ nom i react nom install react-dom/nom i react-dom

How to use react in file after modules installation?

import React from "react" import ReactDOM from "react-clom" Ervor: Browser Scripts can't have imports and Exports

<Svupt suc="./App.js"> <|script> Browser trusts it like normal Is file

Normal Is files can't have imports d exports

We have to tell the browser that its a module

<script type="module" src="/App.jx"> <)script>

Now react is coming from module not from CDN links

import React Dom from "react-dom/client"

What does Parcel do?

- Der Build

- Local Server

- HMR → Hot Module Replacement

- File Watching Algo → written in C++ To keep a track of every change

 Caching → Faster B wilds present in .porul-cache

- Image Optimization

- Minification

- Bundling - Compress files - Consistent Hashing

- Code Splitting

- Differential Bundling → To support older & newer browsers along with devices

- Diagnostic

- Exiter Handling

- True shaking Algo -> Remove unused code

- Different der and prod. bundlers

How to create production build? In terminal, nox parcel build index him

1/ Envor

Because here we are giving entry point as index. html but in package. join entry point is . 1App.js

This conflict will lead to ever → So "main": "App.js" needs to be rumoved. from package is

After creating production ready coole, it will put it in dist folder in form of development build

Don't need to put dist & parcel-cache on github as they can be created again





How to make a project compatible for older versions of browsers? By using Browsers list in node-modules

Add this in package

"browserlist": E "last 2 Chrome version", "last 2 Firefox version"

You can search it on browser list website

> "browserlist": ["last 2 versions"