

## Episode 2 - Ignite Our App

- Create a Repo on Github
- In project add these commands 2)
  - out init
  - git add README.md
  - git commit-Minain
  - ... rit rumote add origin ....
  - git push -u origin main

## Can only React make our fast?

React can only make an app fact to am extend

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

> 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: (100)

description: This is Namaste React

entry point: (App.js) test command: just

git repository: Keywords: react, namaste react, Is

author: Khushi John

license: (ISC)

package join has been added to the project

package join file is a configuration for owe 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, wite 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 you keeps approx version & package-lock js keeps exact version.

What is mode-modules?

All the code 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 ison with its own der & 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: json & package json 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 → executing a package

Another way of getting react in app

(1) npm

- @ CDN links > not 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 npm install react-dom/npm i react-dom

How to use react in file after modules installation?

import React from "react" import ReactDom from "react-dom"

<Soupt suc = "./App.jx"> <|swipt> Browser treats 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" suc=":/App:jx"> <)script>

New react is coming from module not from CDN links

import ReactDom from "react-dom/cient"

## What does Parcel do?

- Der Birld
- Local Server
- HMR → Hot Module Replacement
- File Watching Algo → written in C++
  To keep a track of every change
   Caching → Faster Builds present in
- .parul-cache
- Image Optimization
- Minification
- Bundling
- Compruss files Consistent Hashing
- Code Splitting
- Differential Bundling -> To support older & newer browsers along with devices
- Diagnostic
- Exitor Handling
- True shaking Algo -> Remove unused code
- Different der and prod. bundlers

How to create production build? In terminal, npx parcel build index.html

1/ Envor

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

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

After creating production ready code, 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

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"browserlist": E
"last 2 (hrome version",
"last 2 Firefox version"
3

You can search it on browserlist website

"brouserlist": [ \_"last 2 versions"

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