

> | Ebross - 05 | I GNITING THE APP npm > npm does not have full born.

is work as node prekage manager.

behind the scene. - standard Reposatory for all the Webbrele. It like a bemoller. el basicelly bundles the and shift the production. create - react - app uses webpark behend the scence. Parked > npm install parcel > is like a bundler. DevDep. Depedency normal

[in leulopment] [used eix broduction

phase] also] parcel": "Q2.8.3"

package Ison - is basically approx version,

package lock Jan - Danielly approx version. A Conglination. Keep trackeng the exact ners con.

NODE MODULE > contains all the cade that we fetched brom npm. npx, when execute the package with the help bpm > is we to install a packenge. → @ CDN link il net a pood way to do to bring React and Peact Dom broject oather than -> we me nom enstall peact. read more as il a prefered way. parcel 20 cumentations # parcel > Dev Build created becal server created 3 Represent page. HMR > Hot module Replacement vetreet after update or change anything en cade. en cade. and enhancing the performance at web. I do inige apternération

Laying the forendaling Ebrose-03 @ poact. (realescement > object > When we render this element anto the DOM then it becomes the HTMLEtement npm run start > npm start (for doupt) npm run build > npm our build (for pood) React - using of this, we can create element. 1 Peact Dom - wing of this, we can display to onto the Browser. = simport Peach from Wealt! emport ReactDom from reactClient; Fourt. (reate Element > object > Hrm. Element (render) const heading = feart create Element ('M", { id: "heading"}, "Nameste React'); wing console log (heading); const souteading = </ri> const root = React Dom. mente Root (do cument get element roofsender (heading) JSX> JS Syntax which is easier to create element.

1.1

Read myself]

browsers.

ode

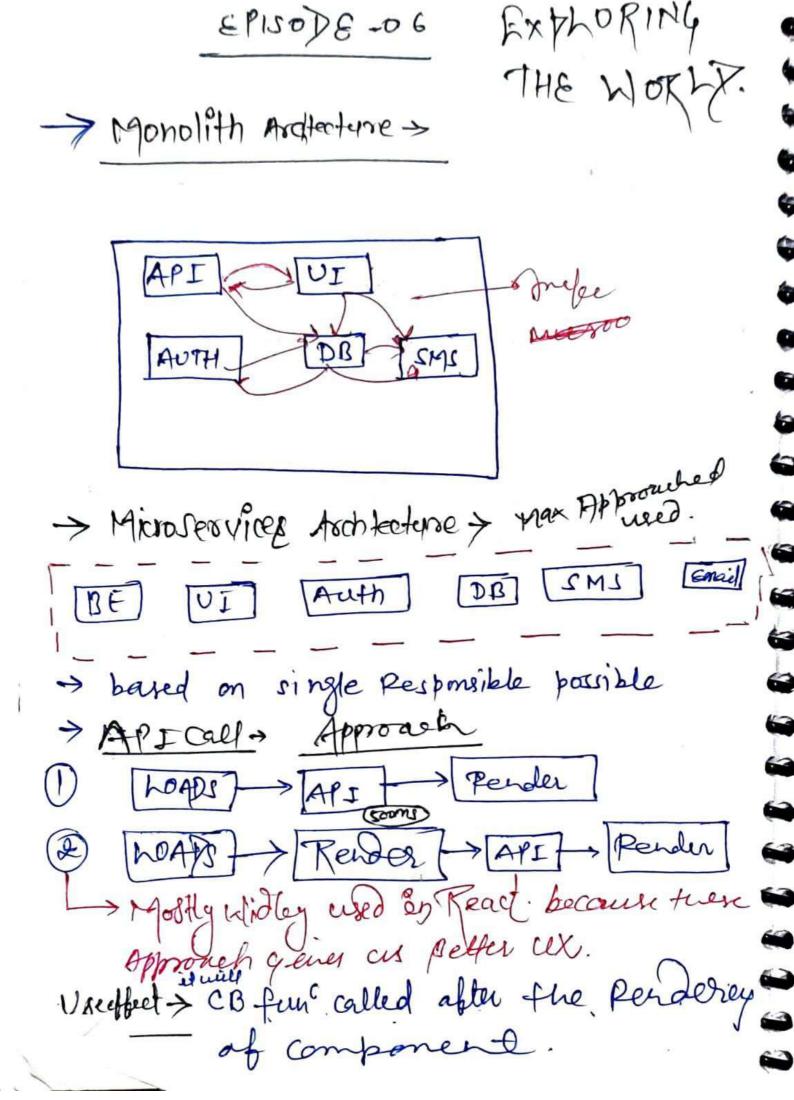
(8) JSX ei net a HIML on JS
Isx is a like HIMI like
Ø JSX is not a HTML in JS.
JSX is looks like HTML syntag.
- JSX is defort syntax.
Is compiler exhal;
3 JS+ Ctranspiled before it reaches thois) - Panel-
Const Jixtleading = <h1 id="heading"> Nameste 2/n17</h1>
console. Log (15x reading);
court root = React Dom. (reate Root. get Elements d ("root"))
root. render LISX Heading).
JSX) Babel Convert convert schepeie curdentand.
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EPISOPE OF STALK 13 CHEAP, show stoul me the code 13 Duild food ordering APP. Conforments BODY TO (trime) famour (1) Container some HEADER > @ Logo 1 Nav 1 search search (3) container © card. → Directe at Rest © renting @ 4 copyright some lenks etc. Footer > # pro ps - Jest normal argument at an femilia MA website our by landing druces of IF config a driven UI -> mandellaignes all UI is drever by

LETE GET HOOKE EPISOT8 -05 otypees of export & emport Default: Export/emport name: export / enfor A export Schault - asport const component. component: - emport component -> emport [component] from 'path'. 3 flooks > Duse ofater) - Bram "Path"

Duse ofater) - movember the state ways Penet is fast because & the soon. -> whenever a Porte variable is changes, React is Resembering of i known Something charge componente. Recongliation = 3 Peach uses A Gos ithm, also chewn as "React fibor" O sel-contrerier 55888 JJJ of ChRenet 16 3-filered cards. > Peact excelle virtual Don > P Virtual Dom is not Actual Dom, is only Representation at Actual Dom

peff negorythan fords it faids diffet byes chicket cheal som & weitered som. OLD Virtual Dam New Waterel Dom -> Debt Algoryth > et finds the deft of w newtool som to new weiter Dom then it what whate update the Actual son. > Virtual Dom is kind of like a abject Peporesentalion. that will represent the HTML. the HIML from React febre Architectere. ramputeting because it has vertuel peach filore (Least 16) it new way of fund cip the aporting the Day



(OSA) fundamental!!! Exthoring -optioned draining -THE WOXLY. il entroduce es > optimal chaining > # prémitive value Don't have properties. the optional chaining is a safe way to access nested abject properties, even ét an d'entermodiate property doesn't exist. it is reportesented; De > Max Appromised. > The optional chaining stop the enaluating if the value before? is possible possible undefined or will and seturns undefined. We usually prefer optimel > Pender chaining outher use of (> API) Pender es t else Antement Read because then selfer UX. Durhenever state variable update, after the Renderey react triggers a reconsidation cycle C re-sender component)

CHAPTER- OF IFFINITING THE 3 use effect - PATH. iseeffect is called in every Render - it dependency array = [] = use abbect on ential render (sust - et dependeny array is [btn Name] when 'stin Name React' is updated. 3 use Fate + et is use for creating local state variebles ensider function Component on the heigher livel - hever use send enside et else case i conditional 2/for coop/fug.

ROUTING SECTION -> exected confeguration from Reret-Router-Don' > create Browser Router f Router Provider from Peret-Rorder Dr -> 0 frere are many way to wester Router but A/c to the obbicial document shey also recommend to use at courte mouser Router. - use Router 8000 hooks Gives us ketter misj oregands to Correr 3 create children Route > there is outlet complet which or movided by React - parter - Pan, a outlet are usery for 7 children Route

Frisope-08 @ GET LETE CLASSY -> older way so use of react. Sared components. O Why dowe write super (broks). Bhener we update Ante war variable directly ensted of using finis. Setstate (21)] I if contain the narrible. so byf cycle + constauctor > Render > componentalid mount. > Component Did Mount are used to Make Applall. > Parent constructor > Parent render >

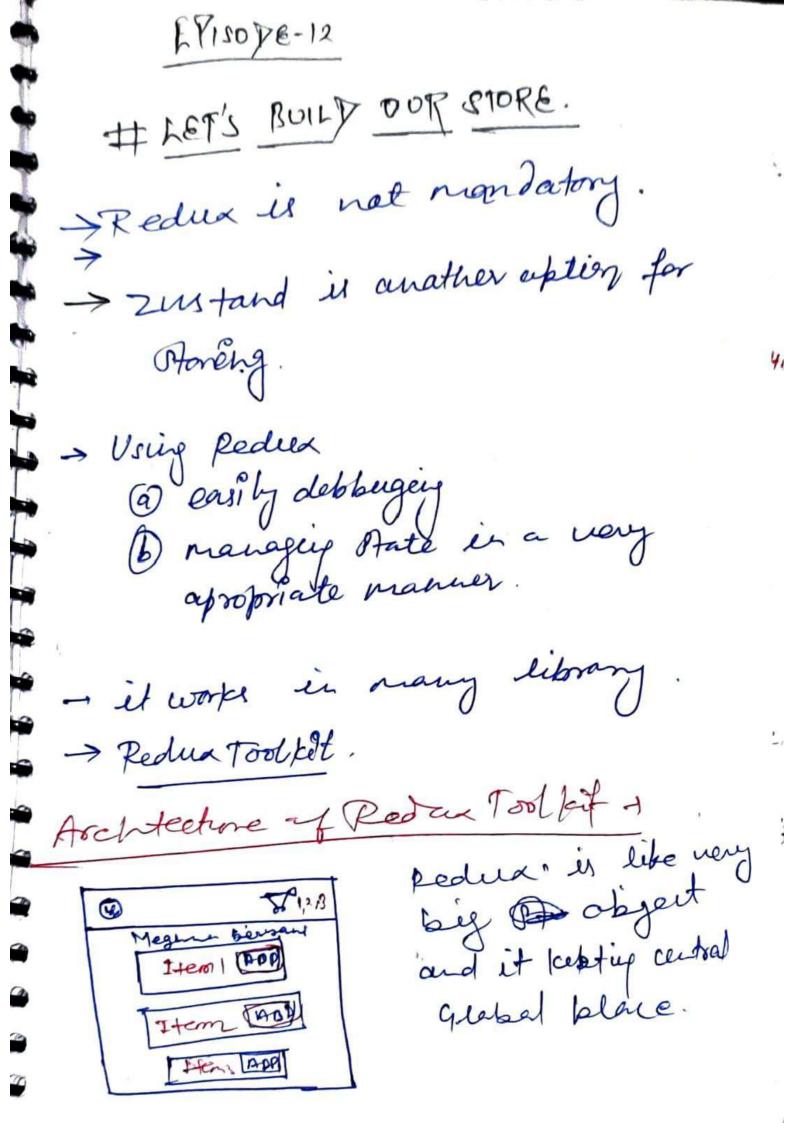
child constructor - sheld verder > Parent child sed Mail

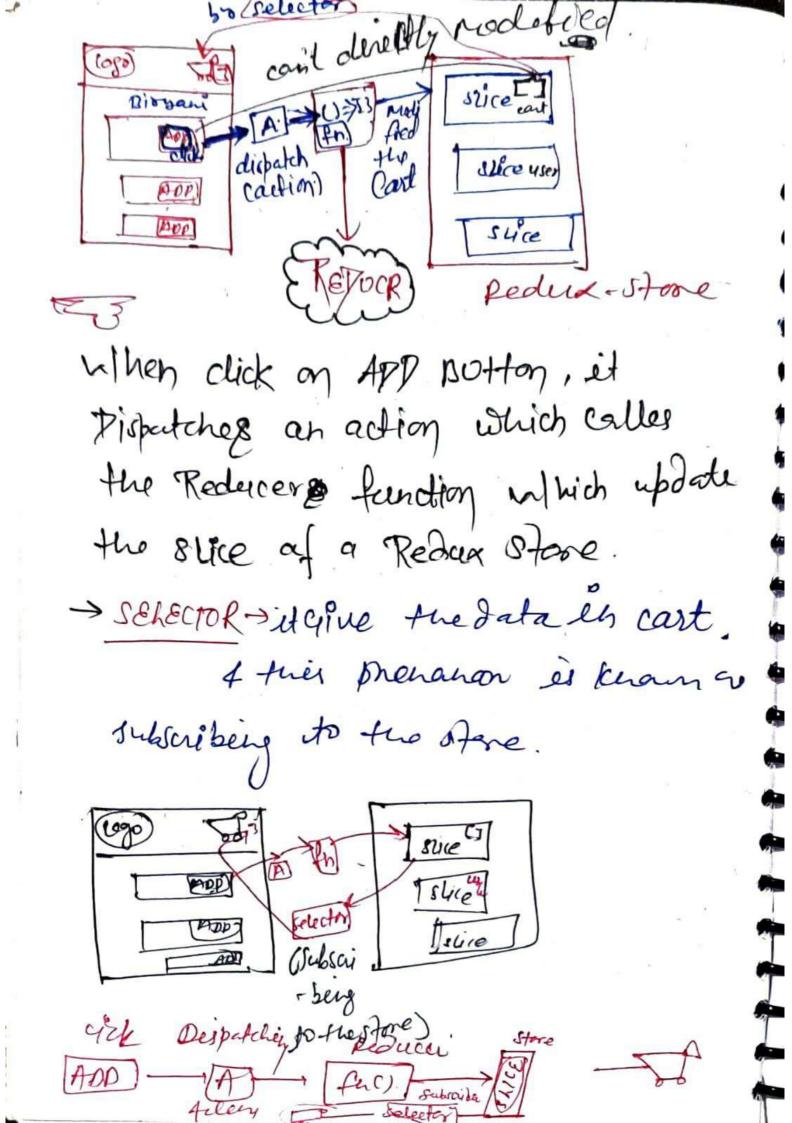
> child compression

How does work component city- 19000 3 Parent constructor - Parent render - first constructor first compont did mount - second component Did mount parent compont did mount > Referred + www waj termai pl - React is fast becar at it has two thases - Dommit phase Pender phase - Pure and has no side effette may be paused, abortedor restruted by Perd. commit phase - can work with Dom, a run side effect, schedule updates. > Mounting cycle happened after that updating cycle happened - A component mounts when it's added to the screen A component updates when it succeives new props or ofate, usually is response to an enteraction. removed from the screen.

EPISONE-10 PICHATA HAI WO BIKATA HAI. IT SASS & SCSS Les not recomended way in production acrdy appl. Long way to repe beautiful US. > styled- components. com La recomended way. - Material -UI > Tailwind -> chakar-UI. chakra UI. -> boot stoap > ant design to design Ther are many way rake awesome the web bage and user experience. → We mostly used tailwind, Bootstrap, scars, material-UI.

F7150/28-11# THE NEW OIL. > HOK + reigh order component -> contralled & curcontrolled component. -> libling the Batup. [MXX] 4 pead it from Peact Documentry. → Prop drilling. two way by using user context. by using a flook (usry common way)
with for comport. Cavith Ches Compat)





Fredux todkit 3+ps >

@ install library > conductor tothict of react redux Dreduce tool kit of react reduce (b) build our store. Connect our store to our App. Create slice coartslice) - Reducers for writer add maked slice to our stone tiesport contslice. Reduce Despatch caretien) emport conssice actions & Selector (dead the date using of selector) > configurertone is the redux job. -> Proceeding it to react app in the react-reduce jab. -> use selector gives us acces to the store > Reducer - Rédaier et a function which handle the action. We selecto (CS)=> s. cart. etene Deheid the riene Imm

basic concept of Pediex > > pedua-toolkot. > endependent state library. 1 ocdus 1 too) /4-1 emport. configure store from export court store = configurestore (13) emprot [create Slice 3 from 'Qredux /tvo//cit';

const emitialstale = []
Reducers af store with using of to Peduler fr. -> dispatch (cheducerth)) > redux es core lébroary 4 peach-Redux is nather but it is emplemention to for within making bridge with great -> Mener mulate State. Store - Seryle source of touth.

I sprere is no sale flow → seducer fr get two nature i e (State, action) State > updated state value In the store. Action - Action . Payload. 3 Redux took ket uses Immer BTs. Beheir the Scene. et say that either mutate the existing state or return a new In use relector - carefull about subscribe the specific portion of store.