React (Day-6) 111 ; 11.

Monolethic is plicioservilles architectual I all of the design (minuse) where he is

Menolithis: - from beatiful is the say buttone to

- JAH me cervice one withen in a congle codeban.

- Conce et : a ca comple code base, came tech chack l'anguage chould be vied theory we project.
- seen poi a small charge en project, whole project needs to go meough build and deproyment cycle,

pleasewill:

- billiant services are weither reparately.
- There project to low separation of concer Songle Responsibility Parnciple

a notation and a more than to

- Diff tech cracke can be used theoughout different
- Fach service is deployed on separate part and is mapped to an indpoint.
- There curical projected with each other theoreth Apis and make up a one bis proper-

Two ways to feel data from Apric. I MANUALIA.

pender OI 7:3 ppI reall figs. He coon as 1

Bad UX, as visu have to wait (see blank screen) onthe data is fetched through API

As soon as Render - plake API)- Per-hander pase pare loads, UI , call with new data Cichemmer

The second way of felthing API data i gives the Usu a better ver experience (UX) by rundling. a us initially (skeleton) which can late be one rendered after data is fetched through APT The board of marries and famous day not . - We will use the 2nd appeared to fetch data. - Tent et costly to se render, twee? La peart 90 fact AF en rendu cyclul Use Effect Hook Li Comer from seast believy can be emposed leke this import (vseffert from real; et takes two args vieiffeet (1) => d Lo call back function Ly dependency away (, ET); Q) When is the call back function called in viriffet? If It be called as soon as the component (Pri which vieffiel is defined) renders. Nas, we can fetch level data from SWIAGY APE usoffeet (c) = 2 d my mile aday of mile in ferchDasa(); const fetherbala = asyne() => 2. considata = argue fetch t'API-URIL); const jeon = asyne déta= json(); (m. log C Json); nehon C.

But this well grief an exam A cors exal. we can't acces swissy data through APT Pr. our code.

who books us from doing this?

Te ver swissy? No toll. It is the braine theel Ps : blocking is finom accessing data from

other outpin.

= We can tacke this by prefalling Allas CORE extension on chame. Enable Pt while fatility data.

= [[2ead about "optional chaining] (in 35) feely easy in the first fet up had

Conditional Rendering

Before we drussed about 2nd way of fetching APE, ionie we tacked about shemme UI displaying until data is fetched through API was the

so this is close very conditional grandwing.

betoned with data is petched, we will sender the UE filled, with data. filled with data. signed it, since the same, present of the

Epeciality about Stall & & &

we's take an example:-.... > < Headle />

18 one Place Taxing.

Less say we defined à chall in me 21 feader 1> component which is logen state with defaut rathe "Logen" So we will foggle behoeen "Login" Z' "Logow" when the bottom of Wicked.

- => Some thenge to nose about what happens when button is clecked; -
 - * State gets opdated
 - For every etak opdak, whole component & sil-rendered.

 (gre-render = Header function & called again).
 - It But here, entereting thing Pe, greconciliation takes.

 place while every render eyel.

compared with plear preshed born (it algo) and only the button be updated.

2 Ponagu, Home-& Maisbau 3 came en }
both case so mey don't get updated }

Lithes Pr me best thong on qualt.

Though whole component is re-rendered, but only the difference from previous fall gets updated. In the objection on app certifast?

& Another doubt is, when we declare crase in 9th const: const (stall, external) = vsestate(defaut),

Const courable?

row: For every tome the clase es charged, a whole new clase is created with the updated wall of crase (or me new iender cycle)

is so we are not defyrne me rules of Is.

sout a new chall with come nount of created in new rande with your with

" DOM MANIPULATIONS IN WEB APPS ARE ONE OF THE MOST EXPENSIVE OPERATIONS. AND REACT IS SUPER GOOD AT HANDLING DOM MANIPULATIONS MEFFICIENTLY" L's verne greacts' new (React Riber - gre conciliation cycle) algorithm March 196 · All Appoint the Input & Input event handling const [enputrext, set Enput Text] = veestall "); will is said by Riverde, < enput ralie = Linput Text } /> giehen C. Now enteretting ming to not here is, ide earst enter anything on one onget box of our web pak. but why? Because we have bonded our local chall popultest. with the inputitor. so our expulstor, value will be locked/ fred to the inputred take reavable. -s so to fir this, we need to make out propulity me ability to change it is label =) the strained maple to on Change = Lee => Last Inputted (e. fairl andw)} Now we are charging the state on change of annu value. stalist value " Herible now which was then locked to its difaut rature temply strains) FUNIFACT: EVERY mosactes we enter on our enput box will fairses the orchange event which will further talgres state change and gre-sender of whole component.

NOU: NO mater how many su-sendar sueast has

to do because of the ornecessary amount
of characters we enser only the enput field,
sweet smoothy sienders only the enput field
as an opdated field and everything
else on the component stays the same
even shough re-render 2s hoppening.

- NOM: Another Price thing I have nowed is, who have we use a button inside a form, who hands on with event, we should first do a competent refault () to stop me button from juloading the page.
 - default nature to suload the pay whenever we submit the form by clicking the button we submit the form by clicking the button which is "preside" The prim.
- osher buttons outstell from plo not grefnest the pain as default behavior and Ropairent befault !)
 is not reided for them.
- reut form has the advantage. Even though whe have to vir powers Default() for the button onside have form. But form gives better semantices (4 TML) and also better UX (electing GAMER Es enough to make the button diet which is oneide form).