HANDWRITTEN NOTES

Props Dnilling + Data Handling in heact



Save notes for later

ASHRAYA K.K @ ashrayaa

- * Handling data for a web app is one of the most critical part.
- * In a web app, there is a
 - 1. > UI layer on cit (everything we see on browser)
 - 2. -> Data layer

UI layer (!timp)

- written im JSX
- -D at EOD, babel converts JSX into objects.
- -D'That big object structure is known as virtual DOM.
- Virtual DOM. used

 D'We need Virtual DOM, for reconciliation.
- The previous virtual Dan is compared with current one and whatever the "diff" is kept in sync with actual html DOM.
- Data layer.

Data Layer:

- What does DL consists of ?

o To maintain data within the applications, we use state and perops and more other things.

Difference between State and Prop?

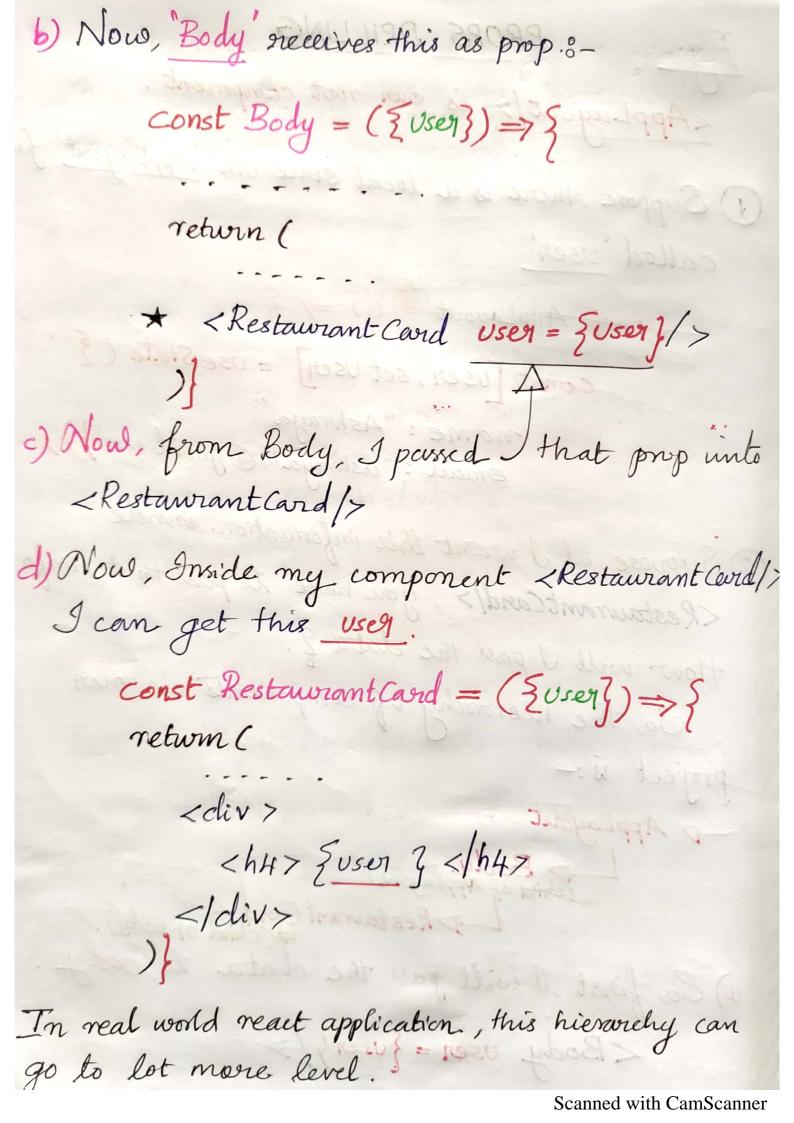
- · Suppose if we have a container, we want a variable which have scope just within that container. It is known as STATE
 - o If we have to pass data between one component and another component, we can use PROPS

PROPS DRILLINGS JANON Jana Shi

(install 'React Developer tools' chrome ext)

-D When data is passed from parent to child, and then to cit's child & then again to cit's child, this process is known as PROPS DRILLING

Eg:- PROPS DRILLING
<applayout></applayout> is own noot component.
1 Suppose, there is a local state in 'Applayout' fun
called 'user'
const Applayout = () = 7 }
const [user, set user] = use State ({
name: "Ashraya" email: "ashraya.14@gmail.com");
2 Common of 1 want this information inside
< Restaurant Card/>, you have to pass that info.
How will I pass the data 2.
30, the hierorochy of components cin own
project is:-
2 Applayout User
Child of Applayout
La Restaurant Card of body).
Child of Applayout Card to Body. a) So, first, I will pass the clata to Body.
< Body user = {user}/>



- * What if I have to pass data from child to powent?
 - There are various ways to do this.
 - There one very less cases where you need data from child to parent.

Ways to do this :-

(*) We can build "Custom Hooks".

CONS OF PROPS DRILLING

*15 PROPS DRILLING' a good way?

1 | just needed the 'user' info in < Rest Card/> but we changed 3 files .: < Body /> component does not needed the 'user'info.

So, banically, this will make our code chettered So, If we have a hierarchy of 2 of 3 levels, at is okay to pass props.

But, if we want this data under 10 levels,

it's not a good way. One way to solve this problem is using REDUX

2 Suppose, we have data passing in from 10 components. It will make these 10 components to be revendered.