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 it (everything we see on browser)
 - 2. -> Data layer

UI layer (!imp)

- -D 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 application, we use state and props and more other things and 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 DRILLING

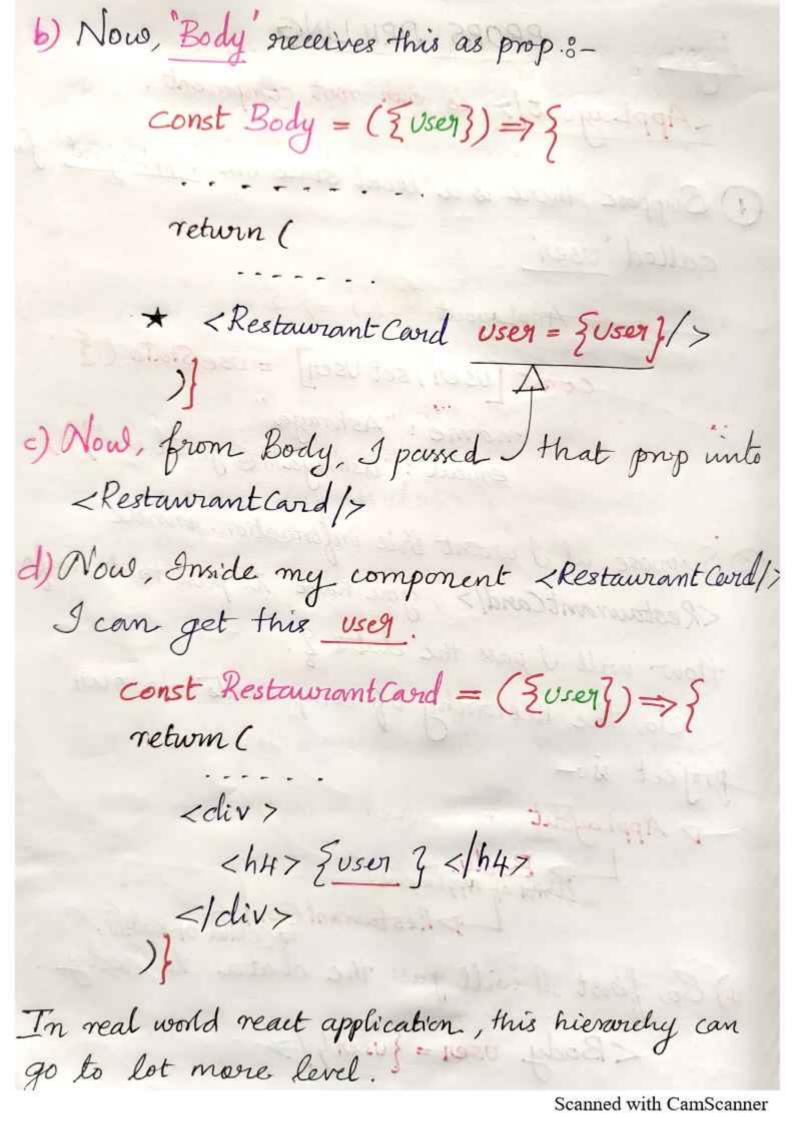
(install 'React Developer tools' chrome ext)

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

DODDE DOULING
Eg:- PROPS DRILLING
<applayout></applayout> is our root component.
1) Suppose, there is a local state em Applayout for
called <u>user</u>
const Applayout = () => {
const User, set User = use State (2
name: "Ashraya" email: "ashraya.14@gmail.com");
Suppose it I want this information inside
< Restaurant Card/>, you have to pass that info
Hour will I pass the data 2.
So, the heerorchy of components cin own
project is:-
- D Applayout User
Child of Applayout Card of body). Restaurant Card of body). De linet I will pass the data to Body.
L D Restaurant Card of body).
1) & first I will pass the data to Body.

< Body user = {user}/>

Scanned with CamScanner



- * 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 Cord/> but we changed 3 files .: < Body /> component does not needed the 'user' info.

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

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.