**Namaste React**

**Chapter 11 Data is the new Oil**

Whenever we are building big applications handling the data of it will become the most crucial part of it and there are various ways to handle the data.

usually, we manage our data using state and props, but that’s not the only thing that we handle the data with.

when we have multiple components and we want to pass data from parent component to child components we need to do like below,

AppLayout

(state=user)

- <Body user={user}/>

- <RestaurantContainer user={user}/>

- <RestaurantCard user={user}/>

- <h4>{user}</h4>

**Props drilling?**

When we pass the data from parent to child and from this child to next child forms a chain and this process is known as **Props drilling**.

Prop drilling is a situation where data is passed from one component through multiple interdependent components until you get to the component where the data is needed.

we can use the props to pass data if we are having hierarchy of 2-3 levels, but for larger apps and more number of levels it is not a good way.

**Disadvantages of props drilling**

* As your codebase increases, prop drilling can make your code overly complicated, and this can only get worse with more additions.
* props can be passed down to components that don’t necessarily need it just for the data to get to the child component, leading to an unnecessary increase in the codebase.
* With an increase in codebase, it may become difficult to keep track of props names, especially in a case where a props is renamed halfway through the thread.

**what if we want to pass data from child to parent?**

one option is to create custom hook and then pass the data to parent. but using hooks to do this is not a good way.

what are the ways to pass data from child to parent?