

Chapter 11 - Data is the new Oil

Theory:

- What is prop drilling?
Prop drilling is a process of passing values ,states ,callback from parent to child ,then child's child , again child's child's child from parent.
- What is lifting the state up?
Lift state up is a concept in react where we remove all the states from a component , get those states written in parent passed to these components as props. With this process parents have control over the child component , it is called a controlled component.
- What is Context Provider and Context Consumer?

1. Context Provider

In react context used to create a global variable which can be accessed to any component without manually prop drilling . For creating context in react , React provide a built in function which can be used like below

```
const userContext = createContext({})
```

here, we have created a context using react create context

Now we need to to create a provider to wrap our context

```
const UserContextProvider = ({children})=>{  
  const [user,setUser] = useState('shubham')  
  
  return (  
    <UserContextProvider.Provider value ={user}>  
      {children}  
    </UserContextProvider.Provider>  
  )  
}
```

Now we can wrap this in any of the component or in global to use in any child component

2. Context Consumer

The Context Consumer is a way for a component to access the values provided by a context without using props. It allows a component to subscribe to context changes and use the data it receives

- If you don't pass a value to the provider does it take the default value?
if we don't pass a value to the provider , it will take the default value we have configured while creating context
but if the context is nested then it will take the nearest context value

Coding:

- Practice React Context with code examples
- Try out Nested Contexts

References:

- [Lifting State Up](#)
- [React Context](#)

coding assignment :<https://github.com/shubham12346/foodOrderingApp.github.io>