

Good Morning

useRef() Hook --- to create a variable that is alive for the entire life of the component

Sharing Data Between Components -----

1. PROPS

2. Lifting State UP

Limitation --- The Components Must be in Parent - Child Structure

3. Use localStorage of the browser

Limitation ---- The C2 cannot see the change in Data unless localStorage.getItem() is called

4. To use Redux Store

- Redux is a node library
- We can create a Redux store (storage) that holds some STATE
- The state can be managed through some functions called as ACTION
- All the components who want to use the STATE should SUBSCRIBE to the store

The components may work with the STATE in TWO ways ----

1. Read the value of state
2. Change the value of state through action

Redux maintains a list of all components subscribing to it

Whenever there is a change in state it will notify the latest value to all !!!!!

Steps To Set Up Redux Store

0. npm install redux

npm install react-redux

npm install @reduxjs/toolkit

1. Create file mystore.js

a. We write a function called as REDUCER function

i. Initialize State

ii. Define actions

b. We need to configure a redux store

c. export the redux store

2. Enclose the App or the Components that are using the store in

<Provider store={exported store should come here}> </Provider>

3. The component that wants to read the values should subscribe using useSelector hook

let v = useSelector(callback that gets the state as parameter, return the value of state that you need)

4. The components that want to modify the values should get the dispatcher using useDispatch()

hook

Let d = useDispatch()

Whenever component wants to modify

d({type:"action name" })

Ex ---- AddComponent ShowComponent - use Redux Store

AddComponent add the string to array
ShowComponent show the array elements in

Express JS = A library that is used to build a WEB SERVER using Javascript

To setup a node project

Step1 --- create a folder

Step2 ---- npm install express } create a node_module

Step3 --- npm init } create the packag.json

Step4 ---- write a file cserver.js

Set up the express listener

Step 5 ----- node cserver.js } server will be started

