Context API Practical 1

1. In src create contexts folder
2. Create UserContext.js file

import { createContext } from "react";

const UserContext=createContext(null)

export default UserContext

1. Create UserContextProvider.jsx

import React, { useState } from 'react'

import UserContext from './UserContext';

function UserContextProvider({children})

{

    const[user,setUser]=useState(null) //data u wish to share with other components

  return (

   <UserContext.Provider value={{ user,setUser }}> //assign the object u wish to share to the value attribute

    {children}

   </UserContext.Provider>

  )

}

export default UserContextProvider

1. App.jsx

import React from 'react'

import Homepage from './components/Homepage'

import UserContextProvider from './contexts/UserContextProvider'

const App = () => {

  return (

   <>

   <UserContextProvider> //Wrap the components you wish to access the context in the <..Provider>

<Login/>

    <Homepage/>

   </UserContextProvider>

   </>

  )

}

export default App

1. Login.jsx //the component which will set the User

import React, { useContext, useState } from 'react'

import './Login.css'

import UserContext from '../contexts/UserContext'

const Login = () => {

   const[username,setUsername] =useState('')

   const[password,setPassword] =useState('')

   console.log('Username' ,username)

    const {setUser}=useContext(UserContext) // we are accessing only SetUser method in Login so only give that part of the value

   function handleSubmit(e)

   {

    e.preventDefault()

    setUser(username)

   }

  return (

    <>

        <form>

            <input type="text"

            value={username}

            onChange={(e)=>setUsername(e.target.value)}

            ></input>

            <input type="text"

            value={password}

            onChange={(e)=>setPassword(e.target.value)}

            ></input>

            <input type="submit" value="Login" onClick={handleSubmit}/>

        </form>

    </>

  )

}

export default Login

1. Homepage.jsx

import React, { useContext } from 'react'

import UserContext from '../contexts/UserContext'

const Homepage = () => {

     const {user}=useContext(UserContext)

  return (

    <>

        Welcome ,  {user}

    </>

  )

}

export default Homepage