React

Useffect first render kay bad chalta hay

Onauthstatechange ye bata ahy kay kiya login hwa or kiya logout or ye ek kam ye bhi krta hay signup kamyab hony say phly page khol jata hay ossy bhi slove krat hay

Optional chaining:ye kam krti hy jesa kay koi obj ki property exist nahi krti tu ye error nhi balky undefined dega

Render means ui py first tjme show krwany ky lie and re\_render means state update krny ky bad hti hay

Redux

Redux say hum ek store ky ander data rakhgy jesa ky humhy button ky py kahi bhi theme changeye ho means adshboard or detail

Localstorag m realtime update pta nhi chlta or redux m pta chlta hy

Redux: it is a store .. yaha pay data rakhen gy or jaha pa data chahia hoga yaha sy ly skty hng

Redux vs localstorage: local storage ma real time update ka pta ni chal rha jb ki redux k ander real time changes ka pta chal rha

Configuration :

Step 1; How to install redux:

1.Redux toolkit (npm I @reactjs/toolkit)

2. React Redux (npm I react-redux)

Step 2 : Src k andr store ka folder bny ga or store k ander index.js ki file bny ge

Step 3: index. Js k ander configurestore ko import krna ha redux toolkit sy

Step 4: slice bnana ha q ki store ko slice chahia

Step 5: import themeRedcuer from themeslice to store

Step 6: store ko app.js k file ma import krna ha ,, store to use krny k lia provider b chahia hoga

Redux 3 chezong pa kam krta ha:

1. Component:

2: Reducer (slice)

3: Store

Component sy data reducer ma jayai ga phr reducer sy store ma or store sy phr component

Reducer function : wo functions ha jin k zarai component sy data store ma jaye ga or reducer bnanay k lia slice ki zrorat ha

Implementation:

1: useDisptach: iska kam actions ko call krna .. actions directly call nhi ho ge .. actions ko call krny k lia dispatch ki zrorat hoti hai

2: useSelector: redux sy data get krna

Problem: redux k ander value to set krdi lekin refresh par value save ni rehta

Solution: ReduxPersist(save rakhna): Redux ko local storage k sath sync kr dy ga

Persist k lia persiterGate use krna ha

Combine Reducer krty huay 2 chezeng krna ha ..

To use themereducer and cartreducer we create a folder name root reducer

And inside root reducer combineReducer function combine themereducer and cartreducer

To find any wor d in vs code / ctrl+shift+f

Onauthstatechange:3stages

1)App start hny par

2)user login hua

 Dispatch ek function hai jo actions ko store me bhejne ka kaam karta hai. Jab aap dispatch call karte hain, Redux store ko update karta hai.

3)pathname chnge hny pa

Protected Routing : only Authenticated person can see the pages after login

Local install vs global ;;local cmd k andr chlta ha sirf,, global ka matsad cmd k andr use krna ha

Public and protected Routing:

Pulic directory k to par build ka file use krna ha

Rewrite all url;;;NO

Github:: no

PROTECTED ROUTING:

Agr user login ya register ka path hai aur user logged in hai tou navigate krlai dashboard pai

Agr dashboard ya add post ya koi bhi aur path hai jisko protect krna hai aur user logged in na ho tou navigate login pai user ko bhejde

Outlet: Routing children render krta hai

onAuthStateChanged kai cases:

App start hotai hi

User login hotai hi

User logout hotai hi

Pathname change ho means jab navigate hra ho

app.js say onauthstatecahnge ko router.js pay q le gyge q ki onauthstate change kay

ander hamaien ye chck krna hai ki user logged in hai ki ni q ki navigation hum router k bahir use nahi kr skty

kabhi bhi code repeat hra ho tu usko hum ek bana sakty hai

Next.js

React framework from the web

Aliais yes

Next.js properties:

1)pre-Defined Routes

2)server side rendering and client side rendering

3) fullStack Framework

4)

5)

6)

Npm run dev