

REACT ROUTER

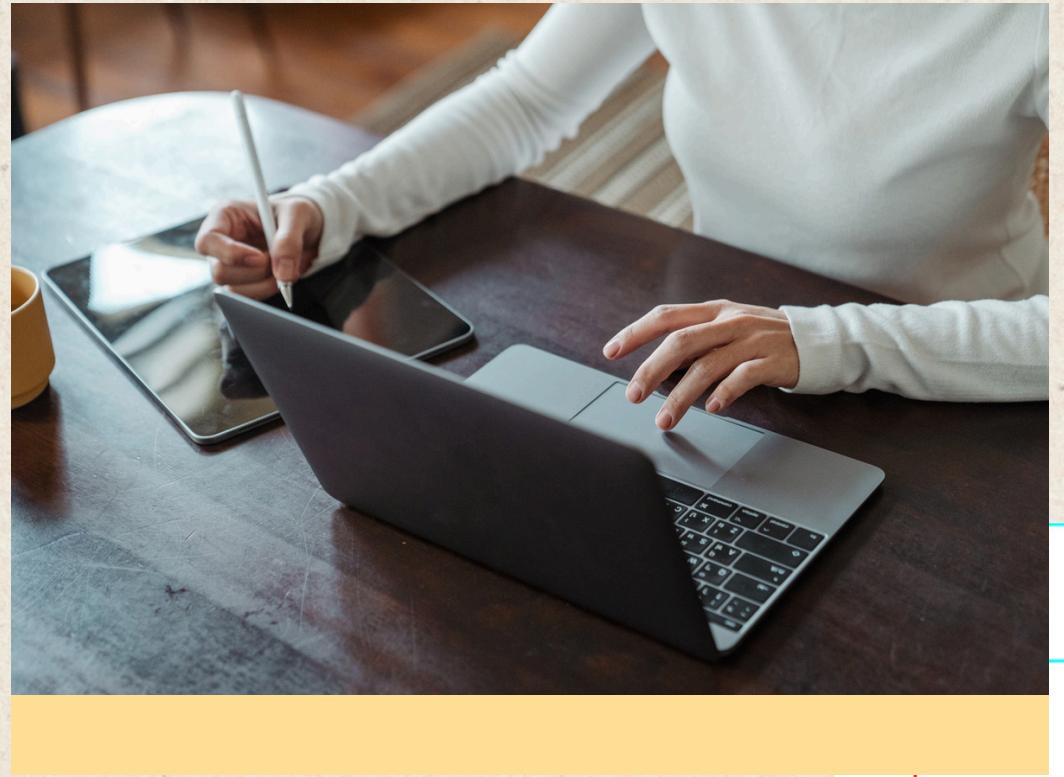
Presented by Hema Vardhan

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404 ERR PAGE

when user goes to the route that we did not define in our custom BrowserRouter then it shows default 404 page from browser but still we can catch that error route and display our own custom 404 page

eg:<Route pat='*' element={<PageNotFound/>}/>
this Route should be at the end of all our routes so that it catches any route that dosent match and sends PageNotFound component



LOADERS

react loaders are the new feature which is available to only newer versions of react-router-dom above 6.4 or 6.4

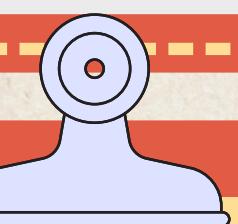
USES:

loaders are the way we can load data into components before rendered

lets say we have a component Products.js where the product data should be fetched from backend/api here loader will help us to fetch those products before that page renders into the browser

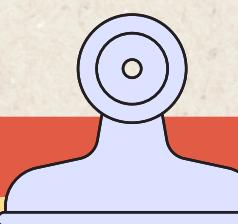
because of this we dont need to worry about using useEffect hook which fetches data when rendered into browser for 1st time coz loader fxn does all those for us before ahead of time

STEPS TO USE LOADER:



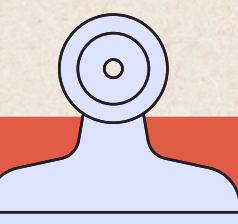
1

- create the async function that fetches data somewhere in project and export it



2

- next just import it where you created the BrowserRouter and insert that function into Route which renders that page into loader prop



3

now to access the loader data we use a special hook that gives preloaded data "useLoaderData()"
eg: const data=useLoaderData()
now data variable has the data it preloaded

now use the data stored in data variable

ROUTE PARAMETERS

route parameter is changable part of the route

but same component is shown for every variable

eg: /products/mens/:id

useParams()

react-router-dom provides a special hook which fetches the variable

part of the route and returns that

eg: const productId = useParams() this returns the id in the route

{params}

route parameter is directly accessible to loader function we create
we can access route parameter by passing {params} into fxn argument
and we can then use that : const id = params and use that id to fetch data

ROUTE PARAMETER IN LOADER

syntax of loader to access route parameter:

```
export const loadSingleProduct = async ({params}){  
  const id = params;  
  // manipulate or fetch api  
}
```

what to do next refer to loader in this ppt



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thank
you!

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