NEXT JS

React framework for the web

Alias… yes

Next Js Properties:

• Pre define routes

• Server side Rendering (SSR) and Client side rendering(CSR)

• Full stack framework

4)

5)

6)

By default nexts js server side rendering but it support client side rendering

CSR: react k ander file load hony ka tariqa kar kia ha

CSR ma Server react file client/browser ko dy deta ha or client react ko html&js ma convert kerta ha .

Phr usko runs krta ha

SSR: Converts React into HTML & JS

First Rendeing b kry ga…

Ye client side ko chalta hua code dy dega

<img> agr lazy load na ho to html k sath image b rednder krta ha jis sy performance

Lazy Load: Phely html show krwata ha or phr images k component show krwata ha

imageflip.com

Next js image component:

1: Image optimization (jitni image ki quality aur size ki zarorat ha us hisab sy image ko download ka raha hai e.g 500kb ki image ko 2kb kr k download kr rha ha)

2: Lazy load (pehly important chezen downloading pr laga deta ha or phr apny ap ko download krta ha,,,, or jaha user pehly ponchy usko show krwana ha )

Next js by default server side rendering krta ha

Key=id is lia detay hng q ki virtual dom ko node pa changes krny ma asani hote ha

Agr Server side (SSR)k ander agr hamain usestate ya useeffect istimal krna pry ho to kia kreng gy?

Ans: Iska hal yahi ha ki isko client side rendering pr ly jayeng (issy msla ye hoga ki fetchinhg wala kam b )

Is ka 2sra tarika

fetching ko server side pa rakheng gay r rendering ko client side pa rakheng gy

SSR ma fetching kreng gy

CSR ma Redering kreng gy:

CSR Vs SSR:

CSR:

1: Server transfers React files to client side .

2: Client side downloads these files as it is

3: Converts React into HTML, CSS and JS etc/

k4: And then renders.

In short server sy client per filed download hoti hain aur client hi per convert hoti ha

(office boy chai ki patti, dodh, micro oven ly k class ma aye ga or chai bna k boss ko serve kr deng gy)

SSR:

1: Server convert React into HTML, CSS and JS along with first render.

2: It transfers these converted files

3: Then renders

In short server se convert ho ker client per download hoti hai aur show hojati ha

(office boy Kitchen ma chai bna k bana banaya chai class ma ly k ayai ga)

SEO: (website ki ranking krna)

Crawler (Bot):

1: Visits websites

2: Download the HTML on first render

3: Takes out the SEO keywords and rank your website

(In CSR when client first visit site the it find Empty HTML file, as in useeffect run after fisrt component first run so )

Interview Question:

Q 1: What is CSR and SSR.

Q:2: Benfits of SSR over CSR:

Performance ..bana banaya HTML ki file mil jati ha

SEO Optimization

Q 3:

Could you list down some benefits of next js over React APP?

1: SSR + CSR

2: Predefined Routes

3: Images optimization + Lazy loading

4: FullStack Framework

5: Error handling (error.js) agr file k ander koi error ayai to ye usko handle krta ha

6: Loading Handling (loading.js) agr global use krna ha to app k ander rakhna ha or agr 1 component k ander use krna ha to us component k folder k ander file bny ge

Q 4: can we use useEffect or useState on SSR?

Ans : No, but we have to go to CSR

Q5:How to set Aliases

Alias k lia config.js k ander

Aliases k lia config.js k ander "compilerOptions": { "baseUrl": ".", "paths": { "@/components/": ["components/"] }

Paste krna ha