**NEXT JS NOTES**

In React Bascially – component, state variable , Hooks

When we create a build for react app then its create a javascript file then we deploy(push or upload in simple word) on server to Host or Live the website.

So react javascript bundle load on BROWSER –

1. Its take some time to load coz its heavy
2. All useeffect hook load and fetch api call then after comes data from server u store in state nd then render on UI after that user interact or see your website .

Note: so basically for user experience its not good , loadind time slow anD SEO too !! .

To OVERCOME THIS PROBLEM WE USE NEXT JS .

What NEXT JS DO –

1)**BUILD**: When we create a build in next app then wo data jo baad me load hona hota hai wo usko phle se hi fetch kr k directly HTML AND CSS file bana deti hai and then we deploy on server this html and css , so user when comes on your website then he directly see HTML AND CSS . (so data load ,api call kuch need hi nhi pada isme dts y its too fast ) SO **NEXTJS IS GOOD .**

**2)SEO –** Seo improve IN Next js due to reducing load time of website.

**Seo means google pe apni website ko top pe rank or show karana.**

IN REACT - Google bot when comes on your website then react app load and then api call after 2 OR 3sec data comes and store in state variable and finally all thing show on UI . ItNE der me bot assume your website is empty so dts y apka SEO apka kam ho jayega .

IN NEXT JS : already HTML AND CSSS file Loaded so google bot comes and see all your web page without any delay so its Rank easily !

1. REACT client side rendering where Next js Server side Rendering.
2. Routing Easy – when you create multiple page then we use Browser router in react where in NEXT JS Its inbult just create a folder of that file name and inside create a file name of page.tsx . and folder name is your direct route . of the file page .

React internaaly Web pack to create a bundle wch takes time.

Wher Next js use RUST . so compile time and build time is very fast .

5)Next js is build by vercel.com wch is Hosting platform. And its also make easy a CICD pipeline deployment. And provide a FREE HOSTING .

PRIVATE FOLDER -   
private folder tell next js hey this folder is just for internal stuff don’t include it in the routing system.