

React JS VS NEXT JS

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React JS

- **Javascript library**
- **Client Side Rendering**
- **Need to add packages**

Next Js

React Js framework

Server Side Rendering

Many have already added

React Js official website recommend to use Framework like Next JS. Developed by Facebook in 2011. It is used to create single-page application for e.g facebook, Netflix

Next Js is a framework that provides many features

- ***React.js: A front-end JavaScript library used for building user interfaces, primarily focused on creating single-page applications (SPAs). It provides flexibility in choosing libraries for routing, state management, and more.***
- ***Next.js: A React framework that adds additional features like server-side rendering (SSR), static site generation (SSG), and more, making it ideal for building optimized, SEO-friendly applications.***

Routing:

- ***React.js: Requires third-party libraries like React Router to handle routing.***
- ***Next.js: Provides a built-in file-based routing system. The folder structure in the pages directory automatically defines the routes.***

SEO Optimization:

- ***React.js: Since it relies mostly on client-side rendering, SEO can be challenging, as search engines may not fully index the content until JavaScript is executed.***
- ***Next.js: Offers better SEO out-of-the-box with server-side rendering and static site generation, allowing search engines to crawl fully rendered HTML.***

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Full-Stack Capabilities:

- **React.js:** Focuses purely on the front-end. For back-end and API handling, you need separate tools or libraries.
- **Next.js:** Comes with API routes, enabling full-stack development within the same project. You can create serverless functions for handling backend logic.

Thank You