

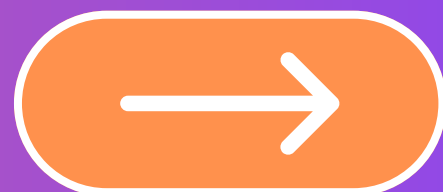
React.js

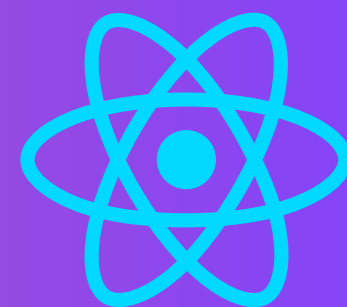
VS

Next.js



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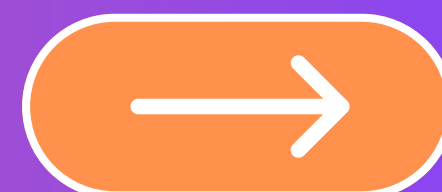
Routing

React js

React does not come with a built-in routing solution. Instead, you typically use libraries like React Router to handle routing in React applications.

Next js

Next.js features a built-in file-based routing system that automatically generates routes according to the file structure in the pages directory.



Rendering Methods

React js

- ✓ **Client-Side Rendering (CSR):** Content is rendered in the browser after the initial page load. Fast navigation but slower initial load and less SEO-friendly
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Next js

- ✓ **Server-Side Rendering (SSR):** Pages are rendered on the server for each request. Faster initial load and better SEO.
- ✓ **Static Site Generation (SSG):** Pages are pre-rendered at build time, offering fast load times and strong SEO.
- ✓ **Incremental Static Regeneration (ISR):** Updates static pages in the background after the build. Combines speed with fresh content.
- ✓ **Client-Side Rendering (CSR):** Similar to React, for highly interactive, non-SEO-critical pages.



Purpose and Scope

React js

- ✓ **Purpose:** A library for building user interfaces, particularly for single-page applications (SPAs).
- ✓ **Scope:** Focuses on component-based architecture and client-side rendering. Requires additional libraries for routing, state management, and SSR.

Next js

- ✓ **Purpose :** A framework built on top of React for developing production-ready applications with built-in performance and SEO optimizations.
- ✓ **Scope :** Provides file-based routing, SSR, SSG, and API routes out of the box, offering a complete solution for both static and dynamic web applications.



API Routes

React js

- ✓ **External APIs** : React does not handle backend logic or APIs directly. You need to set up a separate backend server.

Next js

- ✓ **Built-in API Routes** : Allows you to create API routes within the same project, providing a simple way to handle server-side logic and endpoints



Deployment

React js

- ✓ **External APIs :**

Static Files: Typically results in a bundle of static files that can be served by any static file server

Next js

- ✓ **Versatile Deployment:** Can be deployed as a static site , on serverless platforms , or traditional server environments
- ✓ **Vercel:** Officially supported by Vercel for deployment, Providing seamless integration and additional features.





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Thank You for your time !
Keep **coding** , keep **growing**

