API Integration & Authentication

Khac Vy
@trankhac_vy
vincenzo@d.foundation

Agenda

1. Fetching with Fetch API

2. Data fetching in Nextjs

3. swr

4. Authentication

DWARVES FOUNDATION

Using Javascript API to fetch data

- Page updates are a lot quicker and you don't have to wait for the page to refresh, meaning that the site feels faster and more responsive.

- Less data is downloaded on each update, meaning less wasted bandwidth. This may not be such a big issue on a desktop on a broadband connection, but it's a major issue on mobile devices and in countries that don't have ubiquitous fast internet service.

Fetch API

- The Fetch API provides an interface for fetching resources (including across the network).

- It simplifies the process of making HTTP requests, providing a more powerful and flexible alternative to older methods like XMLHttpRequest.

- Fetch API is Promise-based, making it ideal for handling asynchronous operations in a more readable and organized manner.
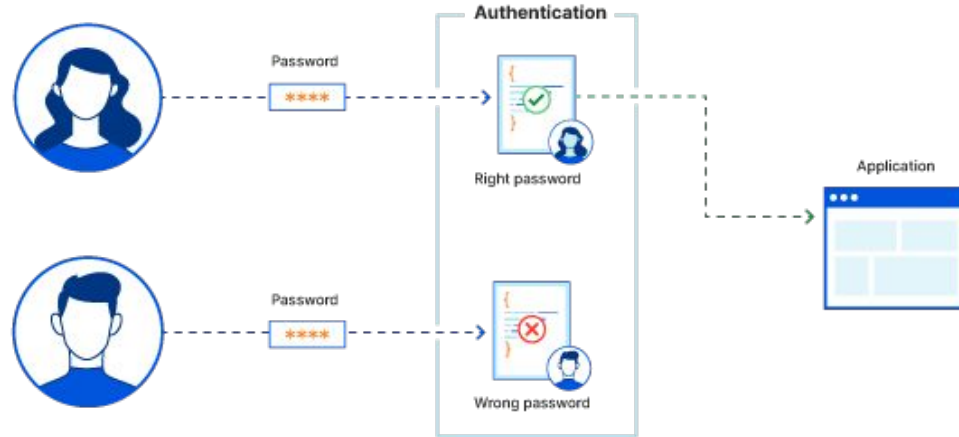
Data fetching in Nextjs

- getStaticProps

- getStaticPaths

- getServerSideProps

- Incremental Static Regeneration

- Client-side Fetching

swr

- Fast, lightweight and reusable data fetching

- Built-in cache and request deduplication

- Real-time experience

- Transport and protocol agnostic

- SSR / ISR / SSG support

- TypeScript ready

- React Native

DWARVES
FOUNDATION

Authentication

- Authentication is the process of verifying someone's or something's identity.

References

- https://developer.mozilla.org/en-US/docs/Web/API/Fetch_API
- https://nextjs.org/docs/pages/building-your-application/data-fetching
- https://nextjs.org/docs/app/building-your-application/data-fetching
- https://swr.vercel.app/
- https://www.cloudflare.com/en-gb/learning/access-management/what-is-authentication/

DWARVES
FOUNDATION

Thank You

DWARVES FOUNDATION

Q&A