



Nuxt Fundamentals

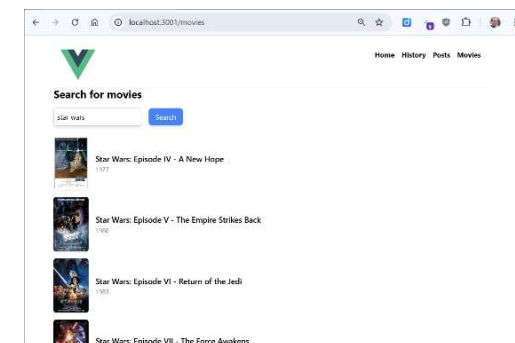
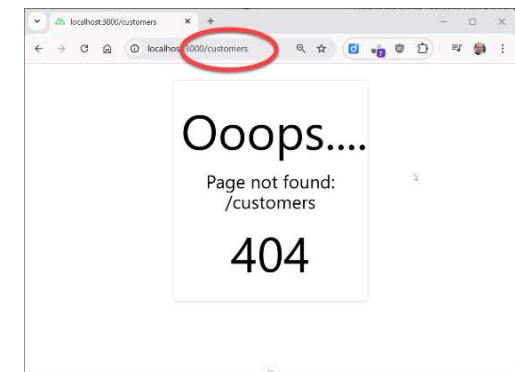
Short recap day #2

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Last week, day #2



- Promises and/or `async/await`
 - Personal preference – ‘syntactic sugar’
- Creating Custom Error Pages
 - 404-pages,
 - handling fetch-errors
- Creating your own composables
 - Usage with Composition API
 - `export function xyz(...), return object { ... }`
- SEO best practices, `useHead()`, `useSeoMeta()`
- Creating & using server routes



Backgrounds on fetching data over HTTP

*"In a Nuxt 3 application using the **Composition API**, you have **three** primary options for making HTTP requests: `fetch()`, `useFetch()`, and `$fetch`."*



1. Native `fetch()`

What is it?

- The **standard browser API** (`window.fetch`).
- Returns a `Promise` resolving to a `Response` object.
- Needs **manual parsing** (`.json()`, `.text()`, etc.).
- Does **not automatically handle SSR**.

When to use it

- When you want **low-level control** over request handling.
- If you're writing **pure client-side logic** (not SSR-friendly).
- When you need to **manipulate request headers** manually.

Example

```
const response = await fetch('/api/data')
const data = await response.json()
```

2. Vue useFetch()



What is it?

- A **Nuxt-specific composable** wrapper around `$fetch`.
- Works both on **server and client** (handles SSR automatically).
- Automatically **reactive** (uses Vue's `ref()` under the hood).
- Supports caching, deferred execution, and lazy fetching.

When to use it

- Default choice for **fetching data in components**.
- When you need **reactivity**.
- For handling **SSR seamlessly** (hydrates data server-side).
- When you want **better DX** (automatic JSON parsing, TypeScript support, caching).

Example

```
const { data, pending, error, refresh } = useFetch('/api/data')
```

3. \$fetch()



What is it?

- A **Nuxt-enhanced alternative** to `fetch()`.
- **Automatically** parses JSON (no need for `.json()` calls).
- Works both on **client and server**.
- Supports **global interceptors** (e.g., for auth tokens).
- Can be used inside **API routes**.

When to use it

- When you need **simpler syntax** than `fetch()`.
- When writing **server-side API calls** (`server/api` files).
- When making **non-reactive requests** (inside methods, Vue lifecycle hooks, or stores)..

Example

```
const data = await $fetch('/api/data')
```

Comparison table

Feature	fetch()	useFetch()	\$fetch()
Built into Browser	✓	✗ (Nuxt wrapper)	✗ (Nuxt wrapper)
Works in SSR	✗	✓	✓
Automatic JSON Parsing	✗	✓	✓
Reactive (<code>ref()</code>)	✗	✓	✗
Global Interceptors	✗	✗	✓
Use in Server API Routes	✗	✗	✓

When to use which one?

Scenario	Best Choice
Fetching data in a component with SSR support	<code>useFetch()</code>
Fetching data in a Vuex/Pinia store or method	<code>\$fetch()</code>
Making a simple request inside a <code>setup()</code> function	<code>\$fetch()</code>
Fetching data in an API route (<code>server/api</code>)	<code>\$fetch()</code>
Making a client-only fetch request	<code>fetch()</code>

Verdict:



- Use `useFetch()` by default in components.
- Use `$fetch()` when writing server logic (API routes) or non-reactive requests.
- Use `fetch()` only if you need full control or for purely client-side requests.



Questions?

Today, day #3



- Unit testing with Vitest
- Vue Test Utils
- Nuxt Test Utils
- Writing your own tests
- Workshops
- Evals + Goodbye



Evals



"Er zijn geen algemene evaluatieformulieren. Wij bellen na afloop van de training met de contactpersoon om te horen hoe het is gegaan."

If you liked it, endorse

The screenshot shows a LinkedIn profile page. The top navigation bar includes the LinkedIn logo, a search bar, and icons for Home, My Network (with a red notification badge), Jobs, Messaging, Notifications, Me, and Work. The main content area on the left shows a section for education with the text 'duursporten (lopen, zwemmen, fietsen, roeien, schaatsen). Laatste jaar in combinatie met studie Bewegingswetenschappen, Rijksuniversiteit Groningen (RUG).'. Below this is a blue button labeled 'Add new profile section'. The 'Featured Skills & Endorsements' section is highlighted with a red oval. It lists three skills: 'Teaching' (3 endorsements from 'Youri Pattynama and 2 connections'), 'TypeScript' (3 endorsements from 'Youri Pattynama and 2 connections'), and 'Angular' (2 endorsements from 'Momen El Kamri and 1 connection'). A link 'See 26 more skills' is at the bottom of this section. Below the skills section is a 'Recommendations' section with a link 'Ask to be recommended'. On the right side, there is a 'Messaging' button with a green dot and a settings icon.

LinkedIn profile page showing the 'Featured Skills & Endorsements' section circled in red.

The profile includes a search bar, navigation icons (Home, My Network, Jobs, Messaging, Notifications, Me, Work), and a 'Try Premium for Free' button.

The main content area displays a section for education (duursporten) and a blue button labeled 'Add new profile section'.

The 'Featured Skills & Endorsements' section lists three skills:

- Teaching · 3: Youri Pattynama and 2 connections have given endorsements for this skill
- TypeScript · 3: Youri Pattynama and 2 connections have given endorsements for this skill
- Angular · 2: Momen El Kamri and 1 connection have given endorsements for this skill

A link 'See 26 more skills' is visible below the skills list.

The bottom section shows 'Recommendations' and a link 'Ask to be recommended'.

On the right side, there is a 'Messaging' button with a green dot and a settings icon.

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IT & TECH

[bekijk trainingen](#)



BUSINESS

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OVER EDUVISION

Op zoek naar de beste opleidingsorganisatie?

Eduvision:

- ✓ Chat aan kennis
- ✓ vindt het leuk die te delen
- ✓ werkt met bevlogen trainers
- ✓ denkt constructief met je mee
- ✓ levert maatwerk waar nodig
- ✓ is pas tevreden als jij dat bent

[Lees meer](#)

HARDLOPERS IT & TECH

- » Data Fact
- » Data Management
- » Actiefactory
- » CISSP Security
- » Analyse
- » React.js
- » Kibana
- » React Native
- » Docker Enterprise
- » Testautomatisering

HARDLOPERS BUSINESS

- » ElasticSearch Fundamentals
- » Kubernetes
- » Networking Fundamentals
- » SQL
- » Angular
- » Tableau

BEOORDELINGEN ★★★★★

[Bekijk alle beoordelingen](#)

"Vanuit Ordina hebben we een CISM training gevolgd bij Eduvision. Dit heb ik als erg positief ervaren. Ervaren

"Vanuit de Politie hebben we een training gehad bij Eduvision. Dat was werkelijk fantastisch. Prachtige

"We zijn erg tevreden over de in-company training Webinar Organiseren van Eduvision. De