

Nuxt Fundamentals Modules

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Nuxt Modules

Using Nuxt team- and Community-modules to supercharge your project




What are Nuxt Modules?

- Remember, Vue + Nuxt is **just JavaScript**
- So, you *can* write all functionality **yourself**
- But this is **tedious**, **time consuming** and **error prone**
- Why not **benefit** from the work of others?
- Therefore Team Nuxt + Community members have created ***Modules***.
- They are **ready-made packages** to enhance the capabilities of your app

<https://nuxt.com/modules>



 **Nuxt** v3.15

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🔍 ☀️ 👤 55.7K

Nuxt Modules

Discover our list of modules to supercharge your Nuxt project. Created by the Nuxt team and community.

👤 203 Maintainers 🧑 629 Contributors 📦 252 Modules


Create a Nuxt moduleList a module

/

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Categories

- Analytics
- CMS
- CSS
- Database
- Devtools
- Ecommerce
- Extensions
- Fonts
- Images
- Libraries

 Sponsor


@nuxtjs/kinde
Kinde authentication integration for Nuxt

📦 1.9K ⭐ 73 >_

 Sponsor


@logto/nuxt
The better Nuxt auth module for developers.

📦 640 ⭐ 74 >_

 Official


@nuxt/devtools
Unleash Nuxt Developer Experience. A set of visual tools that help you to kno...

📦 1.6M ⭐ 3K >_

 Official


@nuxt/image
Optimised images for Nuxt, with progressive processing, lazy-loading,...

📦 491.7K ⭐ 1.4K >_

 Official

@nuxt/test-utils
Test utilities for Nuxt

📦 485.7K ⭐ 335 >_

 Official

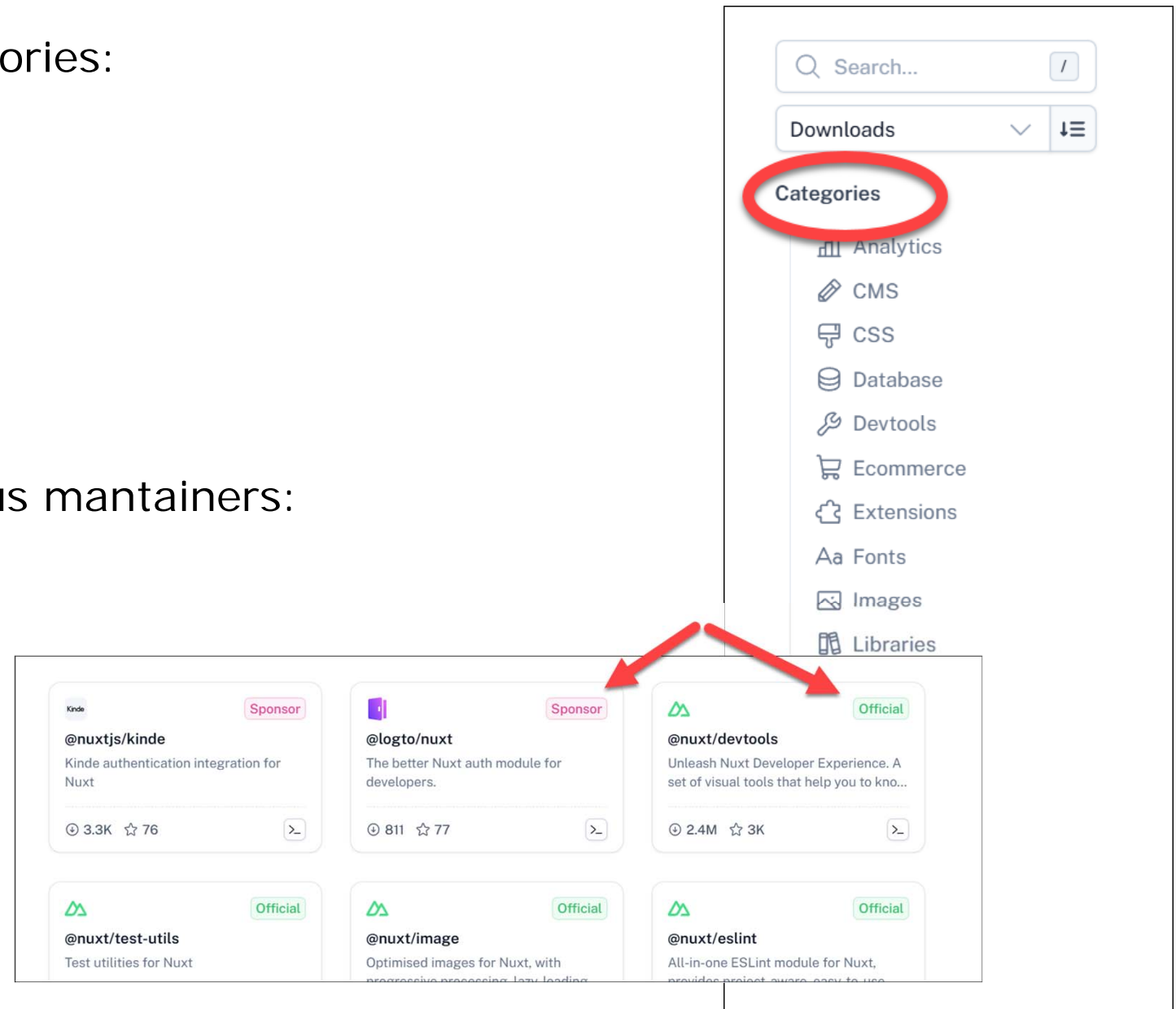
@nuxt/eslint
All-in-one ESLint module for Nuxt, provides project-aware, easy-to-use,...

📦 369.8K ⭐ 567 >_

Discovering modules



- Look at the categories:
 - Analytics,
 - CMS,
 - CSS,
 - Database
 - Etc, etc.
- Created by various mantainers:
 - Official
 - Sponsor
 - Community



Adding Modules

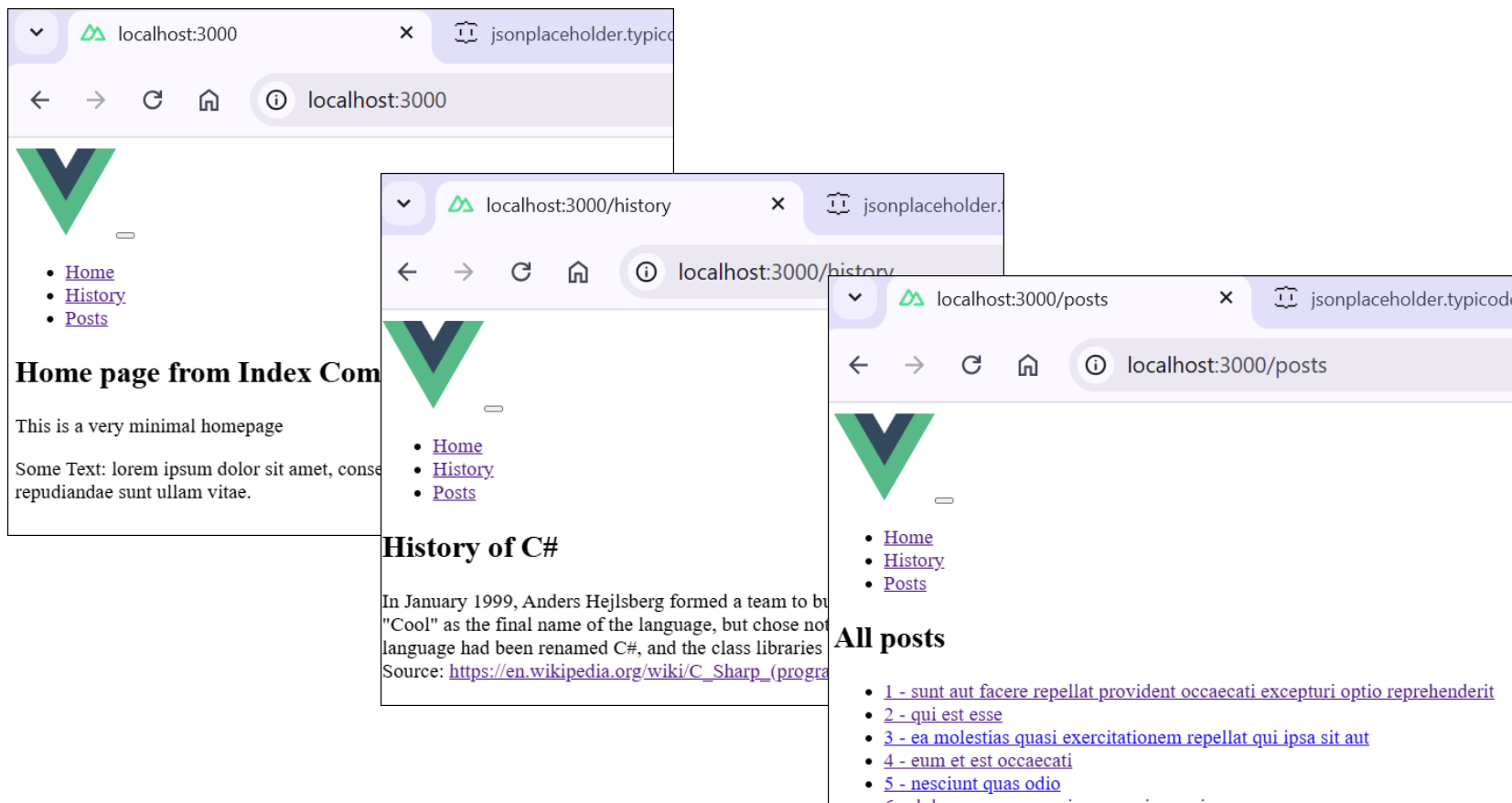


- Process is (more or less) the same for all modules:
- 1. [Find module](#) on `nuxt.com/modules`
- 2. Read [documentation](#)
- 3. [Add module](#) using `npm` or `yarn`
- 4. [Configure module if necessary](#) to use it
 - For instance: API keys, setting default values, and so on.
 - Often times you have to set up some stuff in `nuxt.config.ts`
- A lot of times installation/configuration happens [automagically](#).
- 5. Refer to [specific documentation of module](#) for further steps.

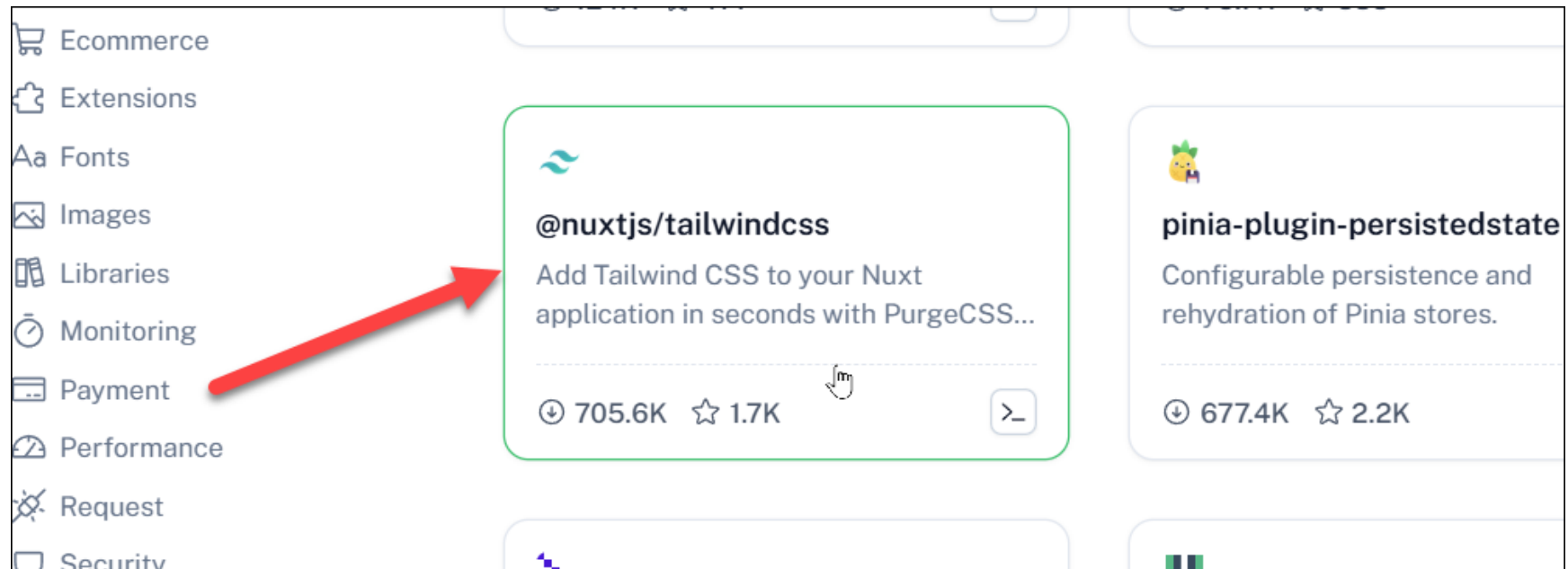
Example: Adding Tailwind module



- Let's say we *don't want to use Bootstrap*, but **Tailwind CSS** instead for an unstyled application
- Without any styling, app may look like:




Step 1 – find Tailwind CSS Module



Step 2 – read documentation




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🔍 ⚙️ 🔄 55.7K


Modules > CSS > @nuxtjs/tailwindcss

 **@nuxtjs/tailwindcss**

Add Tailwind CSS to your Nuxt application in seconds with PurgeCSS included for minimal CSS.

📦 705.6K downloads • ⭐ 1.7K stars • 📦 v6.12.2

 Atinux •  ineshbose



Nuxt Tailwind

Quick and easy setup of Tailwind CSS in your Nuxt application.

Nuxt Tailwind

npm@latest v6.13.1 downloads 816k/month license MIT Nuxt tailwindcss Open board

Enable Tailwind CSS for Nuxt ⚡

[Documentation](#) | [Play online](#) | [Release Notes](#)

Links


[Documentation](#)


[nuxt-modules/tailwindcss](#)


[@nuxtjs/tailwindcss](#)

[Learn more](#)

Contributors (0)





 **NuxtUI Pro**

Premium Vue Components for Nuxt applications.

<https://nuxt.com/modules/tailwindcss>



Step 3 – add module

- In our example: `npx nuxi@latest module add tailwindcss`

```
i Installing @nuxtjs/tailwindcss@6.13.1 as a dependency
```

```
added 111 packages, and audited 784 packages in 5s
```

```
148 packages are looking for funding
```

```
run `npm fund` for details
```

```
found 0 vulnerabilities
```

```
i Adding @nuxtjs/tailwindcss to the modules
```

```
i Using default Tailwind CSS file
```

```
✓ Types generated in .nuxt
```

```
PS C:\Users\Gebruiker\Desktop\nuxt-project>
```

Step 4 – configure Module



- The installation script has configured the module for us in the background
 - Previously we had to do this manually – if possible at all!
- Sometimes you (still) need to manually update `nuxt.config.ts`.

```
export default defineNuxtConfig({
  compatibilityDate: '2024-11-01',
  devtools: {enabled: true},

  css: [
    '@/assets/css/globals.css'
  ],

  modules: ['@nuxtjs/tailwindcss']
})
```

Updated `package.json`

```
"dependencies": {
  "@nuxtjs/tailwindcss": "^6.13.1",
  ...
}
```



Step 5 – apply specific classes

- Without further configuration, we can now use tailwind classes
- Refer to Tailwind CSS documentation for further info

The image shows a composite of three screenshots. On the left is the Nuxt.js Tailwind CSS module page, with the title 'Tailwind CSS for your Nuxt Apps.' circled in red. In the center is a code editor showing the installation command `npx nuxt module add tailwindcss` and the configuration in `nuxt.config`. On the right is the Tailwind CSS website, featuring the headline 'Rapidly build modern websites without ever leaving your HTML.' and a list of utility classes like `flex`, `pt-4`, `text-center`, and `rotate-90`.

<https://tailwindcss.nuxtjs.org/>

Update styling in components



```
pages\index.vue  JS  tailwind_config.js  history.vue  default.vue  MainNavigation.vue x
1  <template> Show component usages
2  <header class="shadow-sm bg-white">
3    <!-- Main navigation -->
4    <nav class="container mx-auto flex justify-between p-4">
5      <nuxt-link to="/">
6        
7      </nuxt-link>
8
9    <ul class="flex gap-4">
10     <li>
11       <nuxt-link
```

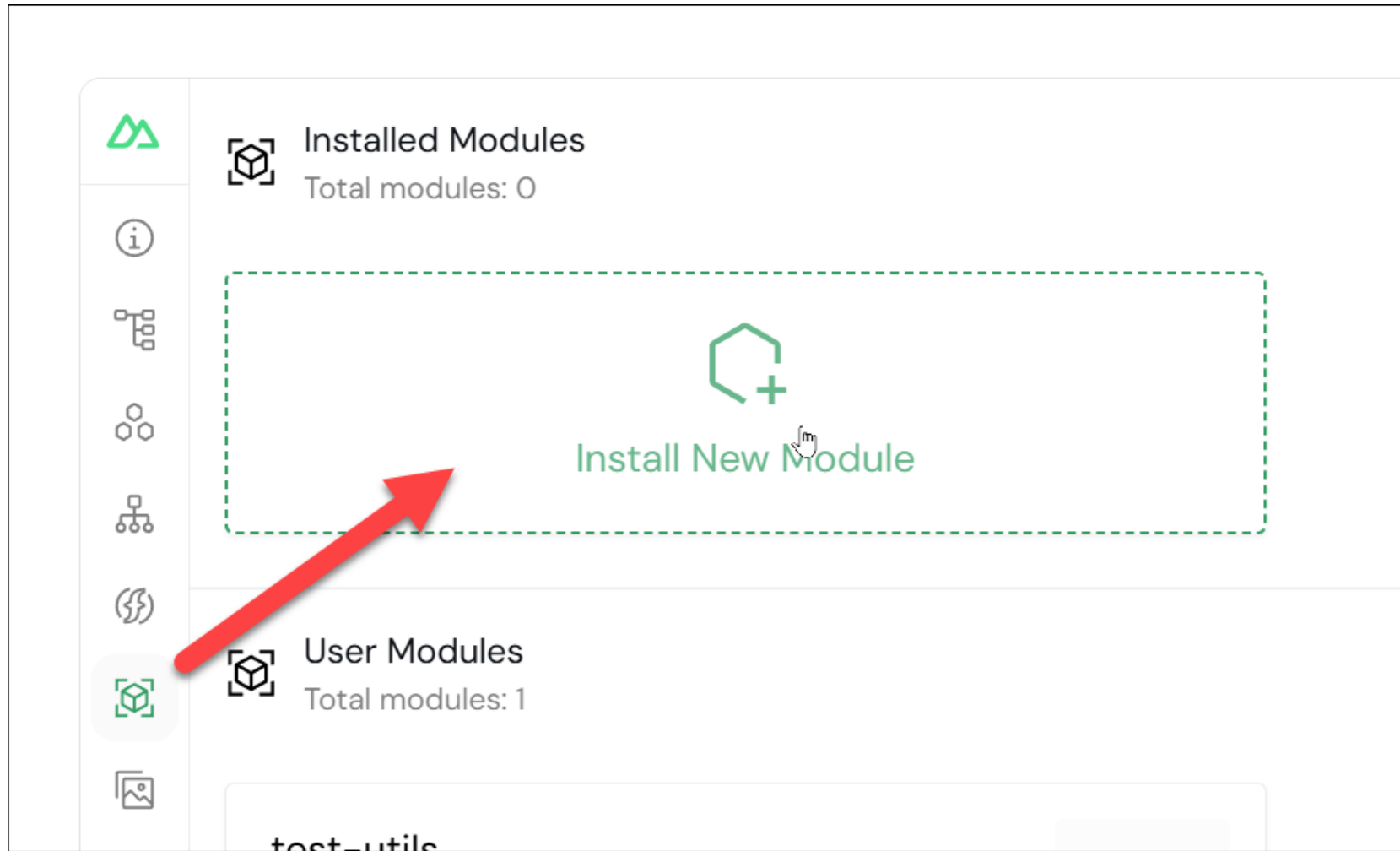
```
pages\index.vue  JS  tailwind_config.js  history.vue x  default.vue  Ma
1  <template> Show component usages
2  <h2 class="text-2xl font-bold">History of C#</h2>
3  <div class="text-base">
4    In January 1999, Anders Hejlsberg formed a team to bu
5    "C-like Object Oriented Language".[24] Microsoft had
6    language, but chose not to do so for trademark reason
7    July 2000 Professional Developers Conference, the 1st
```

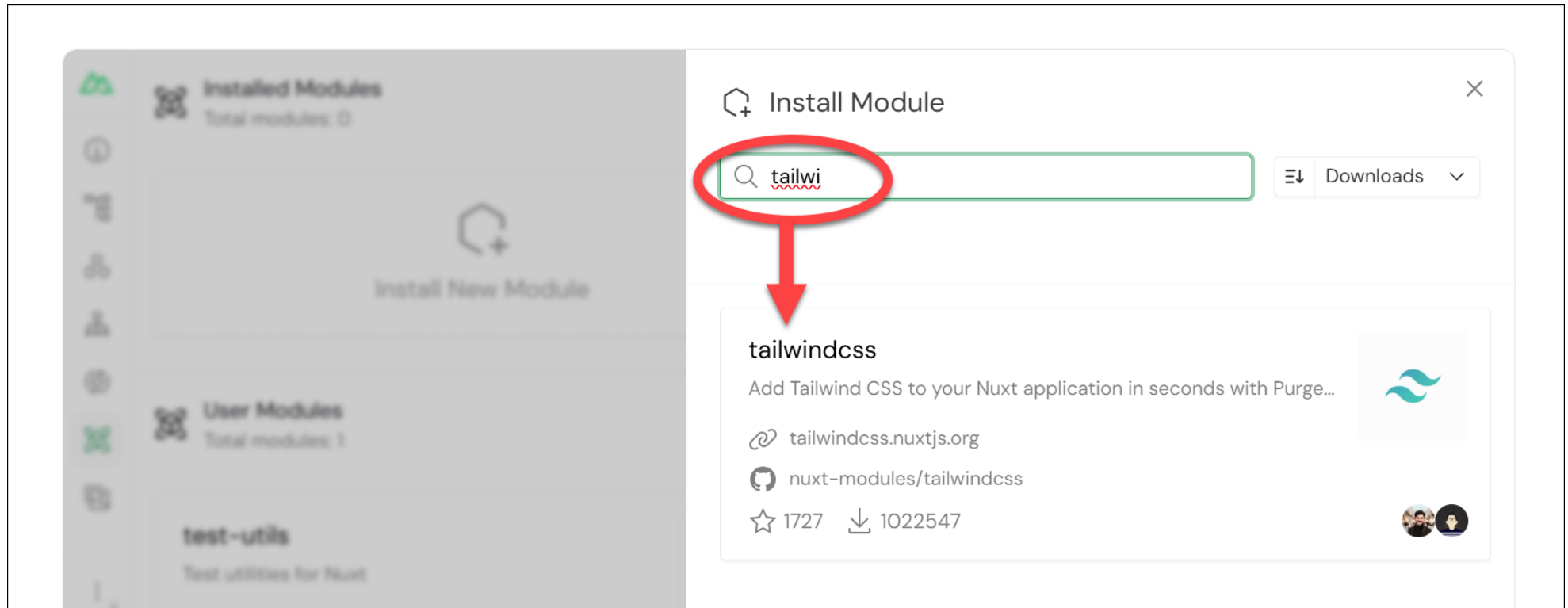
Apply Tailwind CSS
Classes as you are
used to

<https://tailwindcss.com/docs/styling-with-utility-classes>

Alternative: Nuxt DevTools

Alternative: add module via Nuxt DevTools





1. Search for module, click `Install` to **automatically install and configure** the module with the defaults.
2. Sometimes you STILL have to put in some **personal information** (like API keys) or update the configuration, but IF the module is available, it is generally faster.

Example – adding Tailwind CSS to project

Install tailwindcss?

The following command will be executed in your terminal:

```
npm install @nuxtjs/tailwindcss@latest -D --ignore-scripts
```

Then your Nuxt config will be updated as:

```
1 // https://nuxt.com/docs/api/configuration/nuxt-config
2 export default defineNuxtConfig({
3   compatibilityDate: '2024-11-01',
4   devtools: { enabled: true },
5   modules: ['@nuxt/test-utils/module'],
6   modules: ['@nuxt/test-utils/module', '@nuxtjs/tailwindcss'],
7 })
```

After that, Nuxt will **restart automatically**.

 Please make sure to backup your project first.

Cancel

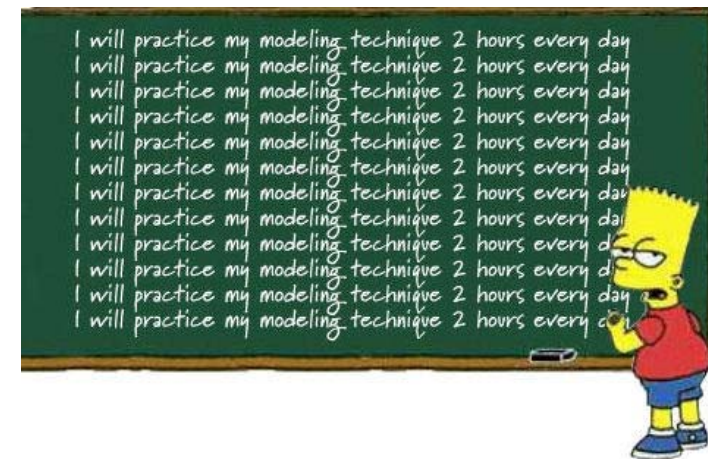
Install



Workshop



- 1. Add the module Nuxt Google Fonts to your projects
 - Or use `./examples/140-nuxt-modules` as a starting point
- Set a font of your liking as the base font
- 2. Pick one of the other available modules, install it in your project and use it.
 - Show it to a coworker
 - Also study other available modules
- <https://nuxt.com/modules>



Checkpoint



- You know what **Nuxt Modules** are and are able to identify them in your project
- You can install and use the **Nuxt Tailwind CSS** Module
- You have experimented with adding **other modules**.