





Creating navigation

Global Navigation Bars and/or Main Menu for your site

Creating global navigation

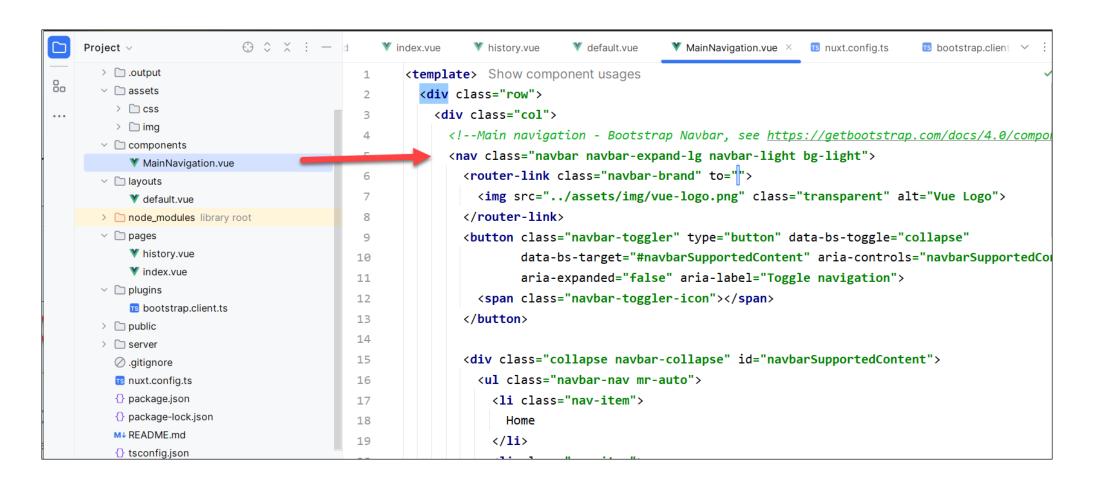


- Drop global navigation in your index.vue or a layout file
- Best practices:
 - Create a separate component for navigation, to keep files clean and simple
 - Name a global component something like TheNavigation.vue,
 MainNavigation.vue or MainSidebar.vue
- Add your global navigation to ./pages/index.vue, or layouts/default.vue
 - For instance like:

MainNavigation.vue



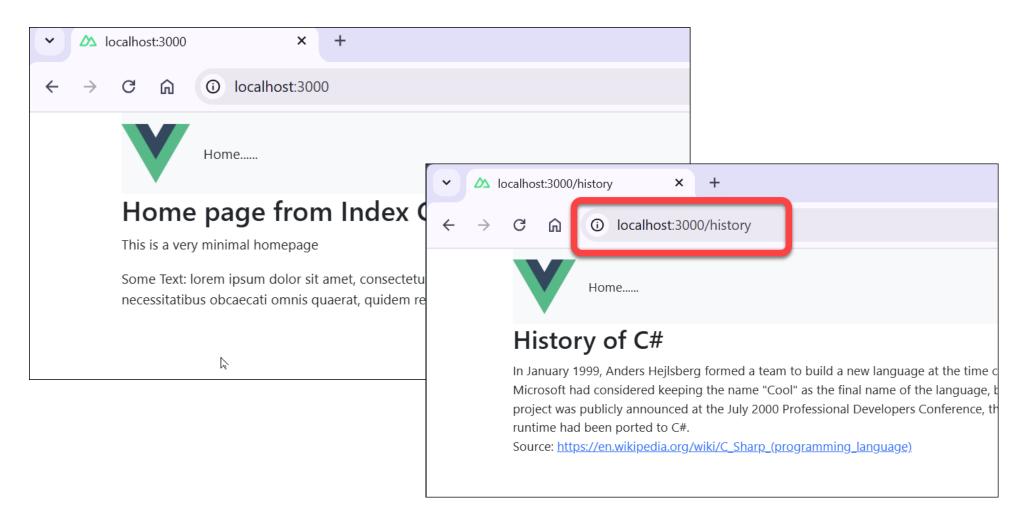
Contains – in this example – a default Bootstrap Navigation Bar



Browser



- This works, but no global navigation yet (= no links)
- Links are activated/filled in next...







Linking between pages

Using the <nuxt-link> element

Linking between pages



- In nuxt, you create links between pages using the <nuxtlink> element
 - They will be compiled to <a href> links.
- It looks like the standard <router-link> of Vue.
- If you use regular tags yourself, the page will refresh!
 - It reloads the complete application, not what you want!

Using <nuxt-link>



```
          <NuxtLink class="nav-link" to="/">Home</NuxtLink>

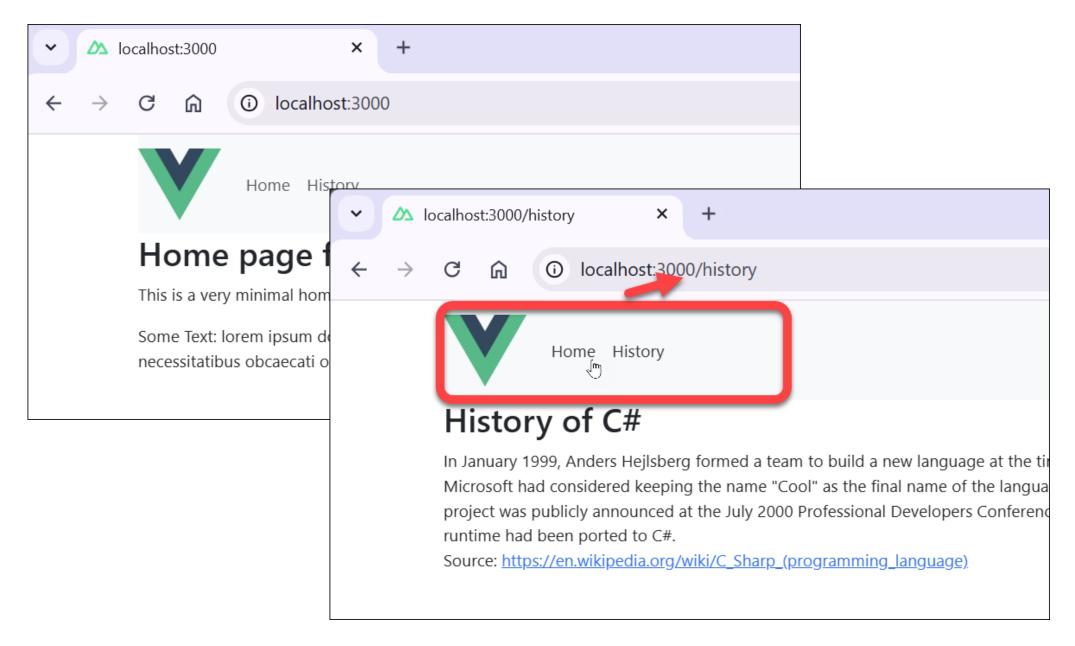
          cli class="nav-item">
                <nuxt-link class="nav-link" to="/history">History</nuxt-link>
```

We can use both <NuxtLink> and <nuxt-link>

syntax (as with all Vue components)

Browser





Workshop

- Create a Main Navigation system for your app
- It can be a main menu header, sidebar or whatever.
- Be sure to create a component of it, and use it in layouts/default.vue or in your index.vue page
- Add links to the main navigation of your app
 - Use <NuxtLink> component for that no need to import
- Test in the browser if they work
- Example: ../examples/120-basic-navigation

```
I will practice my modeling technique 2 hours every day I will practice my modeling technique 2 hours every day I will practice my modeling technique 2 hours every day I will practice my modeling technique 2 hours every day I will practice my modeling technique 2 hours every day I will practice my modeling technique 2 hours every day I will practice my modeling technique 2 hours every day I will practice my modeling technique 2 hours every day I will practice my modeling technique 2 hours every day I will practice my modeling technique 2 hours every day I will practice my modeling technique 2 hours every day I will practice my modeling technique 2 hours every day I will practice my modeling technique 2 hours every day
```





Dynamic routing and route parameters

Sending parameters in your route

Dynamic Routing



You create a dynamic route by using the filename in square brackets

- First, create a component <PostList/>, containing an overview of some dummy posts
- https://jsonplaceholder.typicode.com/posts
- For details, create for instance a ./posts/[id].vue file

Dynamic Routing, ./posts/index.vue/



Fetching dummy data from a backend, using fetch()

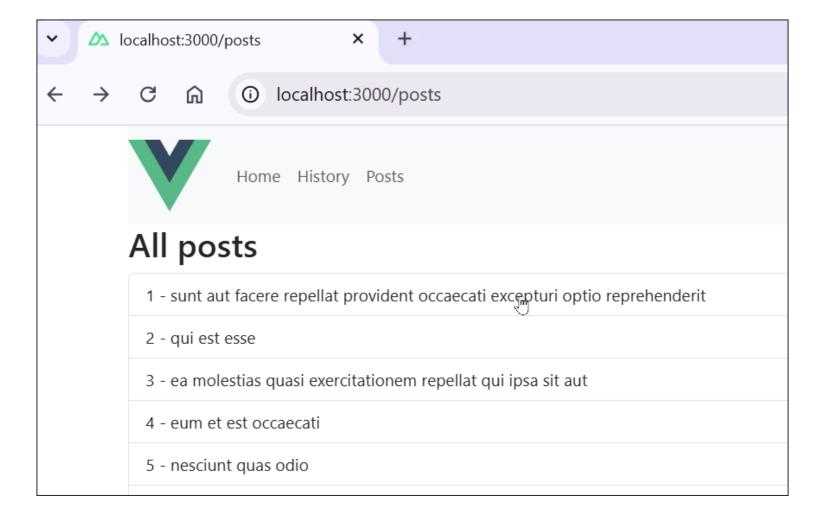
```
// URL to fetch data from.
const url = 'https://jsonplaceholder.typicode.com/posts';

// Reactive variables
const posts = ref<Post[]>([]); // store the posts

// Fetch posts when the component mounts
const fetchPosts = async () => {
   const response = await fetch(url);
   if (!response.ok) {
      throw new Error(`Error : ${response.statusText}`);
   }
   posts.value = await response.json();
};
```

Dynamic Routing





Dynamic Routing, details in [id].vue

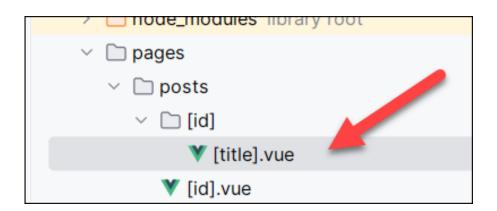


Now, create a directory with a dynamic file

```
<template>
  <h2>Post number : {{ id }}</h2>
  v-if="!isLoading && post" class="list-group">
    class="list-group-i+---"
                               <script setup lang="ts">
      {{ post.id }}
                               import type {Post} from "~/types/Post";
    const route = useRoute()
  const id = route.params.id
</template>
                               // URL to fetch data from.
                               const postDetail = `https://jsonplaceholder.typicode.com/posts/${id}`;
                               // Reactive variables
                               const post = ref<Post | null>(null); // store the post
                               // Fetch posts when the component mounts
                               const fetchPost = async () => {
                                 try {
                                   const response = await fetch(postDetail);
                                   post.value = await response.json();
                               onMounted(fetchPost);
                               </script>
```

Multiple parameters?

- Sometimes you want to send multiple parameters in a URL
 - Like http:.../posts/1/title, where 1 and title are the dynamic parameters.
- Solution: create a directory structure that matches the parameters.
 - Your route can be like: /posts/:id/:title
 - Then your folder structure must be like:



Also: make sure to correctly encode/decode possible special characters in the url:

```
<nuxt-link :to="`/posts/${post.id}/${encodeURIComponent(post.title)}`" ...>
const postTitle = decodeURIComponent(route.params.title);
```

Workshop

- Add dynamic links to the Nuxt application
- You can use the address <u>jsonplaceholder.typicode.com/posts</u>
 for some random data (or /users for dummy user data)
- Or maybe you have your own RESTful API.
- Test in the browser if they work
- Example .../130-navigation-parameters

```
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I will practice my modeling technique 2 hours every day
```

Checkpoint

- You know that the router is automatically bundled and configured once you add a ./pages directory in your Nuxt-app.
- All pages in the directory become a route in your application
- Subdirectories like ./pages/myDir are subfolders on your route.
- You can create dynamic routes using [param].vue as the filename.
- Create a directory structure if you need multiple params.