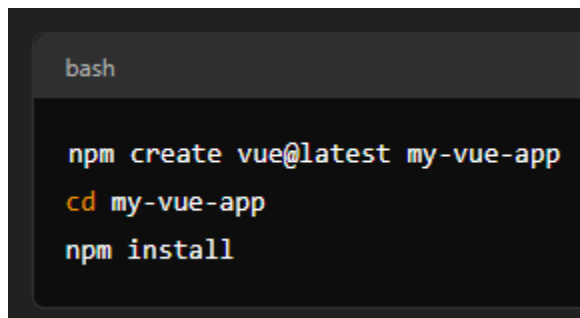


# Router.

## Step 1: Create a Vue Project

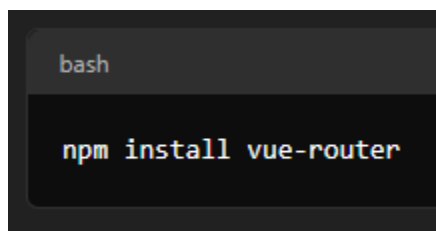
If you haven't already, create a new Vue 3 project using Vue CLI or Vite. Here, we'll use Vue CLI:

A terminal window with a dark background. The prompt 'bash' is visible at the top. Below it, three lines of code are entered: 'npm create vue@latest my-vue-app', 'cd my-vue-app', and 'npm install'.

```
bash  
  
npm create vue@latest my-vue-app  
cd my-vue-app  
npm install
```

## Step 2: Install Vue Router

Install Vue Router in your project:

A terminal window with a dark background. The prompt 'bash' is visible at the top. Below it, one line of code is entered: 'npm install vue-router'.

```
bash  
  
npm install vue-router
```

## Step 3: Create Vue Router Configuration

Create a `router` directory inside the `src` directory and then create an `index.js` file inside the `router` directory.

```
bash
```

```
mkdir src/router  
touch src/router/index.js
```

## Step 4: Define Routes

In `src/router/index.js`, set up the basic routes for your application:

```
// src/router/index.js  
import { createRouter, createWebHistory } from 'vue-router';  
import Home from '../views/Home.vue';  
import About from '../views/About.vue';  
  
const routes = [  
  { path: '/', component: Home },  
  { path: '/about', component: About },  
];  
  
const router = createRouter({  
  history: createWebHistory(),  
  routes,  
});  
  
export default router;
```

## Step 5: Create Views

Create two view components `Home.vue` and `About.vue` inside the `src/views` directory:

```
bash

mkdir src/views
touch src/views/Home.vue src/views/About.vue
```

Add some simple content to these components:

<pre>&lt;!-- src/views/Home.vue --&gt; &lt;template&gt;   &lt;div&gt;     &lt;h1&gt;Home Page&lt;/h1&gt;     &lt;p&gt;Welcome to the Home page!&lt;/p&gt;   &lt;/div&gt; &lt;/template&gt;  &lt;script&gt; export default {   name: 'Home', }; &lt;/script&gt;</pre>	<pre>&lt;!-- src/views/About.vue --&gt; &lt;template&gt;   &lt;div&gt;     &lt;h1&gt;About Page&lt;/h1&gt;     &lt;p&gt;This is the About page.&lt;/p&gt;   &lt;/div&gt; &lt;/template&gt;  &lt;script&gt; export default {   name: 'About', }; &lt;/script&gt;</pre>
--	---

## Step 6: Configure Vue Router in the Main App

Import the router in your main app file and configure it:

```
// src/main.js
import { createApp } from 'vue';
import App from './App.vue';
import router from './router';

createApp(App)
  .use(router)
  .mount('#app');
```

## Step 7: Add Navigation Links

Update your `App.vue` to include navigation links to your routes:

```
<!-- src/App.vue -->
<template>
  <div id="app">
    <nav>
      <router-link to="/">Home</router-link>
      <router-link to="/about">About</router-link>
    </nav>
    <router-view></router-view>
  </div>
</template>
```

```
<script>
export default {
  name: 'App',
};
</script>

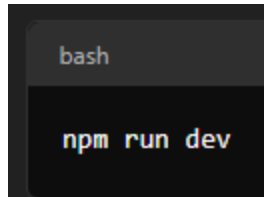
<style>
nav {
  padding: 1em;
}

nav a {
  margin: 0 10px;
  text-decoration: none;
  color: #42b983;
}

nav a.router-link-active {
  font-weight: bold;
}
</style>
```

## Step 8: Run Your Application

Run your Vue application:

A terminal window with a dark background. The first line shows the prompt 'bash' in a light gray font. The second line shows the command 'npm run dev' in a light gray font, with 'npm' in blue, 'run' in green, and 'dev' in red.

Navigate to <http://localhost:3000> (or the port shown in your terminal). You should see the Home page. Click on the "About" link to navigate to the About page.

That's it! You've set up a basic Vue Router configuration with two routes. You can now expand on this by adding more routes, nested routes, route guards, and other advanced features provided by Vue Router.