Vue3 + Element-UI

Resources

Vue 3: [Vue3 (vue3js.cn)](#)

安装：https://v3.cn.vuejs.org/guide/installation.html#vite

Vuetify 样式库：https://vuetifyjs.com/zh-Hans/components/tooltips/

Element UI：https://element-plus.org/zh-CN/guide/quickstart.html#%E5%AE%8C%E6%95%B4%E5%BC%95%E5%85%A5

Version

- npm = 8.13.2
- @vue/cli = 5.0.6
- node = v16.15.1
- yarn = 3.3.0

I. Init a project

> 前提条件
>
> - 熟悉命令行
> - 已安装 16.0 或更高版本的 [Node.js](#)

1.1 创建Vue3项目

根据[文档](#)，创建vue3项目。

1. 安装并执行 `create-vue`：`npm init vue@latest`
2. 配置项目信息

```
√ Project name: ... scorecard_vue
√ Add TypeScript? ... No / Yes
√ Add JSX Support? ... No / Yes
√ Add Vue Router for Single Page Application development? ... No / Yes
√ Add Pinia for state management? ... No / Yes
√ Add Vitest for Unit Testing? ... No / Yes
√ Add an End-to-End Testing Solution? » No
√ Add ESLint for code quality? ... No / Yes
√ Add Prettier for code formatting? ... No / Yes
```

3. 进入并开启vue项目

```
# npm 7+，需要加上额外的双短横线
$ cd <project-name>
$ npm install
$ npm run lint  # 修复错误配置
$ npm run dev
$ npm install -g sass # 安装sass （css工具）
```

1.2 Install Element Framework

1.2.1 Install Vuetify3 (后来没有使用，可以跳过)

> vuetify3支持vue3, 具体方式可参考：link. 本例采用yarn的安装方式。

Run cmd as administrator.

1. Install Corepack :

```
corepack enable
```

2. Updating the global Yarn version

   Take a look at the latest Yarn release, note the version number, and run:

```
yarn set version stable
```

   如果遇到如下问题，手动更改文件名和对应路径。即可解决。

```
Internal Error: EPERM: operation not permitted, rename 'C:\Users\I528407\.node\corepack\corepack-14988-42841774.9b5aa' -
> 'C:\Users\I528407\.node\corepack\yarn\3.3.0'
Error: EPERM: operation not permitted, rename 'C:\Users\I528407\.node\corepack\corepack-14988-42841774.9b5aa' -> 'C:\Use
rs\I528407\.node\corepack\yarn\3.3.0'
```

3. Install Vuetify3

```
yarn add vuetify@^3.0.4
```

4. Add code to `main.ts`

```ts
import { createApp } from "vue";
import App from "./App.vue";
import router from "./router";

import "./assets/main.css";

// Vuetify
import 'vuetify/styles'
import { createVuetify } from 'vuetify'
import * as components from 'vuetify/components'
import * as directives from 'vuetify/directives'

const vuetify = createVuetify({
    components,
    directives,
  })
```

```
const app = createApp(App);

app.use(vuetify);
app.use(router);

app.mount("#app");
```

1.2.2 Install Element UI 3

1. install

```
npm install element-plus --save
```

2. config `App.vue`

```
// main.ts
import { createApp } from 'vue'
import ElementPlus from 'element-plus'
import 'element-plus/dist/index.css'
import App from './App.vue'

const app = createApp(App)

app.use(ElementPlus)
app.mount('#app')
```

1.3 Install Scss

https://juejin.cn/post/7036339518051467272

1. install

```
vue add style-resources-loader
npm install node-sass sass-loader sass -D
```

2. vue.config.js 配置

```
module.exports = {
  pluginOptions: {
    'style-resources-loader': {
      preProcessor: 'scss',
      patterns: []
    }
  }
}
```

3. Use

```scss
<style lang="scss">
    .box{
        .test{
        }
    }
</style>
```

1.4 Install [font](#)

1. install font lib

```
yarn add @mdi/font -D
```

2. Add code to `main.ts`

```
import '@mdi/font/css/materialdesignicons.css' // Ensure you are using css-
loader

export default createVuetify({
  icons: {
    defaultSet: 'mdi', // This is already the default value - only for
display purposes
  },
})

import "./assets/main.css";

const vuetify = createVuetify({
    components,
    directives,
    icons: {
        defaultSet: 'mdi'
    },
})
```

3. Usage

```
    <v-icon icon="mdi-home" />
    <v-icon icon="mdi-minus" /> // This renders a MDI icon
    <v-icon icon="mdi-cake"/>
```

会显示对应的Material Design Icon 🏠 ▬

> 根据需求可配置多种icon，以及自定义icon.
>
> MDI icon list 可以参考[这里](#)

II. Config Router

配置router.ts，设置主页的路径。

```
// router.ts
import { createRouter, createWebHistory } from "vue-router";


const router = createRouter({
  history: createWebHistory(import.meta.env.BASE_URL),
  routes: [
    {
      path: "/scorecard",
      name: "home",
      component: () =>import("../components/Home.vue"),
    }
  ],
});


export default router;
```

III. Config global CSS

在assets > base.css / logo.svg / main.css 中配置全局样式。

```css
@import './base.css';

#app {
  max-width: 1600px;
  margin: 0 auto;
  /* padding: 2rem; */

  font-weight: normal;
}

a,
.green {
  text-decoration: none;
  color: hsla(160, 100%, 37%, 1);
  transition: 0.4s;
}


@media (min-width: 1024px) {          // 分情况显示界面
  body {
    display: flex;
    place-items: center;
  }

  #app {
    display: grid;
    grid-template-columns: 1fr 1fr;
    padding: 0 2rem;
  }
}
```