**Development document**

# **Preparation for project development**

## Framework and Structure

* This project uses vue3 （3.4.21）as development framework, buefy （0.9.28）as UI package, and material（7.4.47）design icons as ICON package
* This project runs on Node.JS v20.11.1
* This project is developed on Visual Studio Code v1.87.2

## Packages

{

  "name": "uniform-bi",

  "version": "0.0.0",

  "private": true,

  "type": "module",

  "scripts": {

    "dev": "vite",

    "build": "vite build",

    "preview": "vite preview",

    "lint": "eslint . --ext .vue,.js,.jsx,.cjs,.mjs --fix --ignore-path .gitignore",

    "format": "prettier --write src/"

  },

  "dependencies": {

    "@jamescoyle/vue-icon": "^0.1.2",

    "@mdi/js": "^7.4.47",

    "@ntohq/buefy-next": "^0.1.2",

    "buefy": "github:buefy/buefy#buefy-next",

    "normalize.css": "^8.0.1",

    "pinia": "^2.1.7",

    "postcss-px2rem": "^0.3.0",

    "vue": "^3.4.21",

    "vue-router": "^4.3.0"

  },

  "devDependencies": {

    "@rushstack/eslint-patch": "^1.3.3",

    "@vitejs/plugin-vue": "^5.0.4",

    "@vue/eslint-config-prettier": "^8.0.0",

    "eslint": "^8.49.0",

    "eslint-plugin-vue": "^9.17.0",

    "prettier": "^3.0.3",

    "sass": "^1.72.0",

    "vite": "^5.1.5",

    "vite-plugin-vue-devtools": "^7.0.16"

  }

}

## How to install

* Install the correct version of Node.JS (v20.11.1)
* Use git clone or directly download the source code file and unzip it
* Go to the project directory
* Make sure you have the npm package management toolkit
* Run the following command, there's no need to and please not to install the packages seperately

npm install

npm run dev

* Open the link displayed in the terminal

## Introduction to project files

* **Introduction Page**

src/views/Introduction/IntroductionPage.vue

* **Login Page**

src/views/login/loginPage.vue

* **System Page**

src/views/system/systemPage.vue

* **Router Configration**

src/router/index.js

* **State management**

src/stores/counter.js

## Project component

├── public # pure static assets (directly copied)

└── favicon.ico # favicon

├── src # main source code

│ ├── api # api service

│ ├── assets # module assets like fonts,images (processed by webpack)

│ ├── components # global components

│ ├── router # router

│ ├── store # store

│ ├── utils # global tools

│ │ ├──commonCss # global js

│ └──commonCss # global css

│ ├── views # views

│ ├── App.vue # main app component

└── main.js # app entry file

├── index.html # page entry

├── vue.config.js # vue-cli config

├── jsconfig.json # functional js config

├── package-lock.json # lock the version number of the package

└── package.json # project description file

# Project Style

## Create style

The page's style and components are the same. The global @/utils/commonCss/global.scss writes a global common style. The style of each page is written under the current views . Please remember to add scoped to avoid Causes global style pollution, and add lang=”scss” to make sure Sass runs correctly

<style>

/\* global styles \*/

</style>

<style lang=”scss” scoped>

/\* local styles \*/

.header{  
 xxx

&-xxx{

xxx

}

}

</style>

## CSS Modules

**Configure Theme Color**

In @/utils/commonCss/theme.scss file, the theme color of the project has been configured to facilitate its use in components

//主色

$primary: #d1caf2;

//辅色

$secondary: #27678C;

//次色

$tertiary: #534F67;

//成功色

$sucess: #679610;

//提示色

$warning: #F4D9B5;

//错误警告色

$danger: #EA6E5D;

//媒体色

$medium: #A1A1A1;

//亮色

$light: #F9F9F9;

//文字颜色

$black: #323232;

$grey:$medium;

When we use it in the style of each page, we should add this command first:

<style lang="scss" scoped>

//导入主题色

@import '@/utils/commonCss/scheme.scss';

</style>

## JS Modules