

Vue2.0(CLI3)开发环境搭建

一、创建项目并提交到github，方法一：

1、创建项目

```
1 | vue create supermall
```

2、创建名为supermall的github的仓库(repository，注：这里需要创建类型为MIT的License)

3、暂时改项目名supermall为supermall1

4、从github克隆新建的项目到本地

```
1 | git clone https://github.com/alanlou2020/supermall.git
```

5、拷贝选中的内容到supermall中，注意：supermall中新生成的文件夹不能覆盖，node_modules文件夹无需复制，如下图：

名称	修改日期	类型	大小
node_modules	2021/1/24 10:42	文件夹	
public	2021/1/24 10:42	文件夹	
src	2021/1/24 10:42	文件夹	
.gitignore	2021/1/24 10:42	文本文档	1 KB
babel.config.js	2021/1/24 10:42	JetBrains WebSt...	1 KB
package.json	2021/1/24 10:42	JSON File	1 KB
package-lock.json	2021/1/24 10:42	JSON File	430 KB
README.md	2021/1/24 10:42	Markdown File	1 KB

6、查看supermall项目git提交状态，执行命令如下：

```
1 | git status
```

7、添加新增的内容到git

```
1 | git add .
```

8、本地提交修改

```
1 | git commit -m '初始化项目'
```

9、提交到github服务器

```
1 | git push
```

二、项目直接和创建的github关联，方法二：

```
1 git init
2 git remote add origin https://github.com/alanlou2020/supermall.git
3 git push -u origin master
```

三、安装npm(因为复制的时候并没有复制node_modules文件夹，使用方法二的无需执行)，代码如下：

```
1 npm install
```

四、划分目录结构

1、删除不需要的文件

- src\components\HelloWorld.vue
- src\assets\logo.png

2、app.vue文件修改为如下：

```
1 <template>
2   <div id="app">
3
4   </div>
5 </template>
6
7 <script>
8
9   export default {
10     name: 'app',
11     components: {
12     }
13   }
14
15 </script>
16
17 <style>
18
19 </style>
20
```

3、创建资源文件夹

- src\assets\img
- src\assets\css
- src\views
- src\views\home
- src\views\category
- ...
- src\components\common
- src\components\content
- src\router
- src\store
- src\network

- src\common
- src\common\const.js (存放公共的js常量)
- src\common\utils.js (存放公共的js方法)
- src\common\mixin.js (混入)

五、引入CSS

1、引入通用CSS: <https://github.com/necolas/normalize.css>, 内容如下:

```
1  /*! normalize.css v8.0.1 | MIT License | github.com/necolas/normalize.css
   */
2
3  /* Document
4
5  =====
6  */
7
8  /**
9   * 1. Correct the line height in all browsers.
10  * 2. Prevent adjustments of font size after orientation changes in iOS.
11  */
12
13  html {
14    line-height: 1.15; /* 1 */
15    -webkit-text-size-adjust: 100%; /* 2 */
16  }
17
18  /* Sections
19
20  =====
21  */
22
23  /**
24   * Remove the margin in all browsers.
25   */
26
27  body {
28    margin: 0;
29  }
30
31  /**
32   * Render the `main` element consistently in IE.
33   */
34
35  main {
36    display: block;
37  }
38
39  /**
40   * Correct the font size and margin on `h1` elements within `section` and
41   * `article` contexts in Chrome, Firefox, and Safari.
42   */
43
44  h1 {
45    font-size: 2em;
46    margin: 0.67em 0;
47  }
```

```

44
45 /* Grouping content
46
=====
47 */
48 /**
49  * 1. Add the correct box sizing in Firefox.
50  * 2. Show the overflow in Edge and IE.
51  */
52
53 hr {
54     box-sizing: content-box; /* 1 */
55     height: 0; /* 1 */
56     overflow: visible; /* 2 */
57 }
58
59 /**
60  * 1. Correct the inheritance and scaling of font size in all browsers.
61  * 2. Correct the odd `em` font sizing in all browsers.
62  */
63
64 pre {
65     font-family: monospace, monospace; /* 1 */
66     font-size: 1em; /* 2 */
67 }
68
69 /* Text-level semantics
70
=====
71 */
72 /**
73  * Remove the gray background on active links in IE 10.
74  */
75
76 a {
77     background-color: transparent;
78 }
79
80 /**
81  * 1. Remove the bottom border in Chrome 57-
82  * 2. Add the correct text decoration in Chrome, Edge, IE, Opera, and
83     Safari.
84  */
85 abbr[title] {
86     border-bottom: none; /* 1 */
87     text-decoration: underline; /* 2 */
88     text-decoration: underline dotted; /* 2 */
89 }
90
91 /**
92  * Add the correct font weight in Chrome, Edge, and Safari.
93  */
94
95 b,
96 strong {

```

```
97     font-weight: bold;
98 }
99
100 /**
101  * 1. Correct the inheritance and scaling of font size in all browsers.
102  * 2. Correct the odd `em` font sizing in all browsers.
103  */
104
105 code,
106 kbd,
107 samp {
108     font-family: monospace, monospace; /* 1 */
109     font-size: 1em; /* 2 */
110 }
111
112 /**
113  * Add the correct font size in all browsers.
114  */
115
116 small {
117     font-size: 80%;
118 }
119
120 /**
121  * Prevent `sub` and `sup` elements from affecting the line height in
122  * all browsers.
123  */
124
125 sub,
126 sup {
127     font-size: 75%;
128     line-height: 0;
129     position: relative;
130     vertical-align: baseline;
131 }
132
133 sub {
134     bottom: -0.25em;
135 }
136
137 sup {
138     top: -0.5em;
139 }
140
141 /* Embedded content
142
143 =====
144 */
145
146 /**
147  * Remove the border on images inside links in IE 10.
148  */
149
150 img {
151     border-style: none;
152 }
153
154 /* Forms
```

```
153 =====
154 */
155 /**
156  * 1. Change the font styles in all browsers.
157  * 2. Remove the margin in Firefox and Safari.
158 */
159
160 button,
161 input,
162 optgroup,
163 select,
164 textarea {
165     font-family: inherit; /* 1 */
166     font-size: 100%; /* 1 */
167     line-height: 1.15; /* 1 */
168     margin: 0; /* 2 */
169 }
170
171 /**
172  * Show the overflow in IE.
173  * 1. Show the overflow in Edge.
174 */
175
176 button,
177 input { /* 1 */
178     overflow: visible;
179 }
180
181 /**
182  * Remove the inheritance of text transform in Edge, Firefox, and IE.
183  * 1. Remove the inheritance of text transform in Firefox.
184 */
185
186 button,
187 select { /* 1 */
188     text-transform: none;
189 }
190
191 /**
192  * Correct the inability to style clickable types in iOS and Safari.
193 */
194
195 button,
196 [type="button"],
197 [type="reset"],
198 [type="submit"] {
199     -webkit-appearance: button;
200 }
201
202 /**
203  * Remove the inner border and padding in Firefox.
204 */
205
206 button::-moz-focus-inner,
207 [type="button"]::-moz-focus-inner,
208 [type="reset"]::-moz-focus-inner,
```

```
209 [type="submit"]::-moz-focus-inner {
210     border-style: none;
211     padding: 0;
212 }
213
214 /**
215  * Restore the focus styles unset by the previous rule.
216  */
217
218 button::-moz-focusring,
219 [type="button"]::-moz-focusring,
220 [type="reset"]::-moz-focusring,
221 [type="submit"]::-moz-focusring {
222     outline: 1px dotted ButtonText;
223 }
224
225 /**
226  * Correct the padding in Firefox.
227  */
228
229 fieldset {
230     padding: 0.35em 0.75em 0.625em;
231 }
232
233 /**
234  * 1. Correct the text wrapping in Edge and IE.
235  * 2. Correct the color inheritance from `fieldset` elements in IE.
236  * 3. Remove the padding so developers are not caught out when they zero
237  *    out
238  *    `fieldset` elements in all browsers.
239  */
240
241 legend {
242     box-sizing: border-box; /* 1 */
243     color: inherit; /* 2 */
244     display: table; /* 1 */
245     max-width: 100%; /* 1 */
246     padding: 0; /* 3 */
247     white-space: normal; /* 1 */
248 }
249
250 /**
251  * Add the correct vertical alignment in Chrome, Firefox, and Opera.
252  */
253
254 progress {
255     vertical-align: baseline;
256 }
257
258 /**
259  * Remove the default vertical scrollbar in IE 10+.
260  */
261
262 textarea {
263     overflow: auto;
264 }
265
266 /**
```

```

266 * 1. Add the correct box sizing in IE 10.
267 * 2. Remove the padding in IE 10.
268 */
269
270 [type="checkbox"],
271 [type="radio"] {
272     box-sizing: border-box; /* 1 */
273     padding: 0; /* 2 */
274 }
275
276 /**
277  * Correct the cursor style of increment and decrement buttons in Chrome.
278  */
279
280 [type="number"]::-webkit-inner-spin-button,
281 [type="number"]::-webkit-outer-spin-button {
282     height: auto;
283 }
284
285 /**
286  * 1. Correct the odd appearance in Chrome and Safari.
287  * 2. Correct the outline style in Safari.
288  */
289
290 [type="search"] {
291     -webkit-appearance: textfield; /* 1 */
292     outline-offset: -2px; /* 2 */
293 }
294
295 /**
296  * Remove the inner padding in Chrome and Safari on macOS.
297  */
298
299 [type="search"]::-webkit-search-decoration {
300     -webkit-appearance: none;
301 }
302
303 /**
304  * 1. Correct the inability to style clickable types in iOS and Safari.
305  * 2. Change font properties to `inherit` in Safari.
306  */
307
308 ::-webkit-file-upload-button {
309     -webkit-appearance: button; /* 1 */
310     font: inherit; /* 2 */
311 }
312
313 /* Interactive
314
=====
315
316 /*
317  * Add the correct display in Edge, IE 10+, and Firefox.
318  */
319
320 details {
321     display: block;

```



```

322 }
323
324 /*
325  * Add the correct display in all browsers.
326  */
327
328 summary {
329     display: list-item;
330 }
331
332 /* Misc
333
=====
334 */
335 /**
336  * Add the correct display in IE 10+.
337  */
338
339 template {
340     display: none;
341 }
342
343 /**
344  * Add the correct display in IE 10.
345  */
346
347 [hidden] {
348     display: none;
349 }

```

2、建立自己的CSS文件，内容如下：

```

1  @import "./normalize.css";
2
3  /*:root -> 获取根元素html*/
4  :root {
5      --color-text: #666;
6      --color-high-text: #ff5777;
7      --color-tint: #ff8198;
8      --color-background: #fff;
9      --font-size: 14px;
10     --line-height: 1.5;
11 }
12
13 *,
14 *::before,
15 *::after {
16     margin: 0;
17     padding: 0;
18     box-sizing: border-box;
19 }
20
21 body {
22     font-family: "Helvetica Neue", Helvetica, "PingFang SC", "Hiragino Sans
GB", "Microsoft YaHei", "微软雅黑", Arial, sans-serif;
23     user-select: none; /* 禁止用户鼠标在页面上选中文字/图片等 */

```

```

24  -webkit-tap-highlight-color: transparent; /* webkit是苹果浏览器引擎，tap点击，
    highlight背景高亮，color颜色，颜色用数值调节 */
25  background: var(--color-background);
26  color: var(--color-text);
27  /* rem vw/vh */
28  width: 100vw;
29  }
30
31  a {
32    color: var(--color-text);
33    text-decoration: none;
34  }
35
36
37  .clear-fix::after {
38    clear: both;
39    content: '';
40    display: block;
41    width: 0;
42    height: 0;
43    visibility: hidden;
44  }
45
46  .clear-fix {
47    zoom: 1;
48  }
49
50  .left {
51    float: left;
52  }
53
54  .right {
55    float: right;
56  }

```

3、App.vue中引入base.css，如下：

```

1  <style>
2    @import "../assets/css/base.css";
3  </style>

```

六、配置别名

1、在项目根目录(supermall)创建vue.config.js文件，内容如下：

```

1  module.exports = {
2    configurewebpack: {
3      resolve: {
4        alias: {
5          'assets': '@/assets',
6          'common': '@/common',
7          'components': '@/components',
8          'network': '@/network',
9          'views': '@/views'
10       }
11     }
12   }
13 }

```

注: router和store都可以通过 `this.$router` 和 `this.$store` 来获取, 因此无需定义别名。

2、在项目中使用别名, 如: 在"src\App.vue"中, 修改'@import' `"/assets/css/base.css";`为'@import "assets/css/base.css";'。

七、创建项目统一风格配置文件".editorconfig", 路径为项目根目录下(supermall), 内容如下(重要):

```

1  root = true
2
3  [*]
4  charset = utf-8
5  indent_style = space
6  indent_size = 2
7  end_of_line = lf
8  insert_final_newline = true
9  trim_trailing_whitespace = true

```

八、搭建完成, 启动项目, 命令如下:

```

1  npm run serve

```

九、配置路由:

1、安装路由, 命令如下:

```

1  npm install vue-router --save

```

2、创建文件src\router\index.js, 内容如下:

```

1  import Vue from 'vue'
2  import VueRouter from 'vue-router'
3
4  const Home = () =>
5    import ('views/home/Home')
6  const Category = () =>
7    import ('views/category/Category')
8  const Cart = () =>
9    import ('views/cart/Cart')
10 const Profile = () =>

```

```
11     import ('views/profile/Profile')
12
13
14 //1、安装插件
15 Vue.use(VueRouter)
16
17
18 // 解决ElementUI导航栏中的vue-router在3.0版本以上重复点菜单报错问题
19 const originalPush = VueRouter.prototype.push;
20 VueRouter.prototype.push = function push(location) {
21     return originalPush.call(this, location).catch(err => err)
22 };
23 // 解决ElementUI导航栏中的vue-router在3.0版本以上重复点菜单报错问题
24 const originalReplace = VueRouter.prototype.replace;
25 VueRouter.prototype.replace = function replace(location) {
26     return originalReplace.call(this, location).catch(err => err);
27 };
28
29 //2、创建router
30 const routes = [{
31     path: '',
32     redirect: '/home'
33 },
34 {
35     path: '/home',
36     component: Home
37 },
38 {
39     path: '/category',
40     component: Category
41 },
42 {
43     path: '/cart',
44     component: Cart
45 },
46 {
47     path: '/profile',
48     component: Profile
49 }
50 ]
51
52 const router = new VueRouter({
53     routes,
54     mode: 'history'
55 })
56
57 //3、导出
58 export default router
```

3、修改"src\main.js"文件，内容如下：

```
1 import Vue from 'vue'
2 import App from './App.vue'
3 import router from './router'
4
5 Vue.config.productionTip = false
6
7 new Vue({
8   render: h => h(App),
9   router
10 }).$mount('#app')
```

4、修改文件"src\App.vue", 内容如下:

```
1 <template>
2   <div id="app">
3     <router-view />
4   </div>
5 </template>
6
7 <script>
8
9   export default {
10     name: 'app',
11     components: {
12     }
13   }
14
15 </script>
16
17 <style>
18   @import "assets/css/base.css";
19 </style>
```