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：sumpermall中新生成的文件夹不能覆盖，node_modules文件夹无需复制，如下图：

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)，命令如下:

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

```
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
    Safari.
83   */
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 {
```

```css
 97      font-weight: bolder;
 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
```

```css
 97      font-weight: bolder;
 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     * Remove the border on images inside links in IE 10.
146     */
147
148    img {
149      border-style: none;
150    }
151
152    /* Forms
```

```css
   ========================================================================== */

/**
 * 1. Change the font styles in all browsers.
 * 2. Remove the margin in Firefox and Safari.
 */

button,
input,
optgroup,
select,
textarea {
  font-family: inherit; /* 1 */
  font-size: 100%; /* 1 */
  line-height: 1.15; /* 1 */
  margin: 0; /* 2 */
}

/**
 * Show the overflow in IE.
 * 1. Show the overflow in Edge.
 */

button,
input { /* 1 */
  overflow: visible;
}

/**
 * Remove the inheritance of text transform in Edge, Firefox, and IE.
 * 1. Remove the inheritance of text transform in Firefox.
 */

button,
select { /* 1 */
  text-transform: none;
}

/**
 * Correct the inability to style clickable types in iOS and Safari.
 */

button,
[type="button"],
[type="reset"],
[type="submit"] {
  -webkit-appearance: button;
}

/**
 * Remove the inner border and padding in Firefox.
 */

button::-moz-focus-inner,
[type="button"]::-moz-focus-inner,
[type="reset"]::-moz-focus-inner,
```

```css
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
    out
237    *    `fieldset` elements in all browsers.
238    */
239
240   legend {
241     box-sizing: border-box; /* 1 */
242     color: inherit; /* 2 */
243     display: table; /* 1 */
244     max-width: 100%; /* 1 */
245     padding: 0; /* 3 */
246     white-space: normal; /* 1 */
247   }
248
249   /**
250    * Add the correct vertical alignment in Chrome, Firefox, and Opera.
251    */
252
253   progress {
254     vertical-align: baseline;
255   }
256
257   /**
258    * Remove the default vertical scrollbar in IE 10+.
259    */
260
261   textarea {
262     overflow: auto;
263   }
264
265   /**
```

```
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 */
```

```css
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    //2、创建router
18    const routes = [{
19          path: '',
20          redirect: '/home'
21      },
22      {
23          path: '/home',
24          component: Home
25      },
26      {
27          path: '/category',
28          component: Category
29      },
30      {
31          path: '/cart',
32          component: Cart
33      },
34      {
35          path: '/profile',
36          component: Profile
37      }
38    ]
39
40    const router = new VueRouter({
41        routes,
42        mode: 'history'
43    })
44
45    //3、导出
46    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>
```