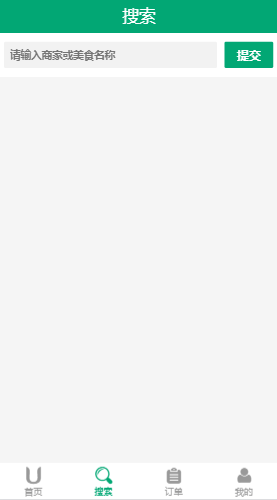
Vue实战项目: 硅谷外卖

# 第1章: 准备

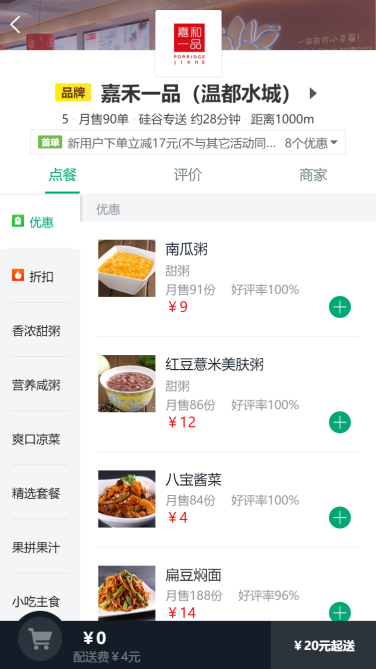
## 项目描述

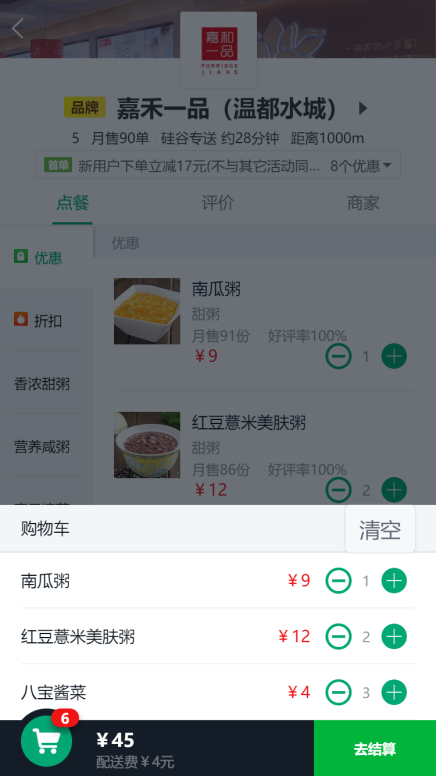
1. 此项目为外卖Web App (SPA)
2. 包括商家, 商品, 购物车, 用户等多个子模块
3. 使用Vue全家桶+ES6+Webpack等前端最新最热的技术
4. 采用模块化、组件化、工程化的模式开发

## 项目功能界面

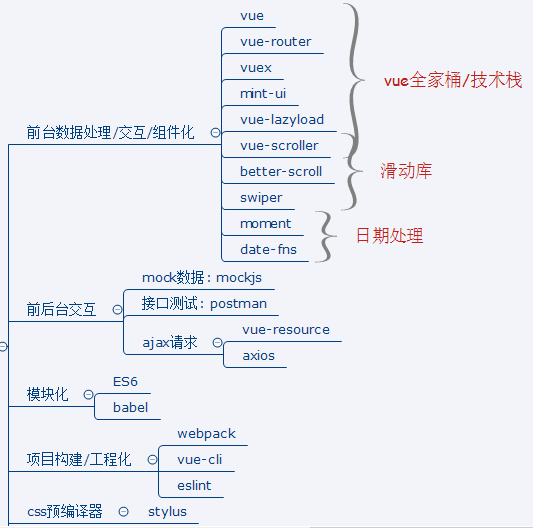
  

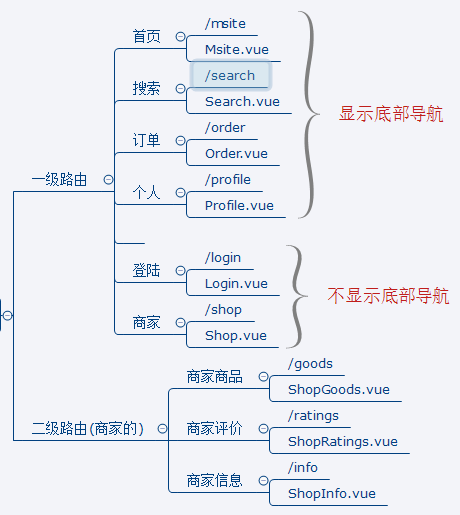
  

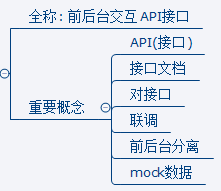
## 技术选型



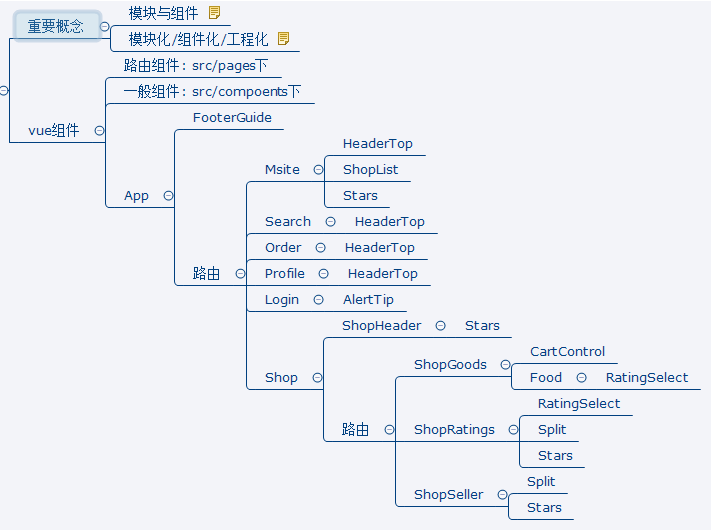
## 前端路由



## API接口



## 项目vue组件



## 你能从此项目中学到什么?

### 流程及开发方法

1. 熟悉一个项目的开发流程
2. 学会组件化、模块化、工程化的开发模式
3. 掌握使用vue-cli脚手架初始化Vue.js项目
4. 学会模拟json后端数据，实现前后端分离开发
5. 学会ES6+eslint的开发方式
6. 掌握一些项目优化技巧

### Vue插件或第三方库

1. 学会使用vue-router开发单页应用
2. 学会使用axios/vue-resource与后端进行数据交互
3. 学会使用vuex管理应用组件状态
4. 学会使用better-scroll/vue-scroller实现页面滑动效果
5. 学会使用mint-ui组件库构建界面
6. 学会使用vue-lazyload实现图片惰加载
7. 学会使用mockjs模拟后台数据接口

### 样式/布局/效果相关

1. 学会使用stylus编写模块化的CSS
2. 学会使用Vue.js的过渡编写酷炫的交互动画
3. 学会制作并使用图标字体
4. 学会解决移动端1px边框问题
5. 学会移动端经典的css sticky footer布局
6. 学会flex弹性布局

# 第2章: 应用开发详解

## 2.1. 开启项目开发

### 2.1.1. 使用vue-cli(脚手架)搭建项目

1. Vue-cli是vue官方提供的用于搭建基于vue+webpack+es6项目的脚手架工具
2. 在线文档: <https://github.com/vuejs/vue-cli>
3. 操作:

npm install -g vue-cli

vue init webpack gshop

cd gshop

npm install

npm run dev

访问: localhost:8080

### 2.1.2. 项目结构分析

gshop

|-- build : webpack相关的配置文件夹(基本不需要修改)

|-- config: webpack相关的配置文件夹(基本不需要修改)

|-- index.js: 指定的后台服务的端口号和静态资源文件夹

|-- node\_modules

|-- src : 源码文件夹

|-- main.js: 应用入口js

|-- static: 静态资源文件夹

|-- .babelrc: babel的配置文件

|-- .editorconfig: 通过编辑器的编码/格式进行一定的配置

|-- .eslintignore: eslint检查忽略的配置

|-- .eslintrc.js: eslint检查的配置

|-- .gitignore: git版本管制忽略的配置

|-- index.html: 主页面文件

|-- package.json: 应用包配置文件

|-- README.md: 应用描述说明的readme文件

### 2.1.3. 编码测试与打包发布项目

1. 编码测试

npm run dev

访问: <http://localhost:8080>

编码, 自动编译打包(HMR), 查看效果

1. 打包发布

npm run build

npm install -g serve

serve dist

访问: [http://localhost:5000](http://localhost:9000)

## 2.2. 功能需求分析

演示项目功能, 对功能模块进行分析说明

## 2.3. 资源准备

### 2.3.1. 相关概念

1. 标注图(设计稿): 对应用界面各个组成元素进行坐标/大小/颜色等进行标签的界面图
2. 切图: 将应用界面的一些静态图形部分, 通过工具(如photoshop)剪裁生成的图片
3. 图片Base64: 样式中引用的小图片, 在webpack打包会自动处理转换为样式内部的Base64编码字符串
4. 2x与3x图: 不同手机的屏幕密度不一样, 一般都在2以上(如iphone6为2,iphone6s为3), 为了适配不同的手机, UI设计师为同一个图片制作了2x和3x的2套图片(图形一样, 但大小不一样)

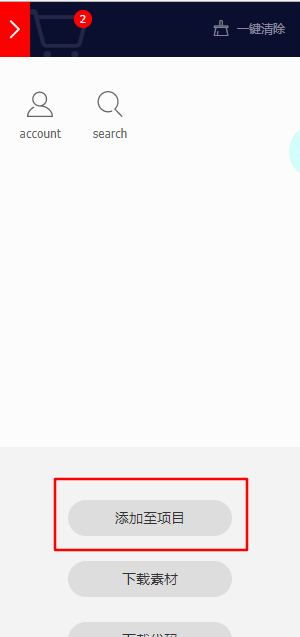
### 2.3.2. iconfont字体图标

1. iconfont介绍
   1. 意义：使用字体用HTML代码以文本的形式直接在网页中画icon小图标。
   2. 为什么使用icon字体图标: 使用图标字体可大大减少图标维护工作量。
   3. 灵活性：轻松地改变图标的颜色或其他CSS效果。
   4. 可扩展性：改变图标的大小，就像改变字体大小一样容易。
   5. 矢量性：图标是矢量的，与像素无关。缩放图标不会影响清晰度。
   6. 兼容性：字体图标支持所有现代浏览器（包括糟糕的IE6）。
   7. 本地使用：通过添加定制字体到你的本地系统，你可以在各种不同的设计和编辑应用程序中使用它们。
2. iconfont使用(本地没有svg)
   1. 我们需要依赖网站制作，
   2. 目前国内用的最多的是阿里巴巴矢量库（http://www.iconfont.cn/）
3. 注册账户
4. 把你想要的图标添加入库（购物车）



1. 点击购物车，将你想要的图标添加到项目中

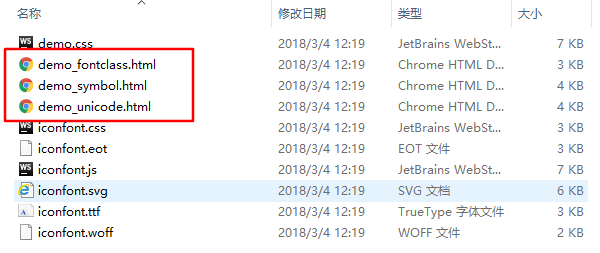




1. 下载到本地使用



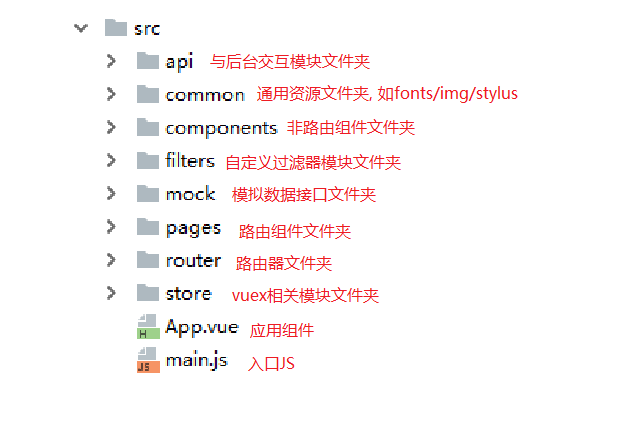
1. 三种使用方式



1. unicode引用
2. symbol引用
3. **font-class引用**
4. iconfont使用(本地有svg)
   1. 图标字体: 使用IcoMoon将SVG格式的图标转换生成图标字体及样式
   2. 进入icoMoon官网: <https://icomoon.io/>
   3. 点击右上角C:\Users\web\Desktop\0.png0, 进入处理页面
   4. 点击左上角,　选择resource\SVG\\*.svg, 上传显示到页面
   5. 在页面选择所有svg, 点击右下角生成图标字体样式
   6. 点击左上角指定Font-Name为sell-icon,　点击右下角下载到本地
   7. 解压zip包, 访问demo.html测试
   8. 我们项目需要的是fonts和style.css
5. 在页面中引入在线的iconfont样式

|  |
| --- |
| <**link rel="stylesheet" href="http://at.alicdn.com/t/font\_518606\_6676bmcalnrhehfr.css"**> |

## 2.4. 项目源码目录设计



## 2.5. Stylus

### 2.5.1. 当前主流的三种css预编译器([对比](http://www.w3cplus.com/css/sass-vs-less-vs-stylus-a-preprocessor-shootout.html))

1. Less
2. Sass
3. Stylus

### 2.5.2. 安装stylus依赖包

|  |
| --- |
| **npm install stylus stylus-loader --save-dev** |

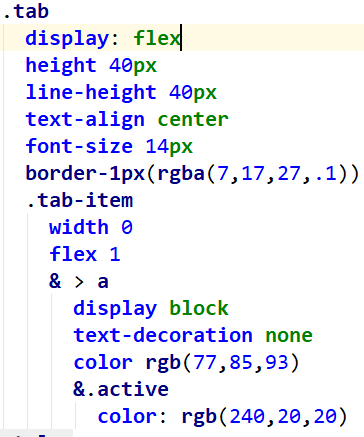
### 2.5.3. 编写样式

|  |
| --- |
| <**style lang="stylus" rel="stylesheet/stylus"**>  </**style**> |

### 2.5.4. stylus的基本语法

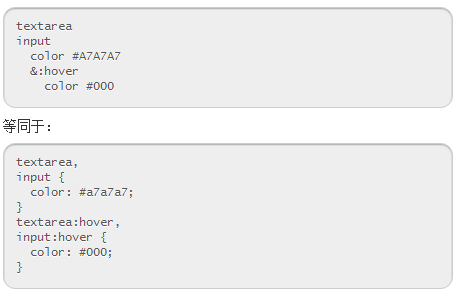
1. [stylus中文版参考文档](http://www.zhangxinxu.com/jq/stylus/)
2. 结构化:

完全通过缩进控制, 不需要大括号和分号,　冒号是可选的

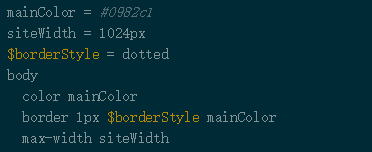


1. 父级引用

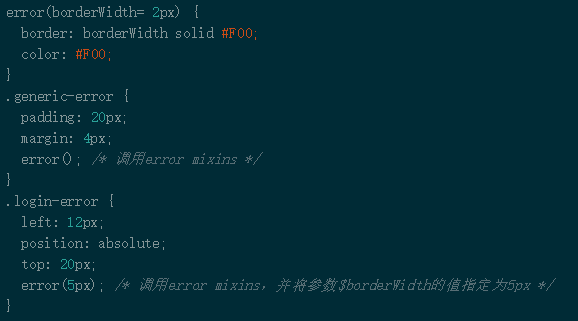
使用字符&指向父选择器



1. 变量
   1. 定义变量: name=value 如: mainColor = #0982c1
   2. 引用变量: name 如: color mainColor
   3. name可以没有前缀要求, 但最好以$开头(好识别)

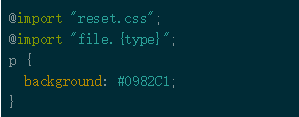


1. 混合(Mixins)
   1. 也就是预处器中的函数
   2. 函数参数可以指定默认值
   3. 某段CSS样式要用到多个元素上, 只有其中的1,2个样式值有变化



1. 导入(import)

通过@import引入其它样式文件



### 2.5.6. common/stylus/mixins.styl

|  |
| --- |
| **$green** = **#02a774**; **$yellow** = **#F5A100**; **$bc** = **#e4e4e4**;  *// 一像素下边框* **bottom-border-1px**(**$color**)  **position relative  border none  &**:**after  content ''  position absolute  left** 0  **bottom** 0  **width** 100%  **height** 1**px  background-color $color  transform scaleY**(0.5)  *// 一像素上边框* **top-border-1px**(**$color**)  **position relative  &**::**before  content ''  position absolute  z-index** 200  **left** 0  **top** 0  **width** 100%  **height** 1**px  background-color $color** *//根据像素比缩放1px像素边框* **@media only screen and** (**-webkit-device-pixel-ratio**: 2 )  .**border-1px  &**::**before  transform scaleY**(.5)  **@media only screen and** (**-webkit-device-pixel-ratio**: 3 )  .**border-1px  &**::**before  transform scaleY**(.333333)  *//根据像素比来使用 2x图 3x图* **bg-image**(**$url**)  **background-image**: **url**(**$url** + **"@2x.png"**)  **@media** (**-webkit-min-device-pixel-ratio**: 3),(**min-device-pixel-ratio**: 3)  **background-image**: **url**(**$url** + **"@3x.png"**)  *//清除浮动* **clearFix**()  \***zoom** 1  **&**::**after  content ''  display block  clear both** |

## 2.6. ESLint

### 2.6.1. 理解

1. ESLint是一个代码规范检查工具
2. 基本已替代以前的JSHint

### 2.6.2. ESLint提供以下支持

1. ES6
2. AngularJS
3. JSX
4. Style检查
5. 自定义错误和提示

### 2.6.3. ESLint提供以下几种校验

1. 语法错误校验
2. 不重要或丢失的标点符号，如分号
3. 没法运行到的代码块（使用过WebStorm的童鞋应该了解）
4. 未被使用的参数提醒
5. 漏掉的结束符，如}
6. 确保样式的统一规则，如sass或者less
7. 检查变量的命名

### 2.6.4. 规则的错误等级有三种

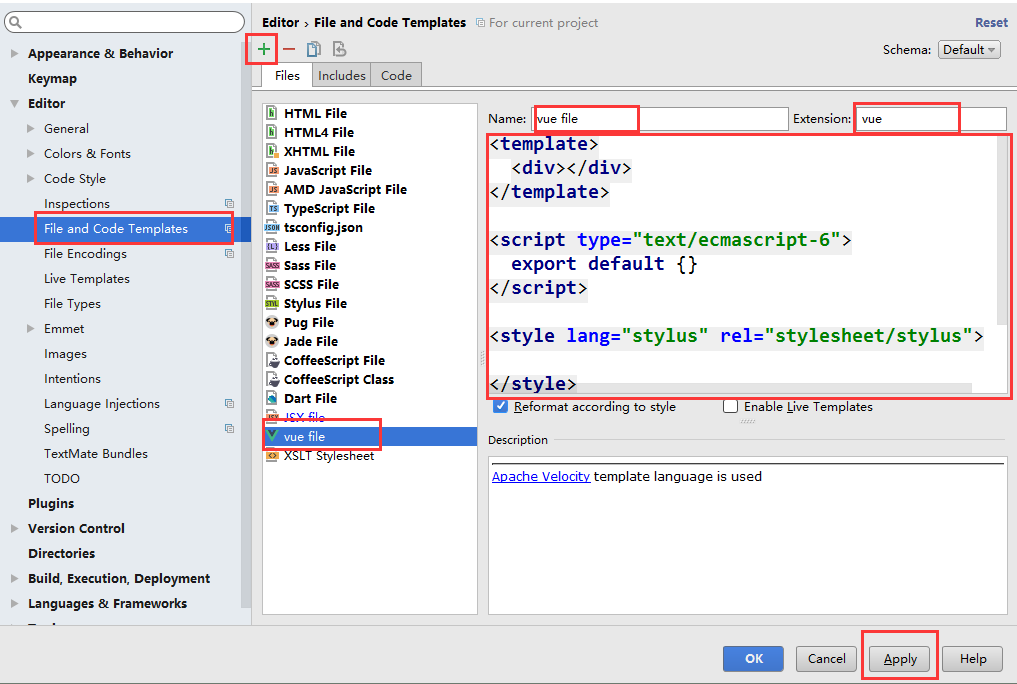
1. 0：关闭规则检查。
2. 1：打开规则检查，并且作为一个警告（输出提示文本黄色）。
3. 2：打开规则检查，并且作为一个错误（输出提示文本红色）。

### 2.6.5. 相关配置文件

1. .eslintrc.js : 规则相关配置文件, 可以在此修改规则
2. .eslintignore: 指令检查忽略的文件,　可以在此添加想忽略的文件

## 2.7. Vue组件化

### 2.7.1. 配置vue组件文件模板



|  |
| --- |
| <**template**>  <**div**>   </**div**> </**template**> <**script**>  **export default** {   } </**script**> <**style lang="stylus" rel="stylesheet/stylus"**>  </**style**> |

### 2.7.2. 分析应用的整体vue组件结构

src

|-- components------------非路由组件文件夹

|-- FooterGuide---------------底部组件文件夹

|-- FooterGuide.vue--------底部组件vue

|-- pages-----------------路由组件文件夹

|-- Msite---------------首页组件文件夹

|-- Msite.vue--------首页组件vue

|-- Search----------------搜索组件文件夹

|-- Search.vue---------搜索组件vue

|-- Order--------------订单组件文件夹

|-- Order.vue-------订单组件vue

|-- Profile--------------个人组件文件夹

|-- Profile.vue-------个人组件vue

|-- App.vue---------------应用根组件vue

|-- main.js---------------应用入口js

### 2.7.3. 各个vue组件的基本代码

1. pages/Msite/Msite.vue

|  |
| --- |
| <**template**>  <**div**>Msite vue template</**div**> </**template**>  <**script**>  **export default** {} </**script**>  <**style lang="stylus" rel="stylesheet/stylus"**>  </**style**> |

1. pages/Search/Search.vue

|  |
| --- |
| <**template**>  <**div**>Search vue template</**div**> </**template**>  <**script**>  **export default** {} </**script**>  <**style lang="stylus" rel="stylesheet/stylus"**>  </**style**> |

1. pages/Order/Order.vue

|  |
| --- |
| <**template**>  <**div**>order vue template</**div**> </**template**>  <**script**>  **export default** {} </**script**>  <**style lang="stylus" rel="stylesheet/stylus"**>  </**style**> |

1. pages/Profile/Profile.vue

|  |
| --- |
| <**template**>  <**div**>profile vue template</**div**> </**template**>  <**script**>  **export default** {} </**script**>  <**style lang="stylus" rel="stylesheet/stylus"**>  </**style**> |

1. App.vue

|  |
| --- |
| <**template**>  <**div**>App vue template</**div**> </**template**>  <**script**>  **export default** {} </**script**>  <**style lang="stylus" rel="stylesheet/stylus"**>  </**style**> |

1. main.js

|  |
| --- |
| **import** Vue **from 'vue' import App** **from './App'**  */\* eslint-disable no-new \*/* **new** Vue({  **el**: **'#app'**,  render: h => h(App) }) |

### 2.7.4. 引入reset样式

1. static/css/reset.css

|  |
| --- |
| */\*\*  \* Eric Meyer's Reset CSS v2.0 (http://meyerweb.com/eric/tools/css/reset/)  \* http://cssreset.com  \*/* **html**, **body**, **div**, **span**, **applet**, **object**, **iframe**, **h1**, **h2**, **h3**, **h4**, **h5**, **h6**, **p**, **blockquote**, **pre**, **a**, **abbr**, **acronym**, **address**, **big**, **cite**, **code**, **del**, **dfn**, **em**, **img**, **ins**, **kbd**, **q**, **s**, **samp**, **small**, **strike**, **strong**, **sub**, **sup**, **tt**, **var**, **b**, **u**, **i**, **center**, **dl**, **dt**, **dd**, **ol**, **ul**, **li**, **fieldset**, **form**, **label**, **legend**, **table**, **caption**, **tbody**, **tfoot**, **thead**, **tr**, **th**, **td**, **article**, **aside**, **canvas**, **details**, **embed**, **figure**, **figcaption**, **footer**, **header**, **menu**, **nav**, **output**, **ruby**, **section**, **summary**, **time**, **mark**, **audio**, **video**, **input** {  **margin**: 0;  **padding**: 0;  **border**: 0;  **font-size**: 100%;  **font-weight**: **normal**;  **vertical-align**: **baseline**; }  */\* HTML5 display-role reset for older browsers \*/* **article**, **aside**, **details**, **figcaption**, **figure**, **footer**, **header**, **menu**, **nav**, **section** {  **display**: **block**; }  **body** {  **line-height**: 1; }  **blockquote**, **q** {  **quotes**: **none**; }  **blockquote**:**before**, **blockquote**:**after**, **q**:**before**, **q**:**after** {  **content**: **none**; }  **table** {  **border-collapse**: **collapse**;  **border-spacing**: 0; }  */\* custom \*/* **a** {  **color**: **#7e8c8d**;  **text-decoration**: **none**;  **-webkit-backface-visibility**: **hidden**; }  **li** {  **list-style**: **none**; }  ::**-webkit-scrollbar** {  **width**: 5**px**;  **height**: 5**px**; }  ::**-webkit-scrollbar-track-piece** {  **background-color**: **rgba**(0, 0, 0, 0.2);  **-webkit-border-radius**: 6**px**; }  ::**-webkit-scrollbar-thumb**:**vertical** {  **height**: 5**px**;  **background-color**: **rgba**(125, 125, 125, 0.7);  **-webkit-border-radius**: 6**px**; }  ::**-webkit-scrollbar-thumb**:**horizontal** {  **width**: 5**px**;  **background-color**: **rgba**(125, 125, 125, 0.7);  **-webkit-border-radius**: 6**px**; }  **html**, **body** {  **width**: 100%;  **height**: 100%; }  **body** {  **-webkit-text-size-adjust**: **none**;  **-webkit-tap-highlight-color**: **rgba**(0, 0, 0, 0); }  */\*显示省略号\*/* .**ellipsis**{  **overflow**: **hidden**;  **text-overflow**: **ellipsis**;  **white-space**: **nowrap**; } |

1. index.html中引入

|  |
| --- |
| <**link rel="stylesheet" href="/static/css/reset.css"**> |

### 2.7.5. 移动端

1. viewport

|  |
| --- |
| <**meta name="viewport"  content="width=device-width,initial-scale=1.0,maximum-scale=1.0,minimum-scale=1.0,user-scalable=no"**> |

1. 解决点击响应延时0.3s问题

|  |
| --- |
| <**script src="https://as.alipayobjects.com/g/component/fastclick/1.0.6/fastclick.js"**></**script**> <**script**>  **if** (**'addEventListener'** in document) {  document.addEventListener(**'DOMContentLoaded'**, **function**() {  FastClick.**attach**(document.**body**);  }, **false**);  }  **if**(!**window**.Promise) {  document.writeln(**'<script src="https://as.alipayobjects.com/g/component/es6-promise/3.2.2/es6-promise.min.js"'**+**'>'**+**'<'**+**'/'**+**'script>'**);  } </**script**> |

## 2.8. 引入vue-router

### 2.8.1. 下载vue-router

|  |
| --- |
| **npm install vue-router --save** |

### 2.8.2. 编码

1. router/index.js

|  |
| --- |
| */\* 路由器模块  \*/* **import** Vue **from 'vue' import** VueRouter **from 'vue-router'  import** Msite **from '../pages/Msite/Msite.vue' import** Search **from '../pages/Search/Search.vue' import** Order **from '../pages/Order/Order.vue' import** Profile **from '../pages/Profile/Profile.vue'** Vue.use(VueRouter)  **export default new** VueRouter({  **routes**: [  {  **path**: **'/'**,  **redirect**: **'/msite'** },  {  **path**: **'/msite'**,  **component**: Msite,  },  {  **path**: **'/search'**,  **component**: Search,  },  {  **path**: **'/order'**,  **component**: Order,  },  {  **path**: **'/profile'**,  **component**: Profile,  }  ] }) |

1. main.js

|  |
| --- |
| **import** Vue **from 'vue' import** app **from './app'**  **import** router **from './router'**  **new** Vue({  **el**: **'#app'**,  **render**: h => h(app),  router,}) |

1. components/FooterGuide/FooterGuide.vue

|  |
| --- |
| <**template**>  <**div**>  FooterGuide  </**div**> </**template**>  <**script**>  **export default** {} </**script**>  <**style**>  </**style**> |

1. App.vue

|  |
| --- |
| <**template**>  <**div id="app"**>  <**router-view**></**router-view**>  <**FooterGuide**></**FooterGuide**>  </**div**> </**template**>  <**script**>  **import** FooterGuide **from './components/FooterGuide/FooterGuide.vue'   export default** {  **components**: {  FooterGuide  }  } </**script**>  <**style lang="stylus" rel="stylesheet/stylus"**>  **#app  width** 100%  **height** 100%</**style**> |

1. index.html

|  |
| --- |
| <**body**>  <**div id="app"**></**div**>  *<!-- built files will be auto injected -->* </**body**> |

### 2.8.3. 运行, 并请求不同路由路径

查看运行效果

## 2.9. FooterGuide组件

### 2.9.1. 说明



1. 通过编程式导航实现路由的切换显示($router)
2. 通过动态class和$route.path来实现tab样式切换
3. 通过阿里图标库, 显示导航图标

### 2.9.2. 编码

1. 静态页面

|  |
| --- |
| <**footer class="footer\_guide border-1px"**>  <**a href="javascript:;" class="guide\_item on"**>  <**span class="item\_icon"**>  <**i class="iconfont icon-waimai"**></**i**>  </**span**>  <**span**>外卖</**span**>  </**a**>  <**a href="javascript:;" class="guide\_item"**>  <**span class="item\_icon"**>  <**i class="iconfont icon-search"**></**i**>  </**span**>  <**span**>搜索</**span**>  </**a**>  <**a href="javascript:;" class="guide\_item"**>  <**span class="item\_icon"**>  <**i class="iconfont icon-dingdan"**></**i**>  </**span**>  <**span**>订单</**span**>  </**a**>  <**a href="javascript:;" class="guide\_item"**>  <**span class="item\_icon"**>  <**i class="iconfont icon-geren"**></**i**>  </**span**>  <**span**>我的</**span**>  </**a**> </**footer**> |

1. style

|  |
| --- |
| <**style lang="stylus" rel="stylesheet/stylus"**>  **@import "../../common/stylus/mixins.styl"** .**footer\_guide  top-border-1px**(**#e4e4e4**)  **position fixed  z-index** 100  **left** 0  **right** 0  **bottom** 0  **background-color #fff  width** 100%  **height** 50**px  display flex** .**guide\_item  display flex  flex** 1  **text-align center  flex-direction column  align-items center  margin** 5**px  color #999999  &**.**on  color #02a774  span  font-size** 12**px  margin-top** 2**px  margin-bottom** 2**px** .**iconfont  font-size** 22**px** </**style**> |

1. template

|  |
| --- |
| <**template**>  <**footer class="footer\_guide border-1px"**>  <**div class="guide\_item" @click="**goto(**'/msite'**)**" :class="**{**on**: isCurrent(**'/msite'**)}**"**>  <**span class="item\_icon"**>  <**i class="iconfont icon-waimai"**></**i**>  </**span**>  <**span**>首页</**span**>  </**div**>  <**div class="guide\_item" @click="**goto(**'/search'**)**" :class="**{**on**: isCurrent(**'/search'**)}**"**>  <**span class="item\_icon"**>  <**i class="iconfont icon-search"**></**i**>  </**span**>  <**span**>搜索</**span**>  </**div**>  <**div class="guide\_item" @click="**goto(**'/order'**)**" :class="**{**on**: isCurrent(**'/order'**)}**"**>  <**span class="item\_icon"**>  <**i class="iconfont icon-dingdan"**></**i**>  </**span**>  <**span**>订单</**span**>  </**div**>  <**div class="guide\_item" @click="**goto(**'/profile'**)**" :class="**{**on**: isCurrent(**'/profile'**)}**"**>  <**span class="item\_icon"**>  <**i class="iconfont icon-geren"**></**i**>  </**span**>  <**span**>我的</**span**>  </**div**>  </**footer**> </**template**> |

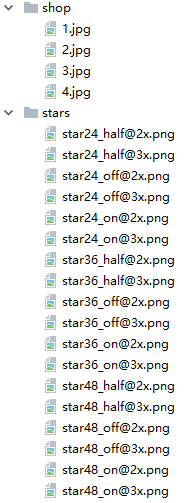
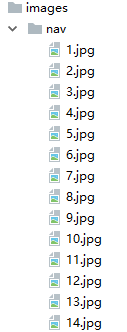
1. script

|  |
| --- |
| <**script**>  **export default** {  **methods**: {  goto(path) {  **this**.$router.replace(path)  },  isCurrent(path) {  *// console.log(this.$route.path)* **return this**.$route.path === path  }  }  } </**script**> |

## 2.10. 各导航路由组件(静态)

### 2.10.1. Msite组件

1. 图片资源



1. Msite.vue

|  |
| --- |
| <**template**>  <**div class="msite"**>  *<!--首页头部-->* <**header class="header"**>  <**a class="header\_search"**>  <**i class="iconfont icon-sousuo"**></**i**>  </**a**>  <**a class="header\_title"**>  <**span class="header\_title\_text ellipsis"**>昌平区北七家宏福科技园(337省道北)</**span**>  </**a**>  <**a class="header\_login"**>  <**span class="header\_login\_text"**>登录|注册</**span**>  </**a**>  </**header**>  *<!--首页导航-->* <**nav class="msite\_nav border-1px"**>  <**div class="swiper-container"**>  <**div class="swiper-wrapper"**>  <**div class="swiper-slide"**>  <**a href="javascript:" class="link\_to\_food"**>  <**div class="food\_container"**>  <**img src="./images/nav/1.jpg"**>  </**div**>  <**span**>甜品饮品</**span**>  </**a**>  <**a href="javascript:" class="link\_to\_food"**>  <**div class="food\_container"**>  <**img src="./images/nav/2.jpg"**>  </**div**>  <**span**>商超便利</**span**>  </**a**>  <**a href="javascript:" class="link\_to\_food"**>  <**div class="food\_container"**>  <**img src="./images/nav/3.jpg"**>  </**div**>  <**span**>美食</**span**>  </**a**>  <**a href="javascript:" class="link\_to\_food"**>  <**div class="food\_container"**>  <**img src="./images/nav/4.jpg"**>  </**div**>  <**span**>简餐</**span**>  </**a**>  <**a href="javascript:" class="link\_to\_food"**>  <**div class="food\_container"**>  <**img src="./images/nav/5.jpg"**>  </**div**>  <**span**>新店特惠</**span**>  </**a**>  <**a href="javascript:" class="link\_to\_food"**>  <**div class="food\_container"**>  <**img src="./images/nav/6.jpg"**>  </**div**>  <**span**>准时达</**span**>  </**a**>  <**a href="javascript:" class="link\_to\_food"**>  <**div class="food\_container"**>  <**img src="./images/nav/7.jpg"**>  </**div**>  <**span**>预订早餐</**span**>  </**a**>  <**a href="javascript:" class="link\_to\_food"**>  <**div class="food\_container"**>  <**img src="./images/nav/8.jpg"**>  </**div**>  <**span**>土豪推荐</**span**>  </**a**>  </**div**>  <**div class="swiper-slide"**>  <**a href="javascript:" class="link\_to\_food"**>  <**div class="food\_container"**>  <**img src="./images/nav/9.jpg"**>  </**div**>  <**span**>甜品饮品</**span**>  </**a**>  <**a href="javascript:" class="link\_to\_food"**>  <**div class="food\_container"**>  <**img src="./images/nav/10.jpg"**>  </**div**>  <**span**>商超便利</**span**>  </**a**>  <**a href="javascript:" class="link\_to\_food"**>  <**div class="food\_container"**>  <**img src="./images/nav/11.jpg"**>  </**div**>  <**span**>美食</**span**>  </**a**>  <**a href="javascript:" class="link\_to\_food"**>  <**div class="food\_container"**>  <**img src="./images/nav/12.jpg"**>  </**div**>  <**span**>简餐</**span**>  </**a**>  <**a href="javascript:" class="link\_to\_food"**>  <**div class="food\_container"**>  <**img src="./images/nav/13.jpg"**>  </**div**>  <**span**>新店特惠</**span**>  </**a**>  <**a href="javascript:" class="link\_to\_food"**>  <**div class="food\_container"**>  <**img src="./images/nav/14.jpg"**>  </**div**>  <**span**>准时达</**span**>  </**a**>  <**a href="javascript:" class="link\_to\_food"**>  <**div class="food\_container"**>  <**img src="./images/nav/1.jpg"**>  </**div**>  <**span**>预订早餐</**span**>  </**a**>  <**a href="javascript:" class="link\_to\_food"**>  <**div class="food\_container"**>  <**img src="./images/nav/2.jpg"**>  </**div**>  <**span**>土豪推荐</**span**>  </**a**>  </**div**>  </**div**>  *<!-- Add Pagination -->* <**div class="swiper-pagination"**></**div**>  </**div**>  </**nav**>  *<!--首页附近商家-->* <**div class="msite\_shop\_list border-1px"**>  <**div class="shop\_header"**>  <**i class="iconfont icon-xuanxiang"**></**i**>  <**span class="shop\_header\_title"**>附近商家</**span**>  </**div**>  <**div class="shop\_container"**>  <**ul class="shop\_list"**>  <**li class="shop\_li border-1px"**>  <**a**>  <**div class="shop\_left"**>  <**img class="shop\_img" src="./images/shop/1.jpg"**>  </**div**>  <**div class="shop\_right"**>  <**section class="shop\_detail\_header"**>  <**h4 class="shop\_title"** >锄禾日当午，汗滴禾下土</**h4**>  <**ul class="shop\_detail\_ul"**>  <**li class="supports"**>保</**li**>  <**li class="supports"**>准</**li**>  <**li class="supports"**>票</**li**>  </**ul**>  </**section**>  <**section class="shop\_rating\_order"**>  <**section class="shop\_rating\_order\_left"**>  <**div class="star star-24"**>  <**span class="star-item on"**></**span**>  <**span class="star-item on"**></**span**>  <**span class="star-item on"**></**span**>  <**span class="star-item half"**></**span**>  <**span class="star-item off"**></**span**>  </**div**>  <**div class="rating\_section"**>  3.6  </**div**>  <**div class="order\_section"**>  月售106单  </**div**>  </**section**>  <**section class="shop\_rating\_order\_right"**>  <**span class="delivery\_style delivery\_left"**>硅谷专送</**span**>  <**span class="delivery\_style delivery\_right"**>准时达</**span**>  </**section**>  </**section**>  <**section class="shop\_distance"**>  <**p class="shop\_delivery\_msg"**>  <**span**>¥20起送</**span**>  <**span class="segmentation"**>/</**span**>  <**span**>配送费约¥5</**span**>  </**p**>  </**section**>  </**div**>  </**a**>  </**li**>  <**li class="shop\_li border-1px"**>  <**a**>  <**div class="shop\_left"**>  <**img class="shop\_img" src="./images/shop/2.jpg"**>  </**div**>  <**div class="shop\_right"**>  <**section class="shop\_detail\_header"**>  <**h4 class="shop\_title ellipsis"** >锄禾日当午，汗滴禾下土</**h4**>  <**ul class="shop\_detail\_ul"**>  <**li class="supports"**>保</**li**>  <**li class="supports"**>准</**li**>  <**li class="supports"**>票</**li**>  </**ul**>  </**section**>  <**section class="shop\_rating\_order"**>  <**section class="shop\_rating\_order\_left"**>  <**div class="star star-24"**>  <**span class="star-item on"**></**span**>  <**span class="star-item on"**></**span**>  <**span class="star-item on"**></**span**>  <**span class="star-item on"**></**span**>  <**span class="star-item off"**></**span**>  </**div**>  <**div class="rating\_section"**>  4.1  </**div**>  <**div class="order\_section"**>  月售106单  </**div**>  </**section**>  <**section class="shop\_rating\_order\_right"**>  <**span class="delivery\_style delivery\_left"**>硅谷专送</**span**>  <**span class="delivery\_style delivery\_right"**>准时达</**span**>  </**section**>  </**section**>  <**section class="shop\_distance"**>  <**p class="shop\_delivery\_msg"**>  <**span**>¥20起送</**span**>  <**span class="segmentation"**>/</**span**>  <**span**>配送费约¥5</**span**>  </**p**>  </**section**>  </**div**>  </**a**>  </**li**>  <**li class="shop\_li border-1px"**>  <**a**>  <**div class="shop\_left"**>  <**img class="shop\_img" src="./images/shop/3.jpg"**>  </**div**>  <**div class="shop\_right"**>  <**section class="shop\_detail\_header"**>  <**h4 class="shop\_title ellipsis"** >锄禾日当午，汗滴禾下土</**h4**>  <**ul class="shop\_detail\_ul"**>  <**li class="supports"**>保</**li**>  <**li class="supports"**>准</**li**>  <**li class="supports"**>票</**li**>  </**ul**>  </**section**>  <**section class="shop\_rating\_order"**>  <**section class="shop\_rating\_order\_left"**>  <**div class="star star-24"**>  <**span class="star-item on"**></**span**>  <**span class="star-item on"**></**span**>  <**span class="star-item on"**></**span**>  <**span class="star-item off"**></**span**>  <**span class="star-item off"**></**span**>  </**div**>  <**div class="rating\_section"**>  3.2  </**div**>  <**div class="order\_section"**>  月售106单  </**div**>  </**section**>  <**section class="shop\_rating\_order\_right"**>  <**span class="delivery\_style delivery\_left"**>硅谷专送</**span**>  <**span class="delivery\_style delivery\_right"**>准时达</**span**>  </**section**>  </**section**>  <**section class="shop\_distance"**>  <**p class="shop\_delivery\_msg"**>  <**span**>¥20起送</**span**>  <**span class="segmentation"**>/</**span**>  <**span**>配送费约¥5</**span**>  </**p**>  </**section**>  </**div**>  </**a**>  </**li**>  <**li class="shop\_li border-1px"**>  <**a**>  <**div class="shop\_left"**>  <**img class="shop\_img" src="./images/shop/4.jpg"**>  </**div**>  <**div class="shop\_right"**>  <**section class="shop\_detail\_header"**>  <**h4 class="shop\_title ellipsis"** >锄禾日当午，汗滴禾下土</**h4**>  <**ul class="shop\_detail\_ul"**>  <**li class="supports"**>保</**li**>  <**li class="supports"**>准</**li**>  <**li class="supports"**>票</**li**>  </**ul**>  </**section**>  <**section class="shop\_rating\_order"**>  <**section class="shop\_rating\_order\_left"**>  <**div class="star star-24"**>  <**span class="star-item on"**></**span**>  <**span class="star-item on"**></**span**>  <**span class="star-item on"**></**span**>  <**span class="star-item half"**></**span**>  <**span class="star-item off"**></**span**>  </**div**>  <**div class="rating\_section"**>  3.6  </**div**>  <**div class="order\_section"**>  月售106单  </**div**>  </**section**>  <**section class="shop\_rating\_order\_right"**>  <**span class="delivery\_style delivery\_left"**>硅谷专送</**span**>  <**span class="delivery\_style delivery\_right"**>准时达</**span**>  </**section**>  </**section**>  <**section class="shop\_distance"**>  <**p class="shop\_delivery\_msg"**>  <**span**>¥20起送</**span**>  <**span class="segmentation"**>/</**span**>  <**span**>配送费约¥5</**span**>  </**p**>  </**section**>  </**div**>  </**a**>  </**li**>  </**ul**>  </**div**>  </**div**>  </**div**> </**template**>  <**script**> **export default** {    } </**script**>  <**style lang="stylus" rel="stylesheet/stylus"**>  **@import "../../common/stylus/mixins.styl"** .**msite  width** 100%  .**header  background-color #02a774  position fixed  z-index** 100  **left** 0  **top** 0  **width** 100%  **height** 45**px** .**header\_search  position absolute  left** 15**px  top** 50%  **transform translateY**(-50%)  **width** 10%  **height** 50%  .**icon-sousuo  font-size** 25**px  color #fff** .**header\_title  position absolute  top** 50%  **left** 50%  **transform translate**(-50%, -50%)  **width** 50%  **color #fff  text-align center**  .**header\_title\_text  font-size** 20**px  color #fff  display block** .**header\_login  font-size** 14**px  color #fff  position absolute  right** 15**px  top** 50%  **transform translateY**(-50%)  .**header\_login\_text  color #fff** .**msite\_nav  bottom-border-1px**(**#e4e4e4**)  **margin-top** 45**px  height** 200**px  background #fff** .**swiper-container  width** 100%  **height** 100%  .**swiper-wrapper  width** 100%  **height** 100%  .**swiper-slide  display flex  justify-content center  align-items flex-start  flex-wrap wrap** .**link\_to\_food  width** 25%  .**food\_container  display block  width** 100%  **text-align center  padding-bottom** 10**px  font-size** 0  **img  display inline-block  width** 50**px  height** 50**px  span  display block  width** 100%  **text-align center  font-size** 13**px  color #666** .**swiper-pagination** >**span**.**swiper-pagination-bullet-active  background #02a774** .**msite\_shop\_list  top-border-1px**(**#e4e4e4**)  **margin-top** 10**px  background #fff** .**shop\_header  padding** 10**px** 10**px** 0 10**px** .**shop\_icon  margin-left** 5**px  color #999** .**shop\_header\_title  color #999  font-size** 14**px  line-height** 20**px** .**shop\_container  margin-bottom** 50**px** .**shop\_list** .**shop\_li  bottom-border-1px**(**#f1f1f1**)  **width** 100%  >**a  clearFix**()  **display block  box-sizing border-box  padding** 15**px** 8**px  width** 100%  .**shop\_left  float left  box-sizing border-box  width** 23%  **height** 75**px  padding-right** 10**px** .**shop\_img  display block  width** 100%  **height** 100%  .**shop\_right  float right  width** 77%  .**shop\_detail\_header  clearFix**()  **width** 100%  .**shop\_title  text\_ellipsis**()  **float left  width** 200**px  color #333  font-size** 16**px  line-height** 16**px  font-weight** 700  **&**::**before  content '品牌'  display inline-block  font-size** 11**px  line-height** 11**px  color #333  background-color #ffd930  padding** 2**px** 2**px  border-radius** 2**px  margin-right** 5**px** .**shop\_detail\_ul  float right  margin-top** 3**px** .**supports  float left  font-size** 10**px  color #999  border** 1**px solid #f1f1f1  padding** 0 2**px  border-radius** 2**px** .**shop\_rating\_order  clearFix**()  **width** 100%  **margin-top** 18**px  margin-bottom** 8**px** .**shop\_rating\_order\_left  float left  color #ff9a0d** .**star** *//2x图 3x图* **float left  font-size** 0  .**star-item  display inline-block  background-repeat no-repeat  &**.**star-48** .**star-item  width** 20**px  height** 20**px  margin-right** 22**px  background-size** 20**px** 20**px  &**:**last-child  margin-right**: 0  **&**.**on  bg-image**(**'./images/stars/star48\_on'**)  **&**.**half  bg-image**(**'./images/stars/star48\_half'**)  **&**.**off  bg-image**(**'./images/stars/star48\_off'**)  **&**.**star-36** .**star-item  width** 15**px  height** 15**px  margin-right** 6**px  background-size** 15**px** 15**px  &**:**last-child  margin-right** 0  **&**.**on  bg-image**(**'./images/stars/star36\_on'**)  **&**.**half  bg-image**(**'./images/stars/star36\_half'**)  **&**.**off  bg-image**(**'./images/stars/star36\_off'**)  **&**.**star-24** .**star-item  width** 10**px  height** 10**px  margin-right** 3**px  background-size** 10**px** 10**px  &**:**last-child  margin-right** 0  **&**.**on  bg-image**(**'./images/stars/star24\_on'**)  **&**.**half  bg-image**(**'./images/stars/star24\_half'**)  **&**.**off  bg-image**(**'./images/stars/star24\_off'**)  .**rating\_section  float left  font-size** 10**px  color #ff6000  margin-left** 4**px** .**order\_section  float left  font-size** 10**px  color #666  transform scale**(.8)  .**shop\_rating\_order\_right  float right  font-size** 0  .**delivery\_style  transform-origin** 35**px** 0  **transform scale**(.7)  **display inline-block  font-size** 12**px  padding** 1**px  border-radius** 2**px** .**delivery\_left  color #fff  margin-right** -10**px  background-color #02a774  border** 1**px solid #02a774** .**delivery\_right  color #02a774  border** 1**px solid #02a774** .**shop\_distance  clearFix**()  **width** 100%  **font-size** 12**px** .**shop\_delivery\_msg  float left  transform-origin** 0  **transform scale**(.9)  **width**: 200**px  color #666** .**segmentation  color #ccc** </**style**> |

1. 使用swiper实现图片轮播

地址: <http://www.swiper.com.cn/>

下载: npm install --save swiper

|  |
| --- |
| <**script**>  **import** Swiper **from 'swiper'  import 'swiper/dist/css/swiper.min.css'  export default** {  mounted () {  **new** Swiper(**'.swiper-container'**, {  **pagination**: {  **el**: **'.swiper-pagination'**,  },  **loop**: **true** })  }  } </**script**> |

### 2.10.2. Search组件

|  |
| --- |
| <**template**>  <**section class="search"**>  <**header class="header"**>  <**div class="header\_title"**>  <**span class="header\_title\_text"**>搜索</**span**>  </**div**>  </**header**>  <**form class="search\_form" action="#"**>  <**input type="search" name="search" placeholder="请输入商家或美食名称" class="search\_input"**>  <**input type="submit" class="search\_submit"**>  </**form**>  </**section**> </**template**>  <**script**>  **export default** {} </**script**>  <**style lang="stylus" rel="stylesheet/stylus" scoped**>  **@import "../../common/stylus/mixins.styl"** .**search** *//搜索* **width** 100%  **height** 100%  .**header** *//头部公共css* **background-color #02a774  position fixed  z-index** 100  **left** 0  **top** 0  **width** 100%  **height** 45**px** .**header\_search  position absolute  left** 15**px  top** 50%  **transform translateY**(-50%)  **width** 10%  **height** 50%  .**iconfont  font-size** 22**px  color #fff** .**header\_title  position absolute  top** 50%  **left** 50%  **transform translate**(-50%, -50%)  **width** 30%  **color #fff  font-size** 22**px  text-align center** .**search\_form  clearFix**()  **margin-top** 45**px  background-color #fff  padding** 12**px** 8**px  input  height** 35**px  padding** 0 4**px  border-radius** 2**px  font-weight bold  outline none  &**.**search\_input  float left  width** 79%  **border** 4**px solid #f2f2f2  font-size** 14**px  color #333  background-color #f2f2f2  &**.**search\_submit  float right  width** 18%  **border** 4**px solid #02a774  font-size** 16**px  color #fff  background-color #02a774** </**style**> |

### 2.10.3. Order组件

1. 图片



1. Order.vue

|  |
| --- |
| <**template**>  <**section class="order"**>  <**header class="header"**>  <**a class="header\_title"**>  <**span class="header\_title\_text"**>订单列表</**span**>  </**a**>  </**header**>  <**section class="order\_no\_login"**>  <**img src="./images/person.png"**>  <**h3**>登录后查看外卖订单</**h3**>  <**button**>立即登陆</**button**>  </**section**>  </**section**> </**template**>  <**script**>  **export default** {} </**script**>  <**style lang="stylus" rel="stylesheet/stylus"**>  .**order** *//订单* .**header  background-color #02a774  position fixed  z-index** 100  **left** 0  **top** 0  **width** 100%  **height** 45**px** .**header\_search  position absolute  left** 15**px  top** 50%  **transform translateY**(-50%)  **width** 10%  **height** 50%  .**icon-sousuo  font-size** 25**px  color #fff** .**header\_title  position absolute  top** 50%  **left** 50%  **transform translate**(-50%, -50%)  **width** 50%  **color #fff  text-align center**  .**header\_title\_text  font-size** 20**px  color #fff  display block** .**header\_login  font-size** 14**px  color #fff  position absolute  right** 15**px  top** 50%  **transform translateY**(-50%)  .**header\_login\_text  color #fff  width** 100%  .**order\_no\_login  padding-top** 140**px  width** 60%  **margin** 0 **auto  text-align center** >**img  display block  width** 100%  **height** 30%  >**h3  padding** 10**px** 0  **font-size** 17**px  color #6a6a6a** >**button  display inline-block  background #02a774  font-size** 14**px  color #fff  border** 0  **outline none  border-radius** 5**px  padding** 10**px** 20**px** </**style**> |

### 2.10.4. Profile组件

|  |
| --- |
| <**template**>  <**section class="profile"**>  <**header class="header"**>  <**div class="header\_title"**>  <**span class="header\_title\_text"**>我的</**span**>  </**div**>  </**header**>  <**section class="profile-number"**>  <**router-link to="/login" class="profile-link"**>  <**div class="profile\_image"**>  <**i class="iconfont icon-person"**></**i**>  </**div**>  <**div class="user-info"**>  <**p class="user-info-top"**>登录/注册</**p**>  <**p**>  <**span class="user-icon"**>  <**i class="iconfont icon-shouji icon-mobile"**></**i**>  </**span**>  <**span class="icon-mobile-number"**>暂无绑定手机号</**span**>  </**p**>  </**div**>  <**span class="arrow"**>  <**i class="iconfont icon-jiantou1"**></**i**>  </**span**>  </**router-link**>  </**section**>  <**section class="profile\_info\_data border-1px"**>  <**ul class="info\_data\_list"**>  <**a href="javascript:" class="info\_data\_link"**>  <**span class="info\_data\_top"**><**span**>0.00</**span**>元</**span**>  <**span class="info\_data\_bottom"**>我的余额</**span**>  </**a**>  <**a href="javascript:" class="info\_data\_link"**>  <**span class="info\_data\_top"**><**span**>0</**span**>个</**span**>  <**span class="info\_data\_bottom"**>我的优惠</**span**>  </**a**>  <**a href="javascript:" class="info\_data\_link"**>  <**span class="info\_data\_top"**><**span**>0</**span**>分</**span**>  <**span class="info\_data\_bottom"**>我的积分</**span**>  </**a**>  </**ul**>  </**section**>  <**section class="profile\_my\_order border-1px"**>  *<!-- 我的订单 -->* <**a href='javascript:' class="my\_order"**>  <**span**>  <**i class="iconfont icon-order-s"**></**i**>  </**span**>  <**div class="my\_order\_div"**>  <**span**>我的订单</**span**>  <**span class="my\_order\_icon"**>  <**i class="iconfont icon-jiantou1"**></**i**>  </**span**>  </**div**>  </**a**>  *<!-- 积分商城 -->* <**a href='javascript:' class="my\_order"**>  <**span**>  <**i class="iconfont icon-jifen"**></**i**>  </**span**>  <**div class="my\_order\_div"**>  <**span**>积分商城</**span**>  <**span class="my\_order\_icon"**>  <**i class="iconfont icon-jiantou1"**></**i**>  </**span**>  </**div**>  </**a**>  *<!-- 硅谷外卖会员卡 -->* <**a href="javascript:" class="my\_order"**>  <**span**>  <**i class="iconfont icon-vip"**></**i**>  </**span**>  <**div class="my\_order\_div"**>  <**span**>硅谷外卖会员卡</**span**>  <**span class="my\_order\_icon"**>  <**i class="iconfont icon-jiantou1"**></**i**>  </**span**>  </**div**>  </**a**>  </**section**>  <**section class="profile\_my\_order border-1px"**>  *<!-- 服务中心 -->* <**a href="javascript:" class="my\_order"**>  <**span**>  <**i class="iconfont icon-fuwu"**></**i**>  </**span**>  <**div class="my\_order\_div"**>  <**span**>服务中心</**span**>  <**span class="my\_order\_icon"**>  <**i class="iconfont icon-jiantou1"**></**i**>  </**span**>  </**div**>  </**a**>  </**section**>  </**section**> </**template**>  <**script**>  **export default** {} </**script**>  <**style lang="stylus" rel="stylesheet/stylus" scoped**>  **@import "../../common/stylus/mixins.styl"** .**profile** *//我的* **width** 100%  .**header** *//头部公共css* **background-color #02a774  position fixed  z-index** 100  **left** 0  **top** 0  **width** 100%  **height** 45**px** .**header\_search  position absolute  left** 15**px  top** 50%  **transform translateY**(-50%)  **width** 10%  **height** 50%  .**iconfont  font-size** 22**px  color #fff** .**header\_title  position absolute  top** 50%  **left** 50%  **transform translate**(-50%, -50%)  **width** 30%  **color #fff  font-size** 22**px  text-align center** .**profile-number  margin-top** 45.5**px** .**profile-link  clearFix**()  **position relative  display block  background #02a774  padding** 20**px** 10**px** .**profile\_image  float left  width** 60**px  height** 60**px  border-radius** 50%  **overflow hidden  vertical-align top** .**icon-person  background #e4e4e4  font-size** 62**px** .**user-info  float left  margin-top** 8**px  margin-left** 15**px  p  font-weight**: 700  **font-size** 18**px  color #fff  &**.**user-info-top  padding-bottom** 8**px** .**user-icon  display inline-block  margin-left** -15**px  margin-right** 5**px  width** 20**px  height** 20**px** .**icon-mobile  font-size** 30**px  vertical-align text-top** .**icon-mobile-number  font-size** 14**px  color #fff** .**arrow  width** 12**px  height** 12**px  position absolute  right** 15**px  top** 40%  .**icon-jiantou1  color #fff  font-size** 5**px** .**profile\_info\_data  bottom-border-1px**(**#e4e4e4**)  **width** 100%  **background #fff  overflow hidden** .**info\_data\_list  clearFix**()  .**info\_data\_link  float left  width** 33%  **text-align center  border-right** 1**px solid #f1f1f1** .**info\_data\_top  display block  width** 100%  **font-size** 14**px  color #333  padding** 15**px** 5**px** 10**px  span  display inline-block  font-size** 30**px  color #f90  font-weight** 700  **line-height** 30**px** .**info\_data\_bottom  display inline-block  font-size** 14**px  color #666  font-weight** 400  **padding-bottom** 10**px** .**info\_data\_link**:**nth-of-type**(2)  .**info\_data\_top  span  color #ff5f3e** .**info\_data\_link**:**nth-of-type**(3)  **border** 0  .**info\_data\_top  span  color #6ac20b** .**profile\_my\_order  top-border-1px**(**#e4e4e4**)  **margin-top** 10**px  background #fff** .**my\_order  display flex  align-items center  padding-left** 15**px** >**span  display flex  align-items center  width** 20**px  height** 20**px** >.**iconfont  margin-left** -10**px  font-size** 30**px** .**icon-order-s  color #02a774** .**icon-jifen  color #ff5f3e** .**icon-vip  color #f90** .**icon-fuwu  color #02a774** .**my\_order\_div  width** 100%  **border-bottom** 1**px solid #f1f1f1  padding** 18**px** 10**px** 18**px** 0  **font-size** 16**px  color #333  display flex  justify-content space-between  span  display inline-block** .**my\_order\_icon  float right  width** 10**px  height** 10**px** .**icon-jiantou1  color #bbb  font-size** 10**px** </**style**> |

## 2.11. HeaderTop组件

### 2.11.1. 说明

1. 此组件会使用到slot进行组件间通信
2. slot通信是标签, 而不是单纯的数据

### 2.11.2. components/HeaderTop/HeaderTop.vue

|  |
| --- |
| <**template**>  <**header class="header"**>  <**slot name="search"**></**slot**>  <**a class="header\_title"**>  <**span class="header\_title\_text ellipsis"**>{{title}}</**span**>  </**a**>  <**slot name="login"**></**slot**>  </**header**> </**template**>  <**script**>  **export default** {  **props**: {  **title**: ***String*** }  } </**script**>  <**style lang="stylus" rel="stylesheet/stylus"**>  **@import "../../common/stylus/mixins.styl"** .**header  background-color #02a774  position fixed  z-index** 100  **left** 0  **top** 0  **width** 100%  **height** 45**px** .**header\_search  position absolute  left** 15**px  top** 50%  **transform translateY**(-50%)  **width** 10%  **height** 50%  .**icon-sousuo  font-size** 25**px  color #fff** .**header\_title  position absolute  top** 50%  **left** 50%  **transform translate**(-50%, -50%)  **width** 50%  **color #fff  text-align center**  .**header\_title\_text  font-size** 20**px  color #fff  display block** .**header\_login  font-size** 14**px  color #fff  position absolute  right** 15**px  top** 50%  **transform translateY**(-50%)  .**header\_login\_text  color #fff** </**style**> |

### 2.11.3. Msite.vue

|  |
| --- |
| <**HeaderTop title="昌平区北七家宏福科技园(337省道北)"**>  <**router-link slot="search" to="/search" class="header\_search"**>  <**i class="iconfont icon-sousuo"**></**i**>  </**router-link**>  <**router-link slot="login" to="/login" class="header\_login"**>  <**span class="header\_login\_text"**>登录|注册</**span**>  </**router-link**> </**HeaderTop**>  <**script**> **import** HeaderTop **from '../../components/HeaderTop/HeaderTop.vue'   export default** {  **components**: {  HeaderTop  }  } </**script**> |

### 2.11.4. Search.vue

|  |
| --- |
| <**HeaderTop title="搜索"**/>  <**script**>  **import** HeaderTop **from '../../components/HeaderTop/HeaderTop.vue'  export default** {  **components**: {  HeaderTop  }  } </**script**> |

### 2.11.5. Order.vue

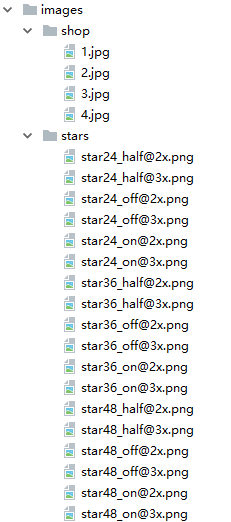
|  |
| --- |
| <**HeaderTop title="订单列表"**/>  <**script**>  **import** HeaderTop **from '../../components/HeaderTop/HeaderTop.vue'  export default** {  **components**: {  HeaderTop  }  } </**script**> |

### 2.11.6. Msite.vue

|  |
| --- |
| <**HeaderTop title="我的"**/>  <**script**>  **import** HeaderTop **from '../../components/HeaderTop/HeaderTop.vue'  export default** {  **components**: {  HeaderTop  }  } </**script**> |

## 2.12. ShopList组件(静态)

### 2.12.1. 图片资源



### 2.12.2. components/ShopList/ShopList.vue

|  |
| --- |
| <**template**>  <**div class="shop\_container"**>  <**ul class="shop\_list"**>  <**li class="shop\_li border-1px"**>  <**a**>  <**div class="shop\_left"**>  <**img class="shop\_img" src="./images/shop/1.jpg"**>  </**div**>  <**div class="shop\_right"**>  <**section class="shop\_detail\_header"**>  <**h4 class="shop\_title"** >锄禾日当午，汗滴禾下土</**h4**>  <**ul class="shop\_detail\_ul"**>  <**li class="supports"**>保</**li**>  <**li class="supports"**>准</**li**>  <**li class="supports"**>票</**li**>  </**ul**>  </**section**>  <**section class="shop\_rating\_order"**>  <**section class="shop\_rating\_order\_left"**>  <**div class="star star-24"**>  <**span class="star-item on"**></**span**>  <**span class="star-item on"**></**span**>  <**span class="star-item on"**></**span**>  <**span class="star-item half"**></**span**>  <**span class="star-item off"**></**span**>  </**div**>  <**div class="rating\_section"**>  3.6  </**div**>  <**div class="order\_section"**>  月售106单  </**div**>  </**section**>  <**section class="shop\_rating\_order\_right"**>  <**span class="delivery\_style delivery\_left"**>硅谷专送</**span**>  <**span class="delivery\_style delivery\_right"**>准时达</**span**>  </**section**>  </**section**>  <**section class="shop\_distance"**>  <**p class="shop\_delivery\_msg"**>  <**span**>¥20起送</**span**>  <**span class="segmentation"**>/</**span**>  <**span**>配送费约¥5</**span**>  </**p**>  </**section**>  </**div**>  </**a**>  </**li**>  <**li class="shop\_li border-1px"**>  <**a**>  <**div class="shop\_left"**>  <**img class="shop\_img" src="./images/shop/2.jpg"**>  </**div**>  <**div class="shop\_right"**>  <**section class="shop\_detail\_header"**>  <**h4 class="shop\_title ellipsis"** >锄禾日当午，汗滴禾下土</**h4**>  <**ul class="shop\_detail\_ul"**>  <**li class="supports"**>保</**li**>  <**li class="supports"**>准</**li**>  <**li class="supports"**>票</**li**>  </**ul**>  </**section**>  <**section class="shop\_rating\_order"**>  <**section class="shop\_rating\_order\_left"**>  <**div class="star star-24"**>  <**span class="star-item on"**></**span**>  <**span class="star-item on"**></**span**>  <**span class="star-item on"**></**span**>  <**span class="star-item on"**></**span**>  <**span class="star-item off"**></**span**>  </**div**>  <**div class="rating\_section"**>  4.1  </**div**>  <**div class="order\_section"**>  月售106单  </**div**>  </**section**>  <**section class="shop\_rating\_order\_right"**>  <**span class="delivery\_style delivery\_left"**>硅谷专送</**span**>  <**span class="delivery\_style delivery\_right"**>准时达</**span**>  </**section**>  </**section**>  <**section class="shop\_distance"**>  <**p class="shop\_delivery\_msg"**>  <**span**>¥20起送</**span**>  <**span class="segmentation"**>/</**span**>  <**span**>配送费约¥5</**span**>  </**p**>  </**section**>  </**div**>  </**a**>  </**li**>  <**li class="shop\_li border-1px"**>  <**a**>  <**div class="shop\_left"**>  <**img class="shop\_img" src="./images/shop/3.jpg"**>  </**div**>  <**div class="shop\_right"**>  <**section class="shop\_detail\_header"**>  <**h4 class="shop\_title ellipsis"** >锄禾日当午，汗滴禾下土</**h4**>  <**ul class="shop\_detail\_ul"**>  <**li class="supports"**>保</**li**>  <**li class="supports"**>准</**li**>  <**li class="supports"**>票</**li**>  </**ul**>  </**section**>  <**section class="shop\_rating\_order"**>  <**section class="shop\_rating\_order\_left"**>  <**div class="star star-24"**>  <**span class="star-item on"**></**span**>  <**span class="star-item on"**></**span**>  <**span class="star-item on"**></**span**>  <**span class="star-item off"**></**span**>  <**span class="star-item off"**></**span**>  </**div**>  <**div class="rating\_section"**>  3.2  </**div**>  <**div class="order\_section"**>  月售106单  </**div**>  </**section**>  <**section class="shop\_rating\_order\_right"**>  <**span class="delivery\_style delivery\_left"**>硅谷专送</**span**>  <**span class="delivery\_style delivery\_right"**>准时达</**span**>  </**section**>  </**section**>  <**section class="shop\_distance"**>  <**p class="shop\_delivery\_msg"**>  <**span**>¥20起送</**span**>  <**span class="segmentation"**>/</**span**>  <**span**>配送费约¥5</**span**>  </**p**>  </**section**>  </**div**>  </**a**>  </**li**>  <**li class="shop\_li border-1px"**>  <**a**>  <**div class="shop\_left"**>  <**img class="shop\_img" src="./images/shop/4.jpg"**>  </**div**>  <**div class="shop\_right"**>  <**section class="shop\_detail\_header"**>  <**h4 class="shop\_title ellipsis"** >锄禾日当午，汗滴禾下土</**h4**>  <**ul class="shop\_detail\_ul"**>  <**li class="supports"**>保</**li**>  <**li class="supports"**>准</**li**>  <**li class="supports"**>票</**li**>  </**ul**>  </**section**>  <**section class="shop\_rating\_order"**>  <**section class="shop\_rating\_order\_left"**>  <**div class="star star-24"**>  <**span class="star-item on"**></**span**>  <**span class="star-item on"**></**span**>  <**span class="star-item on"**></**span**>  <**span class="star-item half"**></**span**>  <**span class="star-item off"**></**span**>  </**div**>  <**div class="rating\_section"**>  3.6  </**div**>  <**div class="order\_section"**>  月售106单  </**div**>  </**section**>  <**section class="shop\_rating\_order\_right"**>  <**span class="delivery\_style delivery\_left"**>硅谷专送</**span**>  <**span class="delivery\_style delivery\_right"**>准时达</**span**>  </**section**>  </**section**>  <**section class="shop\_distance"**>  <**p class="shop\_delivery\_msg"**>  <**span**>¥20起送</**span**>  <**span class="segmentation"**>/</**span**>  <**span**>配送费约¥5</**span**>  </**p**>  </**section**>  </**div**>  </**a**>  </**li**>  </**ul**>  </**div**> </**template**>  <**script**>  **export default** {   } </**script**>  <**style lang="stylus" rel="stylesheet/stylus"**>  **@import "../../common/stylus/mixins.styl"** .**shop\_container  margin-bottom** 50**px** .**shop\_list** .**shop\_li  bottom-border-1px**(**#f1f1f1**)  **width** 100%  >**a  clearFix**()  **display block  box-sizing border-box  padding** 15**px** 8**px  width** 100%  .**shop\_left  float left  box-sizing border-box  width** 23%  **height** 75**px  padding-right** 10**px** .**shop\_img  display block  width** 100%  **height** 100%  .**shop\_right  float right  width** 77%  .**shop\_detail\_header  clearFix**()  **width** 100%  .**shop\_title  text\_ellipsis**()  **float left  width** 200**px  color #333  font-size** 16**px  line-height** 16**px  font-weight** 700  **&**::**before  content '品牌'  display inline-block  font-size** 11**px  line-height** 11**px  color #333  background-color #ffd930  padding** 2**px** 2**px  border-radius** 2**px  margin-right** 5**px** .**shop\_detail\_ul  float right  margin-top** 3**px** .**supports  float left  font-size** 10**px  color #999  border** 1**px solid #f1f1f1  padding** 0 2**px  border-radius** 2**px** .**shop\_rating\_order  clearFix**()  **width** 100%  **margin-top** 18**px  margin-bottom** 8**px** .**shop\_rating\_order\_left  float left  color #ff9a0d** .**star** *//2x图 3x图* **float left  font-size** 0  .**star-item  display inline-block  background-repeat no-repeat  &**.**star-48** .**star-item  width** 20**px  height** 20**px  margin-right** 22**px  background-size** 20**px** 20**px  &**:**last-child  margin-right**: 0  **&**.**on  bg-image**(**'./images/stars/star48\_on'**)  **&**.**half  bg-image**(**'./images/stars/star48\_half'**)  **&**.**off  bg-image**(**'./images/stars/star48\_off'**)  **&**.**star-36** .**star-item  width** 15**px  height** 15**px  margin-right** 6**px  background-size** 15**px** 15**px  &**:**last-child  margin-right** 0  **&**.**on  bg-image**(**'./images/stars/star36\_on'**)  **&**.**half  bg-image**(**'./images/stars/star36\_half'**)  **&**.**off  bg-image**(**'./images/stars/star36\_off'**)  **&**.**star-24** .**star-item  width** 10**px  height** 10**px  margin-right** 3**px  background-size** 10**px** 10**px  &**:**last-child  margin-right** 0  **&**.**on  bg-image**(**'./images/stars/star24\_on'**)  **&**.**half  bg-image**(**'./images/stars/star24\_half'**)  **&**.**off  bg-image**(**'./images/stars/star24\_off'**)  .**rating\_section  float left  font-size** 10**px  color #ff6000  margin-left** 4**px** .**order\_section  float left  font-size** 10**px  color #666  transform scale**(.8)  .**shop\_rating\_order\_right  float right  font-size** 0  .**delivery\_style  transform-origin** 35**px** 0  **transform scale**(.7)  **display inline-block  font-size** 12**px  padding** 1**px  border-radius** 2**px** .**delivery\_left  color #fff  margin-right** -10**px  background-color #02a774  border** 1**px solid #02a774** .**delivery\_right  color #02a774  border** 1**px solid #02a774** .**shop\_distance  clearFix**()  **width** 100%  **font-size** 12**px** .**shop\_delivery\_msg  float left  transform-origin** 0  **transform scale**(.9)  **width**: 200**px  color #666** .**segmentation  color #ccc** </**style**> |

### 2.11.3. Msite.vue

|  |
| --- |
| <**ShopList** />  **import** ShopList **from '../../components/ShopList/ShopList.vue'**  **components**: {  ShopList } |

## 2.13. Login组件(静态)

### 2.11.1. 图片资源



### 2.11.2. Login.vue

|  |
| --- |
| <**template**>  <**div class="loginContainer"**>  <**div class="loginInner"**>  <**div class="login\_header"**>  <**h2 class="login\_logo"**>硅谷外卖</**h2**>  <**div class="login\_header\_title"**>  <**a href="javascript:;" class="on"**>短信登录</**a**>  <**a href="javascript:;"**>密码登录</**a**>  </**div**>  </**div**>  <**div class="login\_content"**>  <**form**>  <**div class="on"**>  <**section class="login\_message"**>  <**input type="tel" maxlength="11" placeholder="手机号"**>  <**button disabled="disabled" class="get\_verification"** >获取验证码</**button**>  </**section**>  <**section class="login\_verification"**>  <**input type="tel" maxlength="8" placeholder="验证码"**>  </**section**>  <**section class="login\_hint"**>  温馨提示：未注册硅谷外卖帐号的手机号，登录时将自动注册，且代表已同意  <**a href="javascript:;"**>《用户服务协议》</**a**>  </**section**>  </**div**>  <**div**>  <**section**>  <**section class="login\_message"**>  <**input type="tel" maxlength="11" placeholder="手机/邮箱/用户名"**>  </**section**>  <**section class="login\_verification"**>  <**input type="tel" maxlength="8" placeholder="密码"**>  <**div class="switch\_button off"**>  <**div class="switch\_circle"**></**div**>  <**span class="switch\_text"**>...</**span**>  </**div**>  </**section**>  <**section class="login\_message"**>  <**input type="text" maxlength="11" placeholder="验证码"**>  <**img class="get\_verification" src="./images/captcha.svg" alt="captcha"**>  </**section**>  </**section**>  </**div**>  <**button class="login\_submit"**>登录</**button**>  </**form**>  <**a href="javascript:;" class="about\_us"**>关于我们</**a**>  </**div**>  <**span href="javascript:" class="go\_back" @click="**$router.back()**"**>  <**i class="iconfont icon-jiantou2"**></**i**>  </**span**>  </**div**>  </**div**> </**template**>  <**script**>  **export default** {   } </**script**>  <**style lang="stylus" rel="stylesheet/stylus" scoped**>  **@import "../../common/stylus/mixins.styl"** .**loginContainer  width** 100%  **height** 100%  **background #fff** .**loginInner  padding-top** 60**px  width** 80%  **margin** 0 **auto** .**login\_header** .**login\_logo  font-size** 40**px  font-weight bold  color #02a774  text-align center** .**login\_header\_title  padding-top** 40**px  text-align center** >**a  color #333  font-size** 14**px  padding-bottom** 4**px  &**:**first-child  margin-right** 40**px  &**.**on  color #02a774  font-weight** 700  **border-bottom** 2**px solid #02a774** .**login\_content** >**form** >**div  display none  &**.**on  display block  input  width** 100%  **height** 100%  **padding-left** 10**px  box-sizing border-box  border** 1**px solid #ddd  border-radius** 4**px  outline** 0  **font** 400 14**px Arial  &**:**focus  border** 1**px solid #02a774** .**login\_message  position relative  margin-top** 16**px  height** 48**px  font-size** 14**px  background #fff** .**get\_verification  position absolute  top** 50%  **right** 10**px  transform translateY**(-50%)  **border** 0  **color #ccc  font-size** 14**px  background transparent** .**login\_verification  position relative  margin-top** 16**px  height** 48**px  font-size** 14**px  background #fff** .**switch\_button  font-size** 12**px  border** 1**px solid #ddd  border-radius** 8**px  transition background-color** .3**s**,**border-color** .3**s  padding** 0 6**px  width** 30**px  height** 16**px  line-height** 16**px  color #fff  position absolute  top** 50%  **right** 10**px  transform translateY**(-50%)  **&**.**off  background #fff** .**switch\_text  float right  color #ddd  &**.**on  background #02a774** >.**switch\_circle** *//transform translateX(27px)* **position absolute  top** -1**px  left** -1**px  width** 16**px  height** 16**px  border** 1**px solid #ddd  border-radius** 50%  **background #fff  box-shadow** 0 2**px** 4**px** 0 **rgba**(0,0,0,.1)  **transition transform** .3**s** .**login\_hint  margin-top** 12**px  color #999  font-size** 14**px  line-height** 20**px** >**a  color #02a774** .**login\_submit  display block  width** 100%  **height** 42**px  margin-top** 30**px  border-radius** 4**px  background #4cd96f  color #fff  text-align center  font-size** 16**px  line-height** 42**px  border** 0  .**about\_us  display block  font-size** 12**px  margin-top** 20**px  text-align center  color #999** .**go\_back  position absolute  top** 5**px  left** 5**px  width** 30**px  height** 30**px** >.**iconfont  font-size** 20**px  color #999** </**style**> |

### 2.11.3. 注册Login路由

1. router/index.js

|  |
| --- |
| **import** Login **from '../pages/Login/Login.vue'**  {  **path**: **'/login'**,  **component**: Login } |

### 2.11.4. profile.vue

|  |
| --- |
| <**router-link to="/login" class="profile-link"**>  <**div class="profile\_image"**>  <**i class="iconfont icon-person"**></**i**>  </**div**>  <**div class="user-info"**>  <**p class="user-info-top"**>登录/注册</**p**>  <**p**>  <**span class="user-icon"**>  <**i class="iconfont icon-shouji icon-mobile"**></**i**>  </**span**>  <**span class="icon-mobile-number"**>暂无绑定手机号</**span**>  </**p**>  </**div**>  <**span class="arrow"**>  <**i class="iconfont icon-jiantou1"**></**i**>  </**span**> </**router-link**> |

### 2.11.5. 控制Footer的显示隐藏

1. router/index

|  |
| --- |
| **export default new** VueRouter({  **routes**: [  {  **path**: **'/'**,  **redirect**: **'/msite'** },  {  **path**: **'/msite'**,  **component**: Msite,  **meta**: {  **showFooter**: **true** }  },  {  **path**: **'/search'**,  **component**: Search,  **meta**: {  **showFooter**: **true** }  },  {  **path**: **'/order'**,  **component**: Order,  **meta**: {  **showFooter**: **true** }  },  {  **path**: **'/profile'**,  **component**: Profile,  **meta**: {  **showFooter**: **true** }  },  {  **path**: **'/login'**,  **component**: Login  }  ] }) |

1. App.vue

|  |
| --- |
| <**FooterGuide v-show="**$route.meta.**showFooter"**></**FooterGuide**> |

## 2.14. 后台应用

### 2.14.1. 说明

1. 咱们的项目是一个前后台分离的项目: 前台应用与后台应用
2. 后台应用负责处理前台应用提交的请求, 并给前台应用返回json数据
3. 前台应用负责展现数据, 与用户交互, 与后台应用交互

### 2.14.2. 运行后台应用

1. 确保启动mongodb服务
2. 启动服务器应用: npm start

### 2.14.3. API接口文档

|  |
| --- |
| # 接口文档  ## 目录： [1、根据经纬度获取位置详情](#1根据经纬度获取位置详情)<br/> [2、获取食品分类列表](#2获取食品分类列表)<br/> [3、根据经纬度获取商铺列表](#3根据经纬度获取商铺列表)<br/> [4、根据经纬度和关键字搜索商铺列表](#4根据经纬度和关键字搜索商铺列表)<br/> [5、获取一次性验证码](#5获取一次性验证码)<br/> [6、用户名密码登陆](#6用户名密码登陆)<br/> [7、发送短信验证码](#7发送短信验证码)<br/> [8、手机号验证码登陆](#8手机号验证码登陆)<br/> [9、根据会话获取用户信息](#9根据会话获取用户信息)<br/> [10、用户登出](#10用户登出)<br/>  ## 1、根据经纬度获取位置详情       ### 请求URL：     http://localhost:3000/position/:geohash  ### 示例： [http://localhost:3000/position/40.10038,116.36867](http://localhost:3000/position/40.10038,116.36867)  ### 请求方式：     GET  ### 参数类型：param      |参数        |是否必选 |类型     |说明     |geohash    |Y       |string   |经纬度  ### 返回示例：      {       "code": 0,       "data": {         "address": "北京市昌平区337省道",         "city": "北京市",         "geohash": "40.10038,116.36867",         "latitude": "40.10038",         "longitude": "116.36867",         "name": "昌平区北七家宏福科技园(337省道北)"       }     }  ## 2、获取食品分类列表  ### 请求URL：     http://localhost:3000/index\_category  ### 请求方式：     GET  ### 参数类型：     无  ### 返回示例：     {       "code": 0,       data: [               {                 id: 1,                 is\_in\_serving: true,                 description: "0元早餐0起送，每天都有新花样。",                 title: "预订早餐",                 link: "",                 image\_url: "/d/49/7757ff22e8ab28e7dfa5f7e2c2692jpeg.jpeg",                 icon\_url: "",                 title\_color: "",                 \_\_v: 0               },               {                 id: 65,                 is\_in\_serving: true,                 description: "",                 title: "土豪推荐",                 image\_url: "/d/49/7757ff22e8ab28e7dfa5f7e2c2692jpeg.jpeg",                 link: "",                 icon\_url: "",                 title\_color: "",                 \_\_v: 0               },               ... 共n条数据             ]     }   ## 3、根据经纬度获取商铺列表  ### 请求URL：     http://localhost:3000/shops  ### 示例： [http://localhost:3000/shops?latitude=40.10038&longitude=116.36867](http://localhost:3000/shops?latitude=40.10038&longitude=116.36867)  ### 请求方式：     GET  ### 参数类型：query     |参数          |是否必选  |类型     |说明|     |latitude      |Y        |string   |纬度|     |longitude     |Y       |string    |经度|  ### 返回示例：     {       "code": 0,       data: [               {                 name: "肯德基",                 address: "上海市宝山区淞宝路155弄18号星月国际商务广场1层",                 id: 1,                 latitude: 31.38098,                 longitude: 121.50146,                 location: [                   121.50146,                   31.38098                 ],                 phone: "1232313124324",                 category: "快餐便当/简餐",                 supports: [                   {                     description: "已加入“外卖保”计划，食品安全有保障",                     icon\_color: "999999",                     icon\_name: "保",                     id: 7,                     name: "外卖保",                     \_id: "591bec73c2bbc84a6328a1e5"                   }                 ],                 status: 0,                 recent\_order\_num: 615,                 rating\_count: 389,                 rating: 1.6,                 promotion\_info: "他依然有人有人有人有人有人",                 piecewise\_agent\_fee: {                   tips: "配送费约¥5"                 },                 opening\_hours: [                   "8:30/20:30"                 ],                 license: {                   catering\_service\_license\_image: "",                   business\_license\_image: ""                 },                 is\_new: true,                 is\_premium: true,                 image\_path: "/img/shop/15c1513a00615.jpg",                 identification: {                   registered\_number: "",                   registered\_address: "",                   operation\_period: "",                   licenses\_scope: "",                   licenses\_number: "",                   licenses\_date: "",                   legal\_person: "",                   identificate\_date: null,                   identificate\_agency: "",                   company\_name: ""                 },                 float\_minimum\_order\_amount: 20,                 float\_delivery\_fee: 5,                 distance: "19.5公里",                 order\_lead\_time: "40分钟",                 description: "好吃的",                 delivery\_mode: {                   color: "57A9FF",                   id: 1,                   is\_solid: true,                   text: "蜂鸟专送"                 },                 activities: [                   {                     icon\_name: "减",                     name: "满减优惠",                     description: "满30减5，满60减8",                     icon\_color: "f07373",                     id: 1,                     \_id: "591bec73c2bbc84a6328a1e7"                   }                 ],               }             ]     }   ## 4、根据经纬度和关键字搜索商铺列表  ### 请求URL：     http://localhost:3000/search\_shops     例子: http://localhost:3000/search\_shops?keyword=test&geohash=40.10038,116.36867      ### 请求方式：     GET  ### 参数类型：query     |参数          |是否必选  |类型     |说明|     |geohash      |Y       |string    |经纬度     |keyword      |Y       |string    |关键字  ### 返回示例：     {       "code": 0,       "data": [         {           "name": "test\_shop",           "address": "广东省广州市海珠区马涌直街20号",           "id": 1196,           "latitude": 23.09499,           "longitude": 113.26166,           "location": [             113.26166,             23.09499           ],           "phone": "18320326523",           "category": "鲜花蛋糕/面包",           "supports": [             {               "description": "准时必达，超时秒赔",               "icon\_color": "57A9FF",               "icon\_name": "准",               "id": 9,               "name": "准时达",               "\_id": "5ad00b4febf543051ea2e5f6"             },             {               "description": "该商家支持开发票，请在下单时填写好发票抬头",               "icon\_color": "999999",               "icon\_name": "票",               "id": 4,               "name": "开发票",               "\_id": "5ad00b4febf543051ea2e5f5"             }           ],           "status": 1,           "recent\_order\_num": 444,           "rating\_count": 246,           "rating": 4,           "promotion\_info": "便靓正",           "piecewise\_agent\_fee": {             "tips": "配送费约¥5"           },           "opening\_hours": [             "09:00/21:30"           ],           "license": {             "catering\_service\_license\_image": "162bcabb96f9264.jpg",             "business\_license\_image": "162bcabb9869263.jpg"           },           "is\_new": true,           "is\_premium": true,           "image\_path": "162bcab6f889262.jpg",           "identification": {             "registered\_number": "",             "registered\_address": "",             "operation\_period": "",             "licenses\_scope": "",             "licenses\_number": "",             "licenses\_date": "",             "legal\_person": "",             "identificate\_date": null,             "identificate\_agency": "",             "company\_name": ""           },           "float\_minimum\_order\_amount": 20,           "float\_delivery\_fee": 5,           "distance": "2124.6公里",           "order\_lead\_time": "31小时27分钟",           "description": "普通商店",           "delivery\_mode": {             "color": "57A9FF",             "id": 1,             "is\_solid": true,             "text": "蜂鸟专送"           },           "activities": [             {               "icon\_name": "减",               "name": "满减优惠",               "description": "参加活动满减优惠",               "icon\_color": "f07373",               "id": 1,               "\_id": "5ad00b4febf543051ea2e5f7"             }           ],           "\_\_v": 0         },         {           "name": "test",           "address": "浙江省杭州市余杭区高教路阿里巴巴西溪园区2号楼",           "id": 1271,           "latitude": 30.27817,           "longitude": 120.022003,           "location": [             120.022003,             30.27817           ],           "phone": "111",           "category": "快餐便当/简餐",           "supports": [             {               "description": "已加入“外卖保”计划，食品安全有保障",               "icon\_color": "999999",               "icon\_name": "保",               "id": 7,               "name": "外卖保",               "\_id": "5ad7101aebf543051ea30192"             },             {               "description": "准时必达，超时秒赔",               "icon\_color": "57A9FF",               "icon\_name": "准",               "id": 9,               "name": "准时达",               "\_id": "5ad7101aebf543051ea30191"             },             {               "description": "该商家支持开发票，请在下单时填写好发票抬头",               "icon\_color": "999999",               "icon\_name": "票",               "id": 4,               "name": "开发票",               "\_id": "5ad7101aebf543051ea30190"             }           ],           "status": 1,           "recent\_order\_num": 820,           "rating\_count": 305,           "rating": 4.2,           "promotion\_info": "111",           "piecewise\_agent\_fee": {             "tips": "配送费约¥5"           },           "opening\_hours": [             "05:30/05:45"           ],           "license": {             "catering\_service\_license\_image": "162d816cf909817.png",             "business\_license\_image": "162d816c82e9816.png"           },           "is\_new": true,           "is\_premium": true,           "image\_path": "162d81696a79815.png",           "identification": {             "registered\_number": "",             "registered\_address": "",             "operation\_period": "",             "licenses\_scope": "",             "licenses\_number": "",             "licenses\_date": "",             "legal\_person": "",             "identificate\_date": null,             "identificate\_agency": "",             "company\_name": ""           },           "float\_minimum\_order\_amount": 20,           "float\_delivery\_fee": 5,           "distance": "1265.1公里",           "order\_lead\_time": "18小时13分钟",           "description": "111",           "delivery\_mode": {             "color": "57A9FF",             "id": 1,             "is\_solid": true,             "text": "蜂鸟专送"           },           "activities": [],           "\_\_v": 0         }       ]     }  ## 5、获取一次性验证码       ### 请求URL：     http://localhost:3000/captcha  ### 请求方式：     GET  ### 返回示例：     <svg xmlns="http://www.w3.org/2000/svg" width="150" height="50">       <path d="M18 7 C93 15,83 48,133 44" stroke="#76dfdf" fill="none"/>       <path fill="#a18ae4"             d="M53.11 33.27L53.16 33.32L53.18 33.33Q53.05 36.18 51.87 40.82L51.89 40.84L51.77 40.72Q49.99 41.26 48.39 42.06L48.36 42.03L48.47 42.14Q51.12 35.15 50.85 27.73L50.88 27.76L50.85 27.73Q50.49 20.25 47.41 13.51L47.30 13.41L47.43 13.54Q49.38 14.80 51.25 15.37L51.33 15.45L51.28 15.40Q53.46 22.42 53.46 29.09L53.35 28.97L53.35 28.97Q53.44 30.51 53.37 31.99L53.34 31.97L53.36 31.99Q54.48 30.75 59.70 25.80L59.75 25.86L59.57 25.68Q60.68 25.68 61.67 25.61L61.70 25.63L63.71 25.40L63.84 25.52Q60.61 28.47 56.31 32.24L56.39 32.32L56.35 32.28Q59.74 35.05 66.21 40.88L66.11 40.78L66.23 40.90Q63.58 40.08 60.61 39.89L60.53 39.81L60.47 39.75Q57.99 37.69 53.12 33.27ZM63.09 42.52L63.13 42.55L62.99 42.42Q67.71 43.26 70.84 45.20L70.94 45.30L70.98 45.34Q69.76 44.01 67.13 41.61L67.05 41.53L67.14 41.62Q67.37 41.70 67.64 41.81L67.55 41.73L67.48 41.66Q65.45 39.70 63.20 37.80L63.27 37.87L58.88 34.01L58.91 34.04Q63.71 29.66 66.15 26.77L66.23 26.86L66.22 26.84Q64.97 26.88 62.49 27.15L62.60 27.26L62.45 27.11Q64.01 25.63 64.70 24.79L64.82 24.91L64.88 24.97Q61.94 25.30 59.46 25.30L59.64 25.48L59.47 25.31Q58.22 26.77 55.48 29.43L55.39 29.34L55.43 29.37Q55.33 23.49 54.34 17.67L54.38 17.71L54.31 17.63Q53.64 17.50 52.16 17.24L52.28 17.36L52.26 17.34Q52.14 16.65 51.69 15.16L51.53 15.01L51.56 15.03Q48.88 14.19 46.63 12.62L46.78 12.77L46.70 12.69Q50.15 19.52 50.49 27.63L50.42 27.56L50.49 27.63Q50.83 35.55 47.83 42.79L47.78 42.74L47.74 42.70Q48.60 42.57 49.93 41.93L49.81 41.80L49.79 41.78Q49.53 42.59 48.88 44.03L49.02 44.17L48.86 44.01Q51.85 43.08 53.98 42.70L53.84 42.56L53.81 42.53Q54.42 40.05 54.91 35.79L55.07 35.95L55.05 35.93Q57.70 38.23 63.14 42.57Z"/>       <path d="M6 10 C81 37,86 26,136 21" stroke="#44d8b3" fill="none"/>       <path fill="#a5ec5f"             d="M32.52 41.02L32.37 40.87L32.40 40.89Q31.11 39.22 29.81 36.14L29.84 36.17L27.66 30.98L27.72 31.04Q26.21 35.12 25.60 36.42L25.47 36.29L25.51 36.33Q24.06 39.25 22.46 41.16L22.45 41.15L22.46 41.16Q22.11 41.19 21.34 41.30L21.27 41.23L21.35 41.30Q21.26 33.79 15.44 27.86L15.45 27.86L15.50 27.91Q13.70 26.04 11.68 24.56L11.73 24.60L11.84 24.71Q13.54 25.12 15.40 25.42L15.46 25.48L15.57 25.59Q21.54 30.46 22.99 36.70L23.05 36.76L23.01 36.72Q23.89 34.87 25.07 31.67L24.99 31.58L25.05 31.64Q26.50 27.99 27.07 26.69L27.02 26.65L28.30 26.51L28.32 26.54Q29.16 28.21 30.34 31.49L30.38 31.53L30.35 31.50Q31.66 35.13 32.31 36.54L32.34 36.58L32.40 36.63Q34.26 30.38 39.74 25.81L39.66 25.73L39.63 25.70Q40.87 25.65 43.61 25.08L43.71 25.18L43.66 25.13Q35.06 31.18 33.88 41.16L33.86 41.14L33.13 40.94L33.17 40.98Q32.74 40.86 32.40 40.90ZM35.44 43.41L37.42 43.52L37.56 43.66Q37.21 42.09 37.21 40.57L37.10 40.46L37.10 40.45Q37.10 37.22 38.51 33.99L38.60 34.08L38.58 34.05Q40.62 29.59 44.73 26.51L44.70 26.48L44.67 26.44Q43.38 26.64 41.51 26.98L41.57 27.03L41.52 26.98Q43.55 25.40 44.84 24.48L44.93 24.57L42.45 25.06L42.41 25.02Q41.14 25.20 39.81 25.35L39.85 25.39L39.72 25.26Q34.67 29.61 32.73 34.64L32.63 34.54L32.64 34.55Q32.02 32.41 30.65 28.14L30.75 28.24L30.68 28.18Q30.35 28.18 30.08 28.18L30.10 28.20L29.51 28.15L29.51 28.15Q29.49 27.94 28.69 26.19L28.62 26.12L26.60 26.15L26.52 26.07Q25.59 28.91 23.50 34.54L23.45 34.50L23.45 34.50Q22.30 30.99 19.22 27.72L19.12 27.61L19.15 27.64Q18.77 27.53 18.46 27.49L18.62 27.65L17.99 27.48L18.01 27.49Q17.15 26.67 15.36 25.07L15.35 25.06L15.45 25.17Q12.20 24.43 10.53 23.94L10.61 24.02L10.53 23.94Q21.22 31.35 20.83 41.66L20.89 41.72L20.95 41.78Q21.11 41.75 21.47 41.71L21.49 41.73L21.49 41.73Q21.72 41.56 21.91 41.56L21.91 41.56L22.08 41.73Q22.05 41.55 22.24 43.64L22.18 43.59L24.03 43.33L24.12 43.42Q26.62 40.52 28.86 34.77L28.97 34.87L28.92 34.83Q30.36 38.62 32.22 41.29L32.28 41.35L32.34 41.40Q32.61 41.34 32.88 41.36L32.81 41.29L32.90 41.37Q33.08 41.31 33.34 41.31L33.48 41.44L35.37 43.33Z"/>       <path fill="#97e7d3"             d="M82.61 40.36L82.61 40.36L82.57 40.32Q81.12 40.35 79.56 39.93L79.54 39.91L79.61 39.98Q78.47 39.15 78.32 37.51L78.26 37.46L78.34 37.53Q78.27 37.31 78.46 34.68L78.48 34.70L78.49 34.71Q79.49 34.50 81.51 34.12L81.52 34.13L81.35 34.91L81.30 34.86Q81.02 36.59 82.43 37.17L82.34 37.08L82.37 37.11Q83.27 37.56 85.37 37.56L85.20 37.39L85.32 37.51Q86.86 37.30 87.05 37.23L87.16 37.33L87.16 37.33Q88.07 37.17 88.79 36.68L88.68 36.57L88.68 36.57Q90.22 35.75 90.03 33.65L89.84 33.47L89.95 33.57Q89.74 31.12 88.01 29.56L87.93 29.48L88.09 29.64Q86.22 27.94 83.75 27.94L83.80 27.99L83.88 27.85L83.82 27.78Q84.11 27.66 84.99 27.58L85.12 27.72L85.01 27.60Q86.91 27.48 88.28 26.25L88.26 26.23L88.36 26.33Q89.74 25.11 89.90 23.24L89.82 23.16L89.89 23.23Q89.85 22.77 89.85 22.43L89.90 22.48L89.88 22.46Q89.91 20.97 88.54 20.05L88.53 20.05L88.62 20.14Q87.42 19.36 85.82 19.47L85.81 19.46L85.67 19.32Q84.40 19.19 83.18 19.61L83.19 19.62L83.23 19.66Q81.87 20.28 81.57 21.42L81.55 21.41L81.40 21.25Q81.35 22.16 81.42 22.92L81.29 22.78L81.39 22.88Q80.29 22.58 78.23 21.85L78.30 21.93L78.23 21.85Q78.14 20.32 78.18 19.48L78.12 19.42L78.10 19.40Q78.20 17.87 79.27 17.18L79.21 17.12L79.28 17.19Q80.66 16.56 82.26 16.56L82.35 16.65L82.31 16.61Q85.41 16.51 88.57 16.78L88.60 16.80L88.60 16.81Q93.62 17.19 93.32 20.95L93.35 20.99L93.30 20.94Q93.32 22.51 92.82 24.07L92.86 24.11L92.79 24.04Q91.85 27.09 89.49 28.01L89.59 28.11L89.59 28.11Q92.13 28.56 92.74 31.91L92.80 31.97L92.67 31.84Q92.91 32.99 92.99 35.01L93.09 35.11L93.01 35.03Q93.15 39.47 88.54 39.93L88.64 40.03L88.53 39.92Q87.98 40.17 82.69 40.43ZM87.88 42.66L87.72 42.50L87.87 42.65Q88.36 42.57 91.22 42.65L91.36 42.79L91.24 42.67Q93.01 42.76 94.64 42.11L94.71 42.18L94.65 42.12Q95.78 41.11 95.59 39.36L95.57 39.35L95.64 39.42Q95.60 38.15 95.29 36.40L95.17 36.28L95.25 36.36Q94.44 31.78 92.50 30.14L92.57 30.22L92.47 29.92L92.38 29.80L92.39 29.81Q94.07 28.29 94.83 23.91L94.95 24.03L94.82 23.90Q94.87 23.46 94.99 22.51L94.94 22.46L94.98 22.50Q95.16 21.85 95.09 21.16L94.92 20.99L94.99 21.06Q94.90 19.46 93.61 18.77L93.61 18.77L93.40 18.64L93.43 18.66Q93.09 17.64 91.94 17.10L92.09 17.25L91.97 17.13Q90.47 16.46 85.33 16.16L85.41 16.25L85.43 16.26Q83.70 16.13 82.10 16.13L82.19 16.22L82.13 16.16Q80.43 16.06 78.91 16.71L79.02 16.82L78.89 16.69Q77.84 17.62 77.84 19.37L77.70 19.23L77.85 19.37Q77.75 18.86 78.01 22.21L78.03 22.22L78.02 22.22Q78.27 22.23 79.90 22.84L79.98 22.92L79.89 22.83Q80.00 23.48 79.97 23.97L79.89 23.90L79.87 23.88Q79.94 24.44 79.97 24.97L80.00 24.99L79.90 24.89Q81.77 25.35 83.79 25.47L83.78 25.46L83.73 25.41Q83.61 23.35 84.71 22.51L84.80 22.60L84.81 22.61Q85.72 22.04 87.74 21.81L87.76 21.83L87.75 21.82Q88.82 21.74 89.39 21.93L89.44 21.99L89.41 21.95Q89.49 22.12 89.53 22.23L89.49 22.19L89.41 22.29L89.62 22.96L89.63 22.97Q89.51 23.05 89.48 23.20L89.58 23.30L89.61 23.33Q89.41 24.93 87.89 26.11L87.90 26.11L87.99 26.21Q87.07 27.12 85.06 27.31L85.04 27.29L84.99 27.24Q84.17 27.30 83.30 27.30L83.31 27.31L83.32 27.32Q83.37 27.68 83.52 28.36L83.67 28.52L83.60 28.44Q85.27 28.36 86.72 29.08L86.82 29.19L86.58 29.06L85.21 29.44L85.13 29.36Q85.11 29.65 85.23 30.26L85.23 30.26L85.29 30.32Q87.47 30.30 89.19 31.63L89.06 31.51L89.02 31.46Q89.41 32.01 89.72 33.64L89.61 33.53L89.57 33.50Q89.79 36.46 86.86 36.88L86.96 36.98L86.92 36.94Q84.75 37.12 84.17 37.09L84.30 37.21L84.13 37.04Q83.87 37.13 83.34 37.05L83.27 36.98L83.22 36.48L83.40 36.08L83.48 35.75L83.53 35.45L83.34 35.27Q82.47 35.42 81.67 35.61L81.58 35.52L81.73 35.67Q81.74 35.49 81.74 35.30L81.70 35.26L81.70 35.26Q81.73 35.06 81.73 34.84L81.78 34.88L81.72 34.82Q81.68 34.33 81.84 33.61L81.89 33.66L81.85 33.62Q80.06 33.92 78.19 34.27L78.21 34.29L78.24 34.31Q78.06 34.63 77.95 35.75L78.05 35.86L78.08 35.88Q77.85 36.89 77.85 37.50L77.89 37.54L77.85 37.50Q77.95 39.58 79.32 40.34L79.43 40.45L79.40 40.42Q80.86 42.68 85.58 42.49L85.52 42.43L85.50 42.41Q86.20 42.34 87.72 42.50Z"/>       <path fill="#e43ee4"             d="M115.54 40.11L115.59 40.16L113.14 33.25L113.17 33.29Q108.85 20.74 102.91 14.35L102.96 14.40L102.90 14.33Q104.99 15.47 107.58 16.08L107.53 16.03L107.59 16.09Q112.75 22.40 117.09 35.15L117.02 35.08L117.09 35.15Q120.09 26.99 120.77 25.40L120.80 25.42L120.82 25.44Q123.19 19.82 126.01 16.51L125.88 16.38L125.84 16.33Q127.96 16.02 130.59 15.14L130.67 15.23L130.60 15.16Q126.13 19.87 123.09 27.10L123.06 27.08L122.98 26.99Q121.68 30.76 117.99 40.27L117.88 40.17L117.97 40.26Q117.41 40.26 116.84 40.23L116.86 40.25L116.73 40.12Q116.16 40.12 115.59 40.16ZM120.66 42.64L120.66 42.64L120.65 42.63Q123.37 32.56 124.93 28.52L124.95 28.54L124.91 28.50Q128.05 20.95 132.47 16.08L132.41 16.02L132.41 16.01Q131.30 16.32 129.21 17.04L129.20 17.03L130.52 15.88L130.34 15.70Q130.96 15.06 131.57 14.41L131.54 14.39L131.67 14.52Q128.85 15.51 125.85 16.08L125.84 16.07L125.76 15.99Q121.37 21.31 117.49 32.77L117.53 32.81L117.48 32.76Q113.78 22.59 110.58 18.21L110.61 18.24L110.77 18.39Q110.27 18.20 109.40 18.05L109.32 17.98L109.48 18.13Q109.19 17.70 107.59 15.64L107.61 15.66L107.67 15.72Q104.67 14.97 101.97 13.56L101.97 13.55L101.94 13.52Q108.58 20.62 112.95 33.41L112.84 33.30L112.83 33.28Q114.15 37.05 115.33 40.62L115.33 40.62L115.30 40.59Q115.79 40.78 116.63 40.67L116.60 40.64L116.53 40.57Q116.89 41.27 117.57 42.60L117.54 42.57L117.55 42.58Q118.32 42.44 119.05 42.51L119.07 42.54L119.07 42.53Q119.98 42.72 120.74 42.72Z"/>     </svg>   ## 6、用户名密码登陆       ### 请求URL：     http://localhost:3000/login\_pwd  ### 请求方式：     POST  ### 参数类型: 请求体      |参数        |是否必选 |类型     |说明     |name       |Y       |string   |用户名     |pwd        |Y       |string   |密码  ### 返回示例：     \* 登陆成功       {         "code": 0,         "data": {           "\_id": "5a9cd9c6ad5b2d34d42b385d",           "name": "aaa"         }       }     \* 登陆失败       {         "code": 1,         "msg": "用户名或密码不正确!"       }   ## 7、发送短信验证码       ### 请求URL：     http://localhost:3000/sendcode  ### 示例： [http://localhost:3000/sendcode?phone=13716962779](http://localhost:3000/sendcode?phone=13716962779)  ### 请求方式：     GET  ### 参数类型: query      |参数        |是否必选 |类型     |说明     |phone       |Y       |string   |手机号  ### 返回示例：       {         "code": 0,       }               ## 8、手机号验证码登陆       ### 请求URL：     http://localhost:3000/login\_sms  ### 请求方式：     POST  ### 参数类型: 请求体      |参数        |是否必选 |类型     |说明     |phone       |Y       |string   |手机号     |code        |Y       |string   |验证码  ### 返回示例：     \* 登陆成功       {         "code": 0,         "data": {           "\_id": "5a9cd9c6ad5b2d34d42b385d",           "phone": "13716962779"         }       }     \* 登陆失败       {         "code": 1,         "msg": "手机号或验证码不正确"       }        ### 9、根据会话获取用户信息  #### 请求URL：     http://localhost:3000/userinfo  #### 请求方式：     GET  #### 返回示例：     \* 获取成功       {         "code": 0,         "data": {           "\_id": "5a9cd9c6ad5b2d34d42b385d",           "phone": "13716962779"         }       }     \* 获取失败       {         "code": 1,         "msg": "请先登陆"       }         ### 10、用户登出  #### 请求URL：     http://localhost:3000/logout  #### 请求方式：     GET  #### 返回示例：     {code: 0} |

### 2.14.4. 使用postman工具测试接口

1. postman是用来测试API接口的工具
2. postman也是一个活接口文档

## 2.15. 前后台交互ajax

### 2.15.1. 下载依赖包

|  |
| --- |
| npm install --save axios |

### 2.15.2. 封装ajax请求模块

1. api/ajax.js

|  |
| --- |
| */\* ajax请求函数模块  \*/* **import** axios **from 'axios'  export default function** ajax(url = **''**, data = {}, type = **'GET'**) {  **return new** Promise(**function** (resolve, reject) {   **let** promise   **if** (type === **'GET'**) {  *// 准备url query参数数据* **let** dataStr = **''** *//数据拼接字符串* Object.keys(data).forEach(key => {  dataStr += key + **'='** + data[key] + **'&'** })  **if** (dataStr !== **''**) {  dataStr = dataStr.substring(0, dataStr.lastIndexOf(**'&'**))  url = url + **'?'** + dataStr  }  *// 发送get请求* promise = axios.get(url)  } **else** {  *// 发送post请求* promise = axios.post(url, data)  }   promise.**then**(response => {  resolve(response.**data**)  })  .catch(error => {  reject(error)  })  }) } |

1. api/index.js

|  |
| --- |
| */\* 与后台交互模块  \*/* **import** *ajax* **from './ajax'** */\*\*  \* 获取地址信息(根据经纬度串)  \*/* **export const** *reqAddress* = geohash => *ajax*(**'/api/position/'** + geohash)  */\*\*  \* 获取msite页面食品分类列表  \*/* **export const** *reqCategorys* = () => *ajax*(**'/api/index\_category'**)  */\*\*  \* 获取msite商铺列表(根据经纬度)  \*/* **export const** *reqShops* = ({latitude, longitude}) => *ajax*(**'/api/shops'**, {latitude, longitude})  */\*\*  \* 获取图片验证码  \*/* **export const** *reqCaptchas* = () => *ajax*(**'/api/captchas'**)  */\*\*  \* 账号密码登录  \*/* **export const** *accountLogin* = (name, pwd, captcha) => *ajax*(**'/api/login\_pwd'**, {  name,  pwd,  captcha }, **'POST'**)  */\*\*  \* 获取短信验证码  \*/* **export const** *mobileCode* = phone => *ajax*(**'/api/sendcode'**, {phone})  */\*\*  \* 手机号验证码登录  \*/* **export const** *phoneLogin* = (phone, code) => *ajax*(**'/api/login\_sms'**, {phone, code}, **'POST'**)  */\*\*  \* 获取用户信息(根据会话)  \*/* **export const** *reqUser* = () => *ajax*(**'/api/userinfo'**) |

### 2.15.3. 配置代理

config/index.js

|  |
| --- |
| **proxyTable**: {  **'/api'**: { *// 匹配所有以 '/api'开头的请求路径* **target**: **'http://localhost:3000'**, *// 代理目标的基础路径* **changeOrigin**: **true**, *// 支持跨域* **pathRewrite**: {*// 重写路径: 去掉路径中开头的'/api'* **'^/api'**: **''** }  } } |

## 2.16. 使用vuex管理状态

### 2.16.1. 下载vuex

|  |
| --- |
| **npm install --save vuex** |

### 2.16.2. 定义state

* store/state.js

|  |
| --- |
| **export default** {  **latitude**: 40.10038, *// 纬度* **longitude**: 116.36867, *// 经度* **address**: {}, *// 地址信息对象* **categorys**: [], *// 分类数组* **shops**: [], *//商家数组* } |

### 2.16.3. 定义mutation-types

* store/mutation-types.js

|  |
| --- |
| */\* mutation type常量名称模块  \*/* **export const** RECEIVE\_ADDRESS = **'receive\_address'** *// 接收地址信息* **export const** RECEIVE\_CATEGORYS = **'receive\_categorys'** *// 接收分类数组* **export const** RECEIVE\_SHOPS = **'receive\_shops'** *// 接收商家数组* |

### 2.16.4. 定义mutations

* store/mutations.js

|  |
| --- |
| */\* vuex的mutations模块  \*/*  **import** {  RECEIVE\_ADDRESS,  RECEIVE\_CATEGORYS,  RECEIVE\_SHOPS } **from './mutation-types'  export default** {  [RECEIVE\_ADDRESS](state, {address}) {  state.**address** = address  },  [RECEIVE\_CATEGORYS](state, {categorys}) {  state.**categorys** = categorys  },  [RECEIVE\_SHOPS](state, {shops}) {  state.**shops** = shops  }, } |

### 2.16.5. 定义actions

* store/actions.js

|  |
| --- |
| */\* vuex的actions模块  \*/* **import** {*reqAddress*, *reqCategorys*, *reqShops*} **from '../api' import** {RECEIVE\_ADDRESS, RECEIVE\_CATEGORYS, RECEIVE\_SHOPS} **from './mutation-types'  export default** {  *// 异步获取地址* **async** getAddress({commit, state}) {  **const** geohash = state.**latitude** + **','** + state.**longitude  const** result = **await** *reqAddress*(geohash)  commit(RECEIVE\_ADDRESS, {**address**: result.**data**})  },   *// 异步获取分类列表* **async** getCategorys({commit}) {  **const** result = **await** *reqCategorys*()  commit(RECEIVE\_CATEGORYS, {**categorys**: result.**data**})  },   *// 异步获取商家列表* **async** getShops({commit, state}) {  **const** {latitude, longitude} = state  **const** result = **await** *reqShops*({latitude, longitude})  commit(RECEIVE\_SHOPS, {**shops**: result.**data**})  } } |

### 2.16.6. 定义store对象

* store/index.js

|  |
| --- |
| */\* vuex的核心管理对象store对象模块  \*/* **import** Vue **from 'vue' import** Vuex **from 'vuex' import** state **from './state' import** mutations **from './mutations' import** actions **from './actions' import** getters **from './getters'** Vue.use(Vuex)  **export default new** Vuex.Store({  state,  mutations,  actions,  getters }) |

### 2.16.7. 注册store

main.js

|  |
| --- |
| **import** store **from './store'** **new** Vue({  store }) |

## 2.17. 异步显示数据

### 2.17.1. App.vue

|  |
| --- |
| created () {  *// 异步获取address* **this**.$store.**dispatch**(**'getAddress'**) } |

### 2.17.2. Msite.vue

|  |
| --- |
| <**template**>  <**div class="msite"**>  <**HeaderTop :title="**address.**name"**>  <**router-link slot="search" to="/search" class="header\_search"**>  <**i class="iconfont icon-sousuo"**></**i**>  </**router-link**>  <**router-link slot="login" to="/login" class="header\_login"**>  <**span class="header\_login\_text"**>登录|注册</**span**>  </**router-link**>  </**HeaderTop**>  *<!--首页导航-->* <**nav class="msite\_nav border-1px"**>  <**div class="swiper-container" v-if="**categorysArr.**length**>0**"**>  <**div class="swiper-wrapper"**>  <**div class="swiper-slide" v-for="(cs, index) in categorysArr" :key="index"**>  <**a href="javascript:" class="link\_to\_food" v-for="(c, index2) in cs" :key="index2"**>  <**div class="food\_container"**>  <**img :src="imgBaseUrl**+***c***.image\_url**"**>  </**div**>  <**span**>**{{c.title}}**</**span**>  </**a**>  </**div**>  </**div**>  *<!-- Add Pagination -->* <**div class="swiper-pagination"**></**div**>  </**div**>  <**img src="./images/msite\_back.svg" v-else**>  </**nav**>  *<!--首页附近商家-->* <**div class="msite\_shop\_list border-1px"**>  <**div class="shop\_header"**>  <**i class="iconfont icon-xuanxiang"**></**i**>  <**span class="shop\_header\_title"**>附近商家</**span**>  </**div**>  <**ShopList** />  </**div**>  </**div**> </**template**>  <**script**>  **import** {mapState} **from 'vuex'  import** Swiper **from 'swiper'  import 'swiper/dist/css/swiper.min.css'  import** HeaderTop **from '../../components/HeaderTop/HeaderTop.vue'  import** ShopList **from '../../components/ShopList/ShopList.vue'    export default** {   data () {  **return** {  **imgBaseUrl**: **'https://fuss10.elemecdn.com'** }  },   mounted () {  **this**.$store.**dispatch**(**'getCategorys'**)  **this**.$store.**dispatch**(**'getShops'**)  },   **computed**: {  ...mapState([**'address'**, **'categorys'**]),   categorysArr () {  **const** max = 8  **const** arr = []  **const** {categorys} = **this  let** smallArr = []categorys.forEach((c, index) => {  **if**(smallArr.length===0) {  arr.push(smallArr)  }  smallArr.push(c)  **if**(smallArr.length===max) {  smallArr = []  }  })   **return** arr  }  },   **watch**: {  categorys(value) {  **this**.$nextTick(() => {  **new** Swiper(**'.swiper-container'**, {  **pagination**: {  **el**: **'.swiper-pagination'**,  },  **loop**: **true** })  })  }  },   **components**: {  HeaderTop,  ShopList  }  } </**script**> |

### 2.17.3. ShopList.vue

|  |
| --- |
| <**template**>  <**div class="shop\_container"**>  <**ul class="shop\_list" v-if="shops**.length**"**>  <**li class="shop\_li border-1px" v-for="**(***item***, ***index***) in **shops" :key="*index*"**>  <**a**>  <**div class="shop\_left"**>  <**img class="shop\_img" :src="imgBaseUrl** + ***item***.image\_path**"**>  </**div**>  <**div class="shop\_right"**>  <**section class="shop\_detail\_header"**>  <**h4 class="shop\_title ellipsis"**>{{***item***.**name**}}</**h4**>  <**ul class="shop\_detail\_ul"**>  <**li class="supports" v-for="*item*** in ***item***.supports**" :key="*item***.**id"**>{{***item***.icon\_name}}</**li**>  </**ul**>  </**section**>  <**section class="shop\_rating\_order"**>  <**section class="shop\_rating\_order\_left"**>  <**div class="star star-24"**>  <**span class="star-item on"**></**span**>  <**span class="star-item on"**></**span**>  <**span class="star-item on"**></**span**>  <**span class="star-item half"**></**span**>  <**span class="star-item off"**></**span**>  </**div**>  <**div class="rating\_section"**>  {{***item***.rating}}  </**div**>  <**div class="order\_section"**>  月售{{***item***.recent\_order\_num}}单  </**div**>  </**section**>  <**section class="shop\_rating\_order\_right"**>  <**span class="delivery\_style delivery\_right"**>{{***item***.delivery\_mode.**text**}}</**span**>  </**section**>  </**section**>  <**section class="shop\_distance"**>  <**p class="shop\_delivery\_msg"**>  <**span**>¥{{***item***.float\_minimum\_order\_amount}}起送</**span**>  <**span class="segmentation"**>/</**span**>  <**span**>{{***item***.piecewise\_agent\_fee.**tips**}}</**span**>  </**p**>  </**section**>  </**div**>  </**a**>  </**li**>  </**ul**>  <**ul v-else**>  <**li v-for="*item*** in 10**" :key="*item*"**>  <**img src="./images/shop\_back.svg"**>  </**li**>  </**ul**>  </**div**> </**template**>  <**script**>  **import** {mapState} **from 'vuex'  export default** {  data () {  **return** {  **imgBaseUrl**: **'http://cangdu.org:8001/img/'** }  },  **computed**: {  ...mapState([**'shops'**])  }  } </**script**> |

## 2.18. 开发Star组件

### 2.18.1. 图片

|  |
| --- |
| star24\_half@2x.png  star24\_half@3x.png  star24\_off@2x.png  star24\_off@3x.png  star24\_on@2x.png  star24\_on@3x.png  star36\_half@2x.png  star36\_half@3x.png  star36\_off@2x.png  star36\_off@3x.png  star36\_on@2x.png  star36\_on@3x.png  star48\_half@2x.png  star48\_half@3x.png  star48\_off@2x.png  star48\_off@3x.png  star48\_on@2x.png  star48\_on@3x.png |

### 2.18.2. stylus样式

|  |
| --- |
| <**style lang="stylus" rel="stylesheet/stylus"**>  **@import "../../common/stylus/mixins.styl"** .**star** *//2x图 3x图* **float left  font-size** 0  .**star-item  display inline-block  background-repeat no-repeat  &**.**star-48** .**star-item  width** 20**px  height** 20**px  margin-right** 22**px  background-size** 20**px** 20**px  &**:**last-child  margin-right**: 0  **&**.**on  bg-image**(**'./images/star48\_on'**)  **&**.**half  bg-image**(**'./images/star48\_half'**)  **&**.**off  bg-image**(**'./images/star48\_off'**)  **&**.**star-36** .**star-item  width** 15**px  height** 15**px  margin-right** 6**px  background-size** 15**px** 15**px  &**:**last-child  margin-right** 0  **&**.**on  bg-image**(**'./images/star36\_on'**)  **&**.**half  bg-image**(**'./images/star36\_half'**)  **&**.**off  bg-image**(**'./images/star36\_off'**)  **&**.**star-24** .**star-item  width** 10**px  height** 10**px  margin-right** 3**px  background-size** 10**px** 10**px  &**:**last-child  margin-right** 0  **&**.**on  bg-image**(**'./images/star24\_on'**)  **&**.**half  bg-image**(**'./images/star24\_half'**)  **&**.**off  bg-image**(**'./images/star24\_off'**) </**style**> |

### 2.18.3. 页面模板

|  |
| --- |
| <**template**>  <**div class="star" :class="`star-**${***size***}**`"**>  <**span class="star-item" v-for="**(**sc**, ***index***) in starClasses**" :key="*index*" :class="sc"**></**span**>  </**div**> </**template**> |

### 2.18.4. script

|  |
| --- |
| <**script**>  **const *CLASS\_ON*** = **'on'  const *CLASS\_HALF*** = **'half'  const *CLASS\_OFF*** = **'off'   export default** {  *// 设计props* **props**: {  **score**: ***Number***,  **size**: ***Number*** },  */\*  3.4: 3 + 0 + 2  3.5: 3 + 1 + 1  starClasses: []  \*/* **computed**: {  starClasses () {  **const** scs = []  **const** {score} = **this  const** scoreInteger = ***Math***.floor(score)  *// 添加类名CLASS\_ON* **for** (**let** i = 0; i< scoreInteger; i++) {  scs.push(***CLASS\_ON***)  }  *// 添加类名CLASS\_HALF* **if**(score\*10-scoreInteger\*10>=5) {  scs.push(***CLASS\_HALF***)  }  *// 添加类名CLASS\_OFF* **while**(scs.length<5) {  scs.push(***CLASS\_OFF***)  }  **return** scs  }  }  } </**script**> |

### 2.18.5. 使用组件标签: ShopList.vue

|  |
| --- |
| <**Star :score="*item***.rating**" :size="**24**"**/>  **import** Star **from '../Star/Star.vue'**  **components**: {  Star } |

## 2.19. 实现登陆注册功能

### 2.19.1. vuex

1. state.js

|  |
| --- |
| **userInfo**: {}, *// 用户信息* |

1. mutation-types.js

|  |
| --- |
| **export const** RECEIVE\_USER\_INFO = **'receive\_user\_info'** *// 接收用户信息* |

1. mutations.js

|  |
| --- |
| [RECEIVE\_USER\_INFO](state, {userInfo}) {  state.**userInfo** = userInfo } |

1. actions.js

|  |
| --- |
| *//记录用户信息* recordUserInfo({commit}, userInfo) {  commit(RECEIVE\_USER\_INFO, {userInfo}) },  *// 异步获取用户信息* **async** getUserInfo({commit}) {  **const** result = **await** *reqUser*()  **if**(result.**code**===0) {  commit(RECEIVE\_USER\_INFO, {**userInfo**: result.**data**})  } } |

### 2.19.2. App.vue

|  |
| --- |
| created () {  *// 异步获取address* **this**.$store.**dispatch**(**'getAddress'**)  *// 异步获取登陆用户信息*  **this**.$store.**dispatch**(**'getUserInfo'**) }, |

### 2.19.3. Profile.vue

|  |
| --- |
| <**router-link :to="userInfo**.\_id?**'/userinfo'**:**'/login'" class="profile-link"**>  <**div class="profile\_image"**>  <**i class="iconfont icon-person"**></**i**>  </**div**>  <**div class="user-info"**>  <**p class="user-info-top" v-if="**!**userInfo**.phone**"**>{{**userInfo**.**name** || '登录/注册'}}</**p**>  <**p**>  <**span class="user-icon"**>  <**i class="iconfont icon-shouji icon-mobile"**></**i**>  </**span**>  <**span class="icon-mobile-number"**>{{**userInfo**.phone || '暂无绑定手机号'}}</**span**>  </**p**>  </**div**>  <**span class="arrow"**>  <**i class="iconfont icon-jiantou1"**></**i**>  </**span**> </**router-link**>  **computed**: {  ...mapState([**'userInfo'**]) } |

### 2.19.4. 提示框组件: components/AlertTip/AlertTip.vue

|  |
| --- |
| <**template**>  <**div class="alert\_container"**>  <**section class="tip\_text\_container"**>  <**div class="tip\_icon"**>  <**span**></**span**>  <**span**></**span**>  </**div**>  <**p class="tip\_text"**>{{alertText}}</**p**>  <**div class="confrim" @click="**closeTip**"**>确认</**div**>  </**section**>  </**div**> </**template**>  <**script**>  **export default** {  **props**: [**'alertText'**],  **methods**: {  closeTip() {  **this**.$emit(**'closeTip'**)  }  }  } </**script**>  <**style lang="stylus" rel="stylesheet/stylus" scoped**>  **@import '../../common/stylus/mixins.styl'**;   **@keyframes tipMove** 0%  **transform**: **scale**(1)  35%  **transform**: **scale**(.8)  70%  **transform**: **scale**(1.1)  100%  **transform**: **scale**(1)   .**alert\_container  position**: **fixed**;  **top**: 0;  **left**: 0;  **right**: 0;  **bottom**: 0;  **z-index**: 200;  **background**: **rgba**(0, 0, 0, .5)  .**tip\_text\_container  position**: **absolute**;  **top**: 50%;  **left**: 50%;  **margin-top**: -90**px  margin-left**: -110**px  width**: 60%  **animation**: **tipMove** .4**s**;  **background-color**: **rgba**(255, 255, 255, 1);  **border**: 1**px**;  **padding-top**: 20**px  display**: **flex**;  **justify-content**: **center**;  **align-items**: **center**;  **flex-direction**: **column**;  **border-radius**: 5**px** .**tip\_icon  width**: 55**px  height**: 55**px  border**: 2**px solid #f8cb86**;  **border-radius**: 50%;  **font-size** 20**px  display**: **flex**;  **justify-content**: **center**;  **align-items**: **center**;  **flex-direction**: **column**;  **span**:**nth-of-type**(1)  **width**: 2**px  height**: 30**px  background-color**: **#f8cb86**;  **span**:**nth-of-type**(2)  **width**: 2**px  height**: 2**px  border**: 1**px**;  **border-radius**: 50%;  **margin-top**: 2**px  background-color #f8cb86** .**tip\_text  font-size** 14**px  color #333  line-height** 20**px  text-align center  margin-top** 10**px  padding** 0 5**px** .**confrim  font-size** 18**px  font-weight bold  margin-top** 10**px  background-color #4cd964  width** 100%  **text-align center  line-height** 35**px  border** 1**px  color #fff  border-bottom-left-radius** 5**px  border-bottom-right-radius** 5**px** </**style**> |

### 2.19.5. Login.vue

|  |
| --- |
| <**template**>  <**div class="loginContainer"**>  <**div class="loginInner"**>  <**div class="login\_header"**>  <**h2 class="login\_logo"**>硅谷外卖</**h2**>  <**div class="login\_header\_title"**>  <**span :class="**{**on**: **loginWay**}**" @click="**setLoginWay(**true**)**"**>短信登录</**span**>  <**span :class="**{**on**: !**loginWay**}**" @click="**setLoginWay(**false**)**"**>密码登录</**span**>  </**div**>  </**div**>  <**div class="login\_content"**>  <**form @submit.prevent="**login**"**>  <**div :class="**{**on**: **loginWay**}**"**>  <**section class="login\_message"**>  <**input type="text" maxlength="11" placeholder="手机号" v-model="**phone**"**>  <**button class="get\_verification"  :class="**{**right\_phone**: rightPhone}**" v-show="**!**computeTime" @click.prevent="getCode"**>获取验证码  </**button**>  <**button class="get\_verification" v-show="computeTime"**>{{**computeTime**}}s</**button**>  </**section**>  <**section class="login\_verification"**>  <**input type="tel" maxlength="8" placeholder="验证码" v-model="*code*"**>  </**section**>  <**section class="login\_hint"**>  温馨提示：未注册硅谷外卖帐号的手机号，登录时将自动注册，且代表已同意  <**a href="javascript:;"**>《用户服务协议》</**a**>  </**section**>  </**div**>  <**div :class="**{**on**: !**loginWay**}**"**>  <**section**>  <**section class="login\_message"**>  <**input type="tel" maxlength="11" placeholder="手机/邮箱/用户名" v-model="*name*"**>  </**section**>  <**section class="login\_verification"**>  <**input type="text" maxlength="8" placeholder="密码"  v-if="showPassword" v-model="pwd"**>  <**input type="password" maxlength="8" placeholder="密码"  v-if="**!**showPassword" v-model="pwd"**>  <**div class="switch\_button" :class="showPassword**?**'on'**:**'off'" @click="**switchShowPassword**"**>  <**div class="switch\_circle" :class="**{**on**: **showPassword**}**"**></**div**>  <**span class="switch\_text" v-show="showPassword"**>abc</**span**>  </**div**>  </**section**>  <**section class="login\_message"**>  <**input type="text" maxlength="11" placeholder="验证码" v-model="captcha"**>  <**img class="get\_verification" src="http://localhost:3000/captcha" alt="captcha" @click="**changeCaptcha**"**>  </**section**>  </**section**>  </**div**>  <**input type="submit" value="登录" class="login\_submit"**></**input**>  </**form**>  <**a href="javascript:;" class="about\_us"**>关于我们</**a**>  </**div**>  <**span class="go\_back" @click="**$router.back()**"**>  <**i class="iconfont icon-jiantou2"**></**i**>  </**span**>  </**div**>  <**alert-tip v-if="alertShow" :alertText="alertText" @closeTip="**closeTip**"**/>  </**div**> </**template**>  <**script**>  **import** { *sendCode*, *smsLogin*, *pwdLogin*} **from '../../api'  import** AlertTip **from '../../components/AlertTip/AlertTip.vue'   export default** {  data () {  **return** {  **loginWay**: **true**, *// true代表短信登陆, false密码登陆* **phone**: **''**, *//手机号* **code**: **''**, *//短信验证码* **name**: **''**, *//用户名* **pwd**: **''**, *// 密码* **captcha**: **''**, *// 图片验证码* **computeTime**: 0, *//计时时间* **showPassword**: **false**, *// 是否显示密码* **alertText**: **''**, *// 提示框文本* **alertShow**: **false**, *//是否显示提示框* }  },   **computed**: {  rightPhone () {*// 以1开头的11数字* **return** /^1\d{10}$/.test(**this**.phone)  }  },   **methods**: {  setLoginWay (loginWay) {  **this**.**loginWay** = loginWay  },   **async** getCode () {  **if** (**this**.rightPhone) { *// 输入了合法的手机号  // 开始倒计时* **this**.**computeTime** = 60  *// 启动循环定时器, 每隔1s减少1* **const** intervalId = *setInterval*(() => {  **this**.**computeTime**--  *//如果到时, 停止计时* **if** (**this**.**computeTime** === 0) {  *clearInterval*(intervalId)  }  }, 1000)   *// 发ajax请求, 向手机号发验证码* **const** result = **await** *sendCode*(**this**.phone)  **if** (result.**code** === 1) {  *clearInterval*(intervalId)  *// 显示提示框* **this**.**alertShow** = **true  this**.**alertText** = result.**msg** }  }   },   *// 切换密码的显示和隐藏* switchShowPassword () {  **this**.**showPassword** = !**this**.**showPassword** },   *// 改变验证码图片* changeCaptcha (event) {  event.**target**.**src** = **'http://localhost:3000/captcha?time='** + **new** Date()  },   *// 登陆* **async** login () {  **let** result  **if**(**this**.**loginWay**) { *// 短信登陆* **const** {rightPhone, phone, code} = **this** *// 表单验证* **if**(!rightPhone) { *// 手机号* **this**.**alertShow** = **true  this**.**alertText** = **'请输入正确的手机号'  return** } **else if**(!/^\d{6}$/.test(code)) { *// 验证码* **this**.**alertShow** = **true  this**.**alertText** = **'请输入正确的验证码'  return** }  *// 提交登陆请求* result = **await** *smsLogin*({phone, code})   *// 处理返回* } **else** {*// 密码登陆* **const** {name, pwd, captcha} = **this** *// 表单验证* **if**(!name) { *// 用户名* **this**.**alertShow** = **true  this**.**alertText** = **'请输入用户名'  return** } **else if**(!pwd) { *// 密码* **this**.**alertShow** = **true  this**.**alertText** = **'请输入密码'  return** } **else if**(!captcha) { *// 图片验证码* **this**.**alertShow** = **true  this**.**alertText** = **'请输入验证码'  return** }  *// 提交登陆请求* result = **await** *pwdLogin*({name, pwd, captcha})   *// 处理返回* }   **if**(result.**code**===0) {  *// 得到用户信息* **const** userInfo = result.**data** *// 保存到state中去* **this**.$store.**dispatch**(**'recordUserInfo'**, userInfo)  *// 回退* **this**.$router.back()  } **else** {  **this**.**alertShow** = **true  this**.**alertText** = result.**msg** }  },   *// 关闭提示框* closeTip () {  **this**.**alertShow** = **false** }  },   **components**: {  AlertTip  }  } </**script**>  <**style lang="stylus" rel="stylesheet/stylus"**>  **@import "../../common/stylus/mixins.styl"** .**loginContainer  width** 100%  **height** 100%  **background #fff** .**loginInner  padding-top** 60**px  width** 80%  **margin** 0 **auto** .**login\_header** .**login\_logo  font-size** 40**px  font-weight bold  color #02a774  text-align center** .**login\_header\_title  padding-top** 40**px  text-align center** > **span  color #333  font-size** 14**px  padding-bottom** 4**px  &**:**first-child  margin-right** 40**px  &**.**on  color #02a774  font-weight** 700  **border-bottom** 2**px solid #02a774** .**login\_content** > **form** > **div  display none  &**.**on  display block  input  width** 100%  **height** 100%  **padding-left** 10**px  box-sizing border-box  border** 1**px solid #ddd  border-radius** 4**px  outline** 0  **font** 400 14**px Arial  &**:**focus  border** 1**px solid #02a774** .**login\_message  position relative  margin-top** 16**px  height** 48**px  font-size** 14**px  background #fff** .**get\_verification  position absolute  top** 50%  **right** 10**px  transform translateY**(-50%)  **border** 0  **color #ccc  font-size** 14**px  background transparent  &**.**right\_phone  color**: **black** .**login\_verification  position relative  margin-top** 16**px  height** 48**px  font-size** 14**px  background #fff** .**switch\_button  font-size** 12**px  border** 1**px solid #ddd  border-radius** 8**px  transition background-color** .3**s**, **border-color** .3**s  padding** 0 6**px  width** 30**px  height** 16**px  line-height** 16**px  color #fff  position absolute  top** 50%  **right** 10**px  transform translateY**(-50%)  **&**.**off  background #fff** .**switch\_text  float right  color #ddd  &**.**on  background #02a774** > .**switch\_circle****position absolute  top** -1**px  left** -1**px  width** 16**px  height** 16**px  border** 1**px solid #ddd  border-radius** 50%  **background #fff  box-shadow** 0 2**px** 4**px** 0 **rgba**(0, 0, 0, .1)  **transition transform** .3**s  &**.**on  transform translateX**(27**px**)   .**login\_hint  margin-top** 12**px  color #999  font-size** 14**px  line-height** 20**px** > **a  color #02a774** .**login\_submit  display block  width** 100%  **height** 42**px  margin-top** 30**px  border-radius** 4**px  background #4cd96f  color #fff  text-align center  font-size** 16**px  line-height** 42**px  border** 0  .**about\_us  display block  font-size** 12**px  margin-top** 20**px  text-align center  color #999** .**go\_back  position absolute  top** 5**px  left** 5**px  width** 30**px  height** 30**px** > .**iconfont  font-size** 20**px  color #999** </**style**> |

## 2.20. 搭建商家整体界面

### 2.20.1. 效果



### 2.20.2. ShopGoods组件

pages/Shop/ShopGoods/ShopGoods.vue

|  |
| --- |
| <**template**>  <**div**>  ShopGoods组件  </**div**> </**template**>  <**script**>  **export default** {} </**script**>  <**style lang="stylus" rel="stylesheet/stylus"**>  </**style**> |

### 2.20.3. ShopRatings组件

pages/Shop/ShopGoods/ShopRatings.vue

|  |
| --- |
| <**template**>  <**div**>  ShopRatings组件  </**div**> </**template**>  <**script**>  **export default** {} </**script**>  <**style lang="stylus" rel="stylesheet/stylus"**>  </**style**> |

### 2.20.4. ShopInfo组件

pages/Shop/ShopGoods/ShopInfo.vue

|  |
| --- |
| <**template**>  <**div**>  ShopInfo组件  </**div**> </**template**>  <**script**>  **export default** {} </**script**>  <**style lang="stylus" rel="stylesheet/stylus"**>  </**style**> |

### 2.20.5. ShopHeader组件

components/ShopHeader/ShopHeader.vue

|  |
| --- |
| <**template**>  <**div**>  ShopHeader组件  </**div**> </**template**>  <**script**>  **export default** {} </**script**>  <**style lang="stylus" rel="stylesheet/stylus"**>  </**style**> |

### 2.20.6. Shop组件

pages/Shop/Shop.vue

|  |
| --- |
| <**template**>  <**div**>  <**shop-header**/>   <**div class="tab"**>  <**div class="tab-item"**>  <**router-link to="/shop/goods" replace**>点餐</**router-link**>  </**div**>  <**div class="tab-item"**>  <**router-link to="/shop/ratings" replace**>评价</**router-link**>  </**div**>  <**div class="tab-item"**>  <**router-link to="/shop/info" replace**>商家</**router-link**>  </**div**>  </**div**>   <**router-view**/>  </**div**> </**template**>  <**script**>  **import** ShopHeader **from '../../components/ShopHeader/ShopHeader.vue'   export default** {  **components**: {  ShopHeader  }  } </**script**>  <**style lang="stylus" rel="stylesheet/stylus"**>  **@import "../../common/stylus/mixins.styl"** .**tab  height** 40**px  line-height** 40**px  background #fff  bottom-border-1px**(**rgba**(7, 17, 27, 0.1))  .**tab-item  float left  width**: 33.33333%  **text-align center  font-size** 14**px  color rgb**(77, 85, 93)  **a  display block  position relative  &**.**router-link-active  color #02a774  &**::**after  content ''  position absolute  left** 50%  **bottom** 1**px  width** 35**px  height** 2**px  transform translateX**(-50%)  **background #02a774** </**style**> |

### 2.20.7. router/index.js

|  |
| --- |
| {  **path**: **'/shop'**,  **component**: Shop,  **children**: [  {  **path**: **'/shop/goods'**,  **component**: ShopGoods  },  {  **path**: **'/shop/ratings'**,  **component**: ShopRatings  },  {  **path**: **'/shop/info'**,  **component**: ShopInfo  },  {  **path**: **''**,  **redirect**: **'/shop/goods'** }  ] } |

### 2.20.8. ShopList.vue

|  |
| --- |
| <**router-link class="shop\_li border-1px"  tag='li'  to="/shop"  v-for="**(***item***, ***index***) in **shops"  :key="*index*"**> |

## 2.21. 模拟(mock)数据/接口

### 2.21.1. Web应用前后端(台)分离:

1. 后台向前台提供API接口, 只负责数据的提供和计算，而完全不处理展现
2. 前台通过Http(Ajax)请求获取数据,　在浏览器端动态构建界面显示数据

### 2.21.2. 设计JSON数据结构

1. 理解JSON数据结构
   1. 结构: 名称, 数据类型
   2. value
   3. value可以变, 但结构不能变
2. 编写模拟JSON数据: src/mock/data.json

### 2.21.3. 利用mockjs提供模拟数据

1. Mockjs: 用来拦截ajax请求, 生成随机数据返回
2. 学习
   1. <http://mockjs.com/>
   2. <https://github.com/nuysoft/Mock>
3. 下载:

|  |
| --- |
| **npm install mockjs --save** |

1. 使用(mock/mockServer.js)

|  |
| --- |
| **import** Mock **from 'mockjs'**  **import** apiData **from './data.json'** Mock.mock(**'/seller'**, {**code**:0, **data**:apiData.**seller**}) Mock.mock(**'/goods'**, {**code**:0, **data**:apiData.**goods**}) Mock.mock(**'/ratings'**, {**code**:0, **data**:apiData.**ratings**}) |

### 2.21.4. api/index.js

|  |
| --- |
| */\*\*  \* 获取商家信息  \*/* **export const** *reqShopInfo* = () => *ajax*(**'/shop\_info'**)  */\*\*  \* 获取商家评价数组  \*/* **export const** *reqShopRatings* = () => *ajax*(**'/shop\_ratings'**)  */\*\*  \* 获取商家商品数组  \*/* **export const** *reqShopGoods* = () => *ajax*(**'/shop\_goods'**) |

### 2.21.5. vuex

1. state.js

|  |
| --- |
| **export default** {**goods**: [], *// 商品列表* **ratings**: [], *// 商家评价列表* **info**: {}, *// 商家信息* } |

1. mutation-types.js

|  |
| --- |
| **export const** RECEIVE\_GOODS = **'receive\_goods'** *// 接收商品数组* **export const** RECEIVE\_RATINGS = **'receive\_ratings'** *// 接收商家评价数组* **export const** RECEIVE\_INFO = **'receive\_info'** *// 接收商家信息* |

1. mutations.js

|  |
| --- |
| [RECEIVE\_INFO](state, {info}) {  state.**info** = info },  [RECEIVE\_RATINGS](state, {ratings}) {  state.**ratings** = ratings },  [RECEIVE\_GOODS](state, {goods}) {  state.**goods** = goods }, |

1. actions.js

|  |
| --- |
| *// 异步获取商家信息* **async** getShopInfo({commit}, cb) {  **const** result = **await** *reqShopInfo*()  **if**(result.**code**===0) {  **const** info = result.**data** info.**score** = 3.5  commit(RECEIVE\_INFO, {info})   cb && cb()  } },  *// 异步获取商家评价列表* **async** getShopRatings({commit}, cb) {  **const** result = **await** *reqShopRatings*()  **if**(result.**code**===0) {  **const** ratings = result.**data** commit(RECEIVE\_RATINGS, {ratings})   cb && cb()  } },  *// 异步获取商家商品列表* **async** getShopGoods({commit}, cb) {  **const** result = **await** *reqShopGoods*()  **if**(result.**code**===0) {  **const** goods = result.**data** commit(RECEIVE\_GOODS, {goods})  *// 如果组件中传递了接收消息的回调函数, 数据更新后, 调用回调通知调用的组件* cb && cb()  } }, |

## 2.22. 开发ShopHeader组件

### 2.22.1. 静态模板

|  |
| --- |
| <**template**>  <**div class="shop-header"**>  <**nav class="shop-nav"  style="background-image: url('https://fuss10.elemecdn.com/f/5c/ead54394c3de198d3e6d3e9111bbfpng.png');"**>  <**a class="back"**>  <**i class="iconfont icon-arrow\_left"**/>  </**a**>  </**nav**>  <**div class="shop-content"**>  <**img src="https://fuss10.elemecdn.com/8/40/02872ce8aefe75c16d3190e75ad61jpeg.jpeg" class="content-image"**>  <**div class="header-content"**>  <**h2 class="content-title"**>  <**span class="content-tag"**>  <**span class="mini-tag"**>品牌</**span**>  </**span**>  <**span class="content-name"**>嘉禾一品（温都水城）</**span**>  <**i class="content-icon"**></**i**>  </**h2**>  <**div class="shop-message"**>  <**span class="shop-message-detail"**>5</**span**>  <**span class="shop-message-detail"**>月售90单</**span**>  <**span class="shop-message-detail"**>  硅谷专送  <**span**>约28分钟</**span**>  </**span**>  <**span class="shop-message-detail"**>距离1000m</**span**>  </**div**>  <**p class="shop-notice"**>是以粥为特色的中式营养快餐，自2004年10月18日创立“嘉和一品”品牌至今</**p**>  </**div**>  </**div**>  <**div class="shop-header-discounts"**>  <**div class="discounts-left"**>  <**div class="activity activity-green"**>  <**span class="content-tag"**>  <**span class="mini-tag"**>首单</**span**>  </**span**>  <**span class="activity-content"**>新用户下单立减17元</**span**>  </**div**>  </**div**>  <**div class="discounts-right"**>  3个优惠  </**div**>  </**div**>  <**div class="shop-brief-modal" style="display: none;"**>  <**div class="brief-modal-content"**>  <**h2 class="content-title"**>  <**span class="content-tag"**>  <**span class="mini-tag"**>品牌</**span**>  </**span**>  <**span class="content-name"**>嘉禾一品（温都水城）</**span**>  </**h2**>  <**ul class="brief-modal-msg"**>  <**li**>  <**h3**>3.5</**h3**>  <**p**>评分</**p**>  </**li**>  <**li**>  <**h3**>90单</**h3**>  <**p**>月售</**p**>  </**li**>  <**li**>  <**h3**>硅谷专送</**h3**>  <**p**>约28分钟</**p**>  </**li**>  <**li**>  <**h3**>4元</**h3**>  <**p**>配送费用</**p**>  </**li**>  <**li**>  <**h3**>1000m</**h3**>  <**p**>距离</**p**>  </**li**>  </**ul**>  <**h3 class="brief-modal-title"**>  <**span**>公告</**span**></**h3**>  <**div class="brief-modal-notice"**>  是以粥为特色的中式营养快餐，自2004年10月18日创立“嘉和一品”品牌至今  </**div**>  <**div class="mask-footer"**>  <**span class="iconfont icon-close"**></**span**>  </**div**>  </**div**>  <**div class="brief-modal-cover"**></**div**>  </**div**>  <**div class="activity-sheet" style="display: none;"**>  <**div class="activity-sheet-content"**>  <**h2 class="activity-sheet-title"**>  优惠活动</**h2**>  <**ul class="list"**>  <**li class="activity-item activity-green"**>  <**span class="content-tag"**>  <**span class="mini-tag"**>首单</**span**>  </**span**>  <**span class="activity-content"**>新用户下单立减17元(不与其它活动同享)</**span**>  </**li**>  <**li class="activity-item activity-red"**>  <**span class="content-tag"**>  <**span class="mini-tag"**>满减</**span**>  </**span**>  <**span class="activity-content"**>满35减19，满65减35</**span**>  </**li**>  <**li class="activity-item activity-orange"**>  <**span class="content-tag"**>  <**span class="mini-tag"**>特价</**span**>  </**span**>  <**span class="activity-content"**>【立减19.5元】欢乐小食餐</**span**>  </**li**>  </**ul**>  <**div class="activity-sheet-close"**>  <**span class="iconfont icon-close"**></**span**>  </**div**>  </**div**>  <**div class="activity-sheet-cover"**></**div**>  </**div**>  </**div**> </**template**> |

### 2.22.2. 组件样式

|  |
| --- |
| <**style lang="stylus" rel="stylesheet/stylus" scoped**>  **@import "../../common/stylus/mixins.styl"** .**shop-header  height** 100%  **position relative  background #fff  color #fff  overflow hidden** .**shop-nav  background-size cover  background-repeat no-repeat  height** 40**px  padding** 5**px** 10**px  position relative  &**::**before  content ""  position absolute  left** 0  **right** 0  **top** 0  **bottom** 0  **background-color rgba**(119, 103, 137, .43)  .**back  position**: **absolute  top**: 10**px  left**: 0  .**icon-arrow\_left  display**: **block  padding**: 5**px  font-size**: 20**px  color**: **#fff** .**shop-content  padding** 30**px** 20**px** 5**px** 20**px  position relative  display flex  background #fff  text-align center  img  box-shadow**: 0 0 0.4**vw** 0 **rgba**(0, 0, 0, .2);  **position**: **absolute**;  **top**: 0;  **left**: 50%;  **width**: 66**px  height**: 66**px  border-radius**: 2**px  margin-left** -33**px  margin-top** -40**px** .**header-content  flex** 1  **width** 72%  .**content-title  font-size** 20**px  line-height** 24**px  font-weight** 700  **white-space nowrap  position relative  display flex  align-items center  justify-content center  color #333** .**content-tag  border-radius** 2**px  background-image linear-gradient**(90**deg**, **#fff100**, **#ffe339**)  **width** 36**px  height**: 18**px  margin-right** 10**px  color #6a3709  font-style normal  font-weight** 700  **position relative** .**mini-tag  position absolute  left** 0  **top** 0  **right** -100%  **bottom** -100%  **font-size** 24**px  font-weight** 600  **transform scale**(.5)  **transform-origin** 0 0  **display flex  align-items center  justify-content center** .**content-name  font-weight** 700  **text-align left  overflow hidden  text-overflow ellipsis** .**content-icon  width** 20**px  position relative  height** 16**px  &**::**after  content ""  border-style solid  border-width**: 6**px** 0 6**px** 7**px  border-color transparent transparent transparent rgba**(0, 0, 0, .67)  **position absolute  left** 8**px  top** 3**px** .**shop-message  white-space nowrap  height** 12**px  margin-top** 8**px  font-size** 11**px  color #333** .**shop-message-detail**:**not**(:**last-child**)::**after  content " \B7 "  opacity** .2  .**shop-notice  width** 63%  **font-size** 11**px  font-weight** 300  **color #999  overflow hidden  text-overflow ellipsis  margin** 8**px auto** 10**px  white-space nowrap** .**shop-header-discounts  display flex  background #fff  border-radius** 1**px  border** 1**px solid #eee  padding** 5**px** 7**px  font-size** 11**px  color #666  margin** 0 30**px  align-items center** .**discounts-left  flex** 1  **overflow hidden** .**activity  display flex  align-items center** .**content-tag  border-radius** 1**px  width** 25**px  height** 13**px  margin-right** 5**px  color #fff  font-style normal  font-weight** 700  **position relative  background-color rgb**(112, 188, 70)  .**mini-tag  position absolute  left** 0  **top** 0  **right** -100%  **bottom** -100%  **font-size** 18**px  font-weight** 600  **transform scale**(.5)  **transform-origin** 0 0  **display flex  align-items center  justify-content center** .**discounts-right  width** 50**px  flex-shrink** 0  **position relative  padding-right** 10**px  text-align right  &**::**after  content ""  display block  border-style solid  border-width** 4**px** 4**px** 0  **border-color rgba**(0, 0, 0, .57) **transparent transparent  position absolute  top** 50%  **transform translateY**(-50%)  **right** 0   .**shop-brief-modal  position fixed  top** 0  **left** 0  **right** 0  **bottom** 0  **display flex  justify-content center  align-items center  z-index** 52  **flex-direction column  color #333** .**brief-modal-cover  position absolute  width** 100%  **height** 100%  **top** 0  **left** 0  **background-color rgba**(0, 0, 0, .5)  **z-index** 1   .**brief-modal-content  position relative  width** 80%  **padding** 25**px** 20**px  border-radius** 5**px  background #fff  z-index** 99  **display flex  flex-direction column** .**content-title  font-size** 20**px  line-height** 24**px  font-weight** 700  **white-space nowrap  position relative  display flex  align-items center  justify-content center** > **span  font-weight** 600  .**content-tag  border-radius** 2**px  background-image linear-gradient**(90**deg**, **#fff100**, **#ffe339**)  **width** 36**px  height**: 18**px  margin-right** 10**px  color #6a3709  font-style normal  position relative** .**mini-tag  position absolute  left** 0  **top** 0  **right** -100%  **bottom** -100%  **font-size** 24**px  transform scale**(.5)  **transform-origin** 0 0  **display flex  align-items center  justify-content center** .**brief-modal-msg  display flex  margin** 20**px** -10**px** 0  > **li  flex** 1  **text-align center** > **h3  font-size** 15**px  font-weight** 600  **color #333  margin-bottom** 8**px** > **p  font-size** 12**px  color #999** .**brief-modal-title  position relative  text-align center  margin** 15**px auto** 15**px  width** 85**px  background-image linear-gradient**(90**deg**, **#fff**, **#333** 50%, **#fff**)  **background-size** 100% 1**px  background-position** 50%  **background-repeat no-repeat** > **span  font-size** 12**px  padding** 0 6**px  color #999  background-color #fff** .**brief-modal-notice  font-size** 13**px  line-height** 1.54  **color #333  overflow-y auto** .**mask-footer  position absolute  bottom** -60**px  left** 50%  **padding** 6**px  border** 1**px solid rgba**(255, 255, 255, .7)  **border-radius** 50%  **transform translateX**(-50%)  **span  font-size** 16**px  color rgba**(255, 255, 255, .7)  .**activity-sheet  position fixed  top** 0  **left** 0  **width** 100%  **height** 100%  **z-index** 99  **&**.**move-enter-active**, **&**.**move-leave-active  transition opacity** .3**s  &**.**move-enter-active**, **&**.**move-leave-active  opacity** 0  .**activity-sheet-content  position absolute  background-color #f5f5f5  box-shadow** 0 -1**px** 5**px** 0 **rgba**(0, 0, 0, .4)  **bottom** 0  **left** 0  **right** 0  **z-index** 100  **padding** 20**px** 30**px  box-sizing border-box  transition transform** .2**s  will-change transform  color #333** .**activity-sheet-title  text-align center  font-size** 20**px  font-weight** 600  **margin-bottom** 20**px** .**list  font-size** 16**px  height** 160**px  overflow-y auto** .**activity-item  margin-bottom** 12**px  display flex  font-size** 13**px  align-items center  &**.**activity-green** .**content-tag  background-color rgb**(112, 188, 70)  **&**.**activity-red** .**content-tag  background-color rgb**(240, 115, 115)  **&**.**activity-orange** .**content-tag  background-color**: **rgb**(241, 136, 79)  .**content-tag  display inline-block  border-radius** 2**px  width** 36**px  height**: 18**px  margin-right** 10**px  color #fff  font-style normal  position relative** .**mini-tag  position absolute  left** 0  **top** 0  **right** -100%  **bottom** -100%  **font-size** 24**px  transform scale**(.5)  **transform-origin** 0 0  **display flex  align-items center  justify-content center** .**activity-sheet-close  position absolute  right** 6**px  top** 10**px  width** 25**px  height** 25**px** > **span  font-size** 20**px** .**activity-sheet-cover  position absolute  width** 100%  **height** 100%  **top** 0  **left** 0  **background-color rgba**(0, 0, 0, .5)  </**style**> |

### 2.22.3. ShopHeader.vue

|  |
| --- |
| <**template**>  <**div class="shop-header"**>  <**nav class="shop-nav" :style="**{**backgroundImage**: **`url(**${***info***.bgImg}**)`**}**"**>  <**a class="back" @click="**$router.back()**"**>  <**i class="iconfont icon-arrow\_left"**></**i**>  </**a**>  </**nav**>   <**div class="shop-content" @click="**shopShow**"**>  <**img class="content-image" :src="*info***.avatar**"**>  <**div class="header-content"**>  <**h2 class="content-title"**>  <**span class="content-tag"**>  <**span class="mini-tag"**>品牌</**span**>  </**span**>  <**span class="content-name"**>{{***info***.**name**}}</**span**>  <**i class="content-icon"**></**i**>  </**h2**>  <**div class="shop-message"**>  <**span class="shop-message-detail"**>5</**span**>  <**span class="shop-message-detail"**>月售{{***info***.sellCount}}单</**span**>  <**span class="shop-message-detail"**>  {{***info***.**description**}}  <**span**>约{{***info***.deliveryTime}}分钟</**span**>  </**span**>  <**span class="shop-message-detail"**>距离{{***info***.**distance**}}</**span**>  </**div**>  <**p class="shop-notice"**>{{***info***.bulletin}}</**p**>  </**div**>  </**div**>   <**div class="shop-header-discounts" @click="**activityShow**" v-if="*info***.supports**"**>  <**div class="discounts-left"**>  <**div class="activity" :class="supportClasses**[***info***.supports[0].**type**]**"**>  <**span class="content-tag"**>  <**span class="mini-tag"**>{{***info***.supports[0].**name**}}</**span**>  </**span**>  <**span class="activity-content"**>{{***info***.supports[0].**content**}}</**span**>  </**div**>  </**div**>  <**div class="discounts-right"**>  {{***info***.supports.**length**}}个优惠  </**div**>  </**div**>   <**transition name="fade"**>  <**div class="shop-brief-modal" v-show="isShopShow"**>  <**div class="brief-modal-content"**>  <**h2 class="content-title"**>  <**span class="content-tag"**>  <**span class="mini-tag"**>品牌</**span**>  </**span**>  <**span class="content-name"**>{{***info***.**name**}}</**span**>  </**h2**>  <**ul class="brief-modal-msg"**>  <**li**>  <**h3**>{{***info***.**score**}}</**h3**>  <**p**>评分</**p**>  </**li**>  <**li**>  <**h3**>{{***info***.sellCount}}单</**h3**>  <**p**>月售</**p**>  </**li**>  <**li**>  <**h3**>{{***info***.**description**}}</**h3**>  <**p**>约{{***info***.deliveryTime}}分钟</**p**>  </**li**>  <**li**>  <**h3**>{{***info***.deliveryPrice}}元</**h3**>  <**p**>配送费用</**p**>  </**li**>  <**li**>  <**h3**>{{***info***.**distance**}}</**h3**>  <**p**>距离</**p**>  </**li**>  </**ul**>  <**h3 class="brief-modal-title"**>  <**span**>公告</**span**>  </**h3**>  <**div class="brief-modal-notice"**>  {{***info***.bulletin}}  </**div**>  <**div class="mask-footer" @click="**shopShow**"**>  <**span class="iconfont icon-close"**></**span**>  </**div**>  </**div**>  <**div class="brief-modal-cover"**></**div**>  </**div**>  </**transition**>   <**transition name="move"**>  <**div class="activity-sheet" v-show="isActivityShow"**>  <**div class="activity-sheet-content"**>  <**h2 class="activity-sheet-title"**>优惠活动</**h2**>  <**ul class="list"**>  <**li class="activity-item" v-for="**(support, ***index***) in ***info***.supports**"  :key="*index*" :class="supportClasses**[support.**type**]**"**>  <**span class="content-tag"**>  <**span class="mini-tag"**>{{support.**name**}}</**span**>  </**span**>  <**span class="activity-content"**>{{support.**content**}}</**span**>  </**li**>  </**ul**>  <**div class="activity-sheet-close" @click="**activityShow**"**>  <**span class="iconfont icon-close"**></**span**>  </**div**>  </**div**>  <**div class="activity-sheet-cover"**></**div**>  </**div**>  </**transition**>  </**div**> </**template**> |

## 2.23. 开发ShopGoods组件

### 2.23.1. 说明

1. ShopGoods组件是一个较复杂的路由组件
2. 内部使用了另外3个组件
   1. ShopCart: 购物车组件
   2. CartControl: 购物车操作组件
   3. Food: 食品详情组件
3. 使用第三方库better-scroll: UI滑动

### 2.23.3. 静态模板

|  |
| --- |
| <**div**>  <**div class="goods"**>  <**div class="menu-wrapper"**>  <**ul**>  <**li class="menu-item current"**>  <**img class="icon" src="**https://fuss10.elemecdn.com/0/6a/05b267f338acfeb8bd682d16e836dpng.png**"**>  <**span class="text bottom-border-1px"**>折扣</**span**>  </**li**>  <**li class="menu-item"**>  <**span class="text bottom-border-1px"**>  <**img class="icon" src="**https://fuss10.elemecdn.com/b/91/8cf4f67e0e8223931cd595dc932fepng.png**"**>  优惠  </**span**>  </**li**>  </**ul**>  </**div**>  <**div class="foods-wrapper"**>  <**ul**>  <**li class="food-list-hook"**>  <**h1 class="title"**>折扣</**h1**>  <**ul**>  <**li class="food-item bottom-border-1px"**>  <**div class="icon"**>  <**img width="57" height="57"  src="http://fuss10.elemecdn.com/8/a6/453f65f16b1391942af11511b7a90jpeg.jpeg?imageView2/1/w/114/h/114"**>  </**div**>  <**div class="content"**>  <**h2 class="name"**>南瓜粥</**h2**>  <**p class="desc"**>甜粥</**p**>  <**div class="extra"**>  <**span class="count"**>月售91份</**span**>  <**span**>好评率100%</**span**></**div**>  <**div class="price"**>  <**span class="now"**>￥9</**span**>  </**div**>  <**div class="cartcontrol-wrapper"**>  CartControl组件  </**div**>  </**div**>  </**li**>  <**li class="food-item bottom-border-1px"**>  <**div class="icon"**>  <**img width="57" height="57"  src="http://fuss10.elemecdn.com/d/22/260bd78ee6ac6051136c5447fe307jpeg.jpeg?imageView2/1/w/114/h/114"**>  </**div**>  <**div class="content"**>  <**h2 class="name"**>红豆薏米美肤粥</**h2**>  <**p class="desc"**>甜粥</**p**>  <**div class="extra"**>  <**span class="count"**>月售86份</**span**>  <**span**>好评率100%</**span**>  </**div**>  <**div class="price"**>  <**span class="now"**>￥12</**span**>  </**div**>  <**div class="cartcontrol-wrapper"**>  CartControl组件  </**div**>  </**div**>  </**li**>  </**ul**>  </**li**>  <**li class="food-list food-list-hook"**>  <**h1 class="title"**>香浓甜粥</**h1**>  <**ul**>  <**li class="food-item bottom-border-1px"**>  <**div class="icon"**>  <**img width="57" height="57" src="http://fuss10.elemecdn.com/6/72/cb844f0bb60c502c6d5c05e0bddf5jpeg.jpeg?imageView2/1/w/114/h/114"**>  </**div**>  <**div class="content"**>  <**h2 class="name"**>红枣山药粥</**h2**>  <**p class="desc"**>红枣山药糙米粥,素材包</**p**>  <**div class="extra"**>  <**span class="count"**>月售17份</**span**>  <**span**>好评率100%</**span**>  </**div**>  <**div class="price"**>  <**span class="now"**>￥29</**span**>  <**span class="old"**>￥36</**span**>  </**div**>  <**div class="cartcontrol-wrapper"**>  CartControl组件  </**div**>  </**div**>  </**li**>  </**ul**>  </**li**>  </**ul**>  </**div**>  </**div**> </**div**> |

### 2.23.4. stylus样式

|  |
| --- |
| <**style lang="stylus" rel="stylesheet/stylus"**>  **@import "../../../common/stylus/mixins.styl"** .**goods  display**: **flex  position**: **absolute  top**: 275**px  bottom**: 46**px  width**: 100%  **background**: **#fff**;  **overflow**: **hidden** .**menu-wrapper  flex**: 0 0 80**px  width**: 80**px  background**: **#f3f5f7** .**menu-item  display**: **table  height**: 54**px  width**: 56**px  padding**: 0 12**px  line-height**: 14**px  &**.**current  position**: **relative  z-index**: 10  **margin-top**: -1**px  background**: **#fff  color**: **$green  font-weight**: 700  .**text  border-none**()  .**icon  display**: **inline-block  vertical-align**: **top  width**: 12**px  height**: 12**px  margin-right**: 2**px  background-size**: 12**px** 12**px  background-repeat**: **no-repeat** .**text  display**: **table-cell  width**: 56**px  vertical-align**: **middle  bottom-border-1px**(**rgba**(7, 17, 27, 0.1))  **font-size**: 12**px** .**foods-wrapper  flex**: 1  .**title  padding-left**: 14**px  height**: 26**px  line-height**: 26**px  border-left**: 2**px solid #d9dde1  font-size**: 12**px  color**: **rgb**(147, 153, 159)  **background**: **#f3f5f7** .**food-item  display**: **flex  margin**: 18**px  padding-bottom**: 18**px  bottom-border-1px**(**rgba**(7, 17, 27, 0.1))  **&**:**last-child  border-none**()  **margin-bottom**: 0  .**icon  flex**: 0 0 57**px  margin-right**: 10**px** .**content  flex**: 1  .**name  margin**: 2**px** 0 8**px** 0  **height**: 14**px  line-height**: 14**px  font-size**: 14**px  color**: **rgb**(7, 17, 27)  .**desc**, .**extra  line-height**: 10**px  font-size**: 10**px  color**: **rgb**(147, 153, 159)  .**desc  line-height**: 12**px  margin-bottom**: 8**px** .**extra** .**count  margin-right**: 12**px** .**price  font-weight**: 700  **line-height**: 24**px** .**now  margin-right**: 8**px  font-size**: 14**px  color**: **rgb**(240, 20, 20)  .**old  text-decoration**: **line-through  font-size**: 10**px  color**: **rgb**(147, 153, 159)  .**cartcontrol-wrapper  position**: **absolute  right**: 0  **bottom**: 12**px** </**style**> |

### 2.23.5. ShopGoods.vue

|  |
| --- |
| <**template**>  <**div**>  <**div class="goods"**>  <**div class="menu-wrapper" ref="menuWrapper"**>  <**ul**>  <**li class="menu-item" v-for="**(***item***, ***index***) in **goods"  :class="**{**current**:currentIndex===***index***}**"  @click="**clickMenuItem(***index***,$event)**"**>  <**span class="text border-1px"**>  <**img class="icon" v-if="good**.**icon" :src="good**.**icon"**>  {{**good**.**name**}}  </span>  </**li**>  </**ul**>  </**div**>  <**div class="foods-wrapper" ref="foodsWrapper"**>  <**ul ref="foodsWarpperUl"**>  <**li class="food-list food-list-hook" v-for="*item*** in **goods"**>  <**h1 class="title"**>{{***item***.**name**}}</**h1**>  <**ul**>  <**li class="food-item border-1px" v-for="**food in ***item***.**foods"**>  <**div class="icon"**>  <**img width="57" height="57"  :src="**food.icon**"**>  </**div**>  <**div class="content"**>  <**h2 class="name"**>{{food.**name**}}</**h2**>  <**p class="desc"**>{{food.**description**}}</**p**>  <**div class="extra"**>  <**span class="count"**>月售{{food.sellCount}}份</**span**>  <**span**>好评率{{food.rating}}%</**span**>  </**div**>  <**div class="price"**>  <**span class="now"**>￥{{food.price}}</**span**>  <**span class="old" v-show="**food.oldPrice**"**>￥{{food.oldPrice}}</**span**>  </**div**>  <**div class="cartcontrol-wrapper"**>  CartControl组件  </**div**>  </**div**>  </**li**>  </**ul**>  </**li**>  </**ul**>  </**div**>  </**div**>  </**div**> </**template**>  <**script**>  **import** {mapState} **from 'vuex'  import** BScroll **from 'better-scroll'   export default**{  data () {  **return** {  **scrollY**: 0, *//右侧Y轴滑动的坐标* **tops**: [], *// 包含右侧所有分类小列表的top值* }  },  mounted () {  *// 使用axios请求mockjs提供的接口* **this**.$store.**dispatch**(**'getShopGoods'**, () => {*// goods更新了, 界面还没有更新* **this**.$nextTick(() => {  *// 初始化滚动* **this**.\_initScroll()  *// 初始化tops* **this**.\_initTops()  })  })  },   **methods**: {  \_initScroll () {  *// 左侧分类列表的BScroll* **new *BScroll***(**'.menu-wrapper'**,{  **click**: **true** *//响应点击* })  *// 右侧food列表的BScroll* **this**.**foodsScroll** = **new *BScroll***(**'.foods-wrapper'**,{  **probeType**: 2, *// 手指滑动(惯性滑动和编码滑动不监视)* **click**: **true** *//响应点击* })   *// 监视滑动过程* **this**.**foodsScroll**.on(**'scroll'**, (pos) => {  ***console***.log(pos.y)  *// 保存y* **this**.**scrollY** = ***Math***.abs(pos.y)  })  *// 监视滑动结束* **this**.**foodsScroll**.on(**'scrollEnd'**,(pos) => {  ***console***.log(**'滑动结束'**, pos.y)  **this**.**scrollY** = ***Math***.abs(pos.y) *// 解决惯性滑动更新* })  },   \_initTops () {  **const** tops = []  **let** top = 0  *// 计算各个 top, 并保存到tops* tops.push(top)   *// 得到ul下所有的子li* **const** lis = **this**.$refs.foodsWarpperUl.getElementsByClassName(**'food-list-hook'**)  Array.**prototype**.slice.call(lis).forEach((li, index) => {  top += li.clientHeight  tops.push(top)  })  *// 保存tops* **this**.**tops** = tops  ***console***.log(**this**.**tops**)  },   clickMenuItem (index) {   *// 得到滚动目标坐标* **const** top = **this**.**tops**[index]  *// 更新目标scrollY值* **this**.**scrollY** = top  *// 平滑滚动到指定位置* **this**.**foodsScroll**.scrollTo(0, -top, 300)  }  },   **computed**: {  ...mapState([**'goods'**]),  currentIndex () {  **return this**.**tops**.findIndex((top, index)=> {  **return this**.***scrollY***>=top && **this**.***scrollY***<**this**.**tops**[index+1]  })  }  }  } </**script**> |

## 2.24. 开发CartControl组件

### 2.24.1. 静态模板

|  |
| --- |
| <**div class="cartcontrol"**>  <**div class="iconfont icon-remove\_circle\_outline"**></**div**>  <**div class="cart-count"**>1</**div**>  <**div class="iconfont icon-add\_circle"**></**div**> </**div**> |

### 2.24.2. stylus样式

|  |
| --- |
| <**style lang="stylus" rel="stylesheet/stylus"**>  **@import "../../common/stylus/mixins.styl"** .**cartcontrol  font-size**: 0  .**cart-decrease  display**: **inline-block  padding**: 6**px  line-height**: 24**px  font-size**: 24**px  color**: **rgb**(0, 160, 220)   .**icon-remove\_circle\_outline  display**: **inline-block  padding** 6**px  line-height** 24**px  font-size** 24**px  color $green**  .**cart-count  display**: **inline-block  vertical-align**: **top  width**: 12**px  padding-top**: 6**px  line-height**: 24**px  text-align**: **center  font-size**: 10**px  color**: **rgb**(147, 153, 159)  .**icon-add\_circle  display**: **inline-block  padding**: 6**px  line-height**: 24**px  font-size**: 24**px  color $green** </**style**> |

### 2.24.3. 页面模板

|  |
| --- |
| <**template**>  <**div class="cartcontrol"**>  <**transition name="move"**>  <**div class="iconfont icon-remove\_circle\_outline" v-show="food**.count**" @click="**updateFoodCount(**false**)**"**></**div**>  </**transition**>  <**div class="cart-count" v-show="food**.count**"**>{{**food**.count}}</**div**>  <**div class="iconfont icon-add\_circle" @click="**updateFoodCount(**true**)**"**></**div**>  </**div**> </**template**> |

### 2.24.4. JS

|  |
| --- |
| <**script**>  **export default** {  **props**: {  **food**: ***Object*** },   **methods**: {  *// 更新food的count* updateFoodCount (isAdd) {  **const** {food} = **this** *// 通知action更新* **this**.$store.**dispatch**(**'updateFoodCount'**, {food, isAdd})  }  }  } </**script**> |

### 2.24.5. vuex

* state.js

|  |
| --- |
| **shopCart**: [], *//购物车* |

* mutation-types.js

|  |
| --- |
| **export const** INCREMENT\_FOOD\_COUNT = **'increment\_food\_count'** *// 增加food的count* **export const** DECREMENT\_FOOD\_COUNT = **'decrement\_food\_count'** *// 减少food的count* |

* mutations.js

|  |
| --- |
| [INCREMENT\_FOOD\_COUNT](state, {food}) {  **if**(!food.**count**) { *// 第一次增加时, 没有count  // food.count = 1 // 添加count属性, 并指定为1  // 问题: 新添加的属性没有数据劫持==>数据绑定==>更新了数据但界面不变* Vue.set(food, **'count'**, 1) *// 给有数据绑定的对象添加指定属性名和值的属性(有绑定)* state.**shopCart**.push(food) *// 添加到购物车* } **else** { *// 有count* food.**count**++  } }, [DECREMENT\_FOOD\_COUNT](state, {food}) {  **if**(food.**count**) { *// count有值才减1* food.**count**--  **if**(food.**count**===0) {*// 如果数量减为0, 从购物车中移除* state.**shopCart**.splice(state.**shopCart**.indexOf(food), 1)  }  } }, |

* actions.js

|  |
| --- |
| *// 更新指定food的count* updateFoodCount ({commit}, {food, isAdd}) {  **if**(isAdd) { *// 增加* commit(INCREMENT\_FOOD\_COUNT, {food})  } **else** { *// 减少* commit(DECREMENT\_FOOD\_COUNT, {food})  } }, |

### 2.24.6. ShopGoods.vue

|  |
| --- |
| <**CartControl :food="food"**/> |

## 2.25. 开发ShopCart组件

### 2.25.1. 静态模板

|  |
| --- |
| <**div**>  <**div class="shopcart"**>  <**div class="content"**>  <**div class="content-left"**>  <**div class="logo-wrapper"**>  <**div class="logo highlight"**>  <**i class="iconfont icon-shopping\_cart highlight"**></**i**>  </**div**>  <**div class="num"**>1</**div**>  </**div**>  <**div class="price highlight"**>￥10</**div**>  <**div class="desc"**>另需配送费￥4元</**div**>  </**div**>  <**div class="content-right"**>  <**div class="pay not-enough"**>  还差￥10元起送  </**div**>  </**div**>  </**div**>  <**div class="shopcart-list" style="display: none;"**>  <**div class="list-header"**>  <**h1 class="title"**>购物车</**h1**>  <**span class="empty"**>清空</**span**>  </**div**>  <**div class="list-content"**>  <**ul**>  <**li class="food"**>  <**span class="name"**>红枣山药糙米粥</**span**>  <**div class="price"**><**span**>￥10</**span**></**div**>  <**div class="cartcontrol-wrapper"**>  <**div class="cartcontrol"**>  <**div class="iconfont icon-remove\_circle\_outline"**></**div**>  <**div class="cart-count"**>1</**div**>  <**div class="iconfont icon-add\_circle"**></**div**>  </**div**>  </**div**>  </**li**>  </**ul**>  </**div**>  </**div**>  </**div**>  <**div class="list-mask" style="display: none;"**></**div**> </**div**> |

### 2.25.2. stylus样式

|  |
| --- |
| <**style lang="stylus" rel="stylesheet/stylus" scoped**>  **@import "../../common/stylus/mixins.styl"** .**shopcart  position**: **fixed  left**: 0  **bottom**: 0  **z-index**: 50  **width**: 100%  **height**: 48**px** .**content  display**: **flex  background**: **#141d27  font-size**: 0  **color**: **rgba**(255, 255, 255, 0.4)  .**content-left  flex**: 1  .**logo-wrapper  display**: **inline-block  vertical-align**: **top  position**: **relative  top**: -10**px  margin**: 0 12**px  padding**: 6**px  width**: 56**px  height**: 56**px  box-sizing**: **border-box  border-radius**: 50%  **background**: **#141d27** .**logo  width**: 100%  **height**: 100%  **border-radius**: 50%  **text-align**: **center  background**: **#2b343c  &**.**highlight  background**: **$green** .**icon-shopping\_cart  line-height**: 44**px  font-size**: 24**px  color**: **#80858a  &**.**highlight  color**: **#fff** .**num  position**: **absolute  top**: 0  **right**: 0  **width**: 24**px  height**: 16**px  line-height**: 16**px  text-align**: **center  border-radius**: 16**px  font-size**: 9**px  font-weight**: 700  **color**: **#ffffff  background**: **rgb**(240, 20, 20)  **box-shadow**: 0 4**px** 8**px** 0 **rgba**(0, 0, 0, 0.4)  .**price  display**: **inline-block  vertical-align**: **top  margin-top**: 12**px  line-height**: 24**px  padding-right**: 12**px  box-sizing**: **border-box  border-right**: 1**px solid rgba**(255, 255, 255, 0.1)  **font-size**: 16**px  font-weight**: 700  **&**.**highlight  color**: **#fff** .**desc  display**: **inline-block  vertical-align**: **top  margin**: 12**px** 0 0 12**px  line-height**: 24**px  font-size**: 10**px** .**content-right  flex**: 0 0 105**px  width**: 105**px** .**pay  height**: 48**px  line-height**: 48**px  text-align**: **center  font-size**: 12**px  font-weight**: 700  **&**.**not-enough  background**: **#2b333b  &**.**enough  background**: **#00b43c  color**: **#fff** .**shopcart-list  position**: **absolute  left**: 0  **top**: 0  **z-index**: -1  **width**: 100%  .**list-header  height**: 40**px  line-height**: 40**px  padding**: 0 18**px  background**: **#f3f5f7  border-bottom**: 1**px solid rgba**(7, 17, 27, 0.1)  .**title  float**: **left  font-size**: 14**px  color**: **rgb**(7, 17, 27)  .**empty  float**: **right  font-size**: 12**px  color**: **rgb**(0, 160, 220)   .**list-content  padding**: 0 18**px  max-height**: 217**px  overflow**: **hidden  background**: **#fff** .**food  position**: **relative  padding**: 12**px** 0  **box-sizing**: **border-box  bottom-border-1px**(**rgba**(7, 17, 27, 0.1))  .**name  line-height**: 24**px  font-size**: 14**px  color**: **rgb**(7, 17, 27)  .**price  position**: **absolute  right**: 90**px  bottom**: 12**px  line-height**: 24**px  font-size**: 14**px  font-weight**: 700  **color**: **rgb**(240, 20, 20)  .**cartcontrol-wrapper  position**: **absolute  right**: 0  **bottom**: 6**px** .**list-mask  position**: **fixed  top**: 0  **left**: 0  **width**: 100%  **height**: 100%  **z-index**: 40  **backdrop-filter**: **blur**(10**px**)  **opacity**: 1  **background**: **rgba**(7, 17, 27, 0.6)  **&**.**fade-enter-active**, **&**.**fade-leave-active  transition**: **all** 0.5**s  &**.**fade-enter**, **&**.**fade-leave-to  opacity**: 0 </**style**> |

### 2.25.3. 页面模板

|  |
| --- |
| <**template**>  <**div**>  <**div class="shopcart"**>  <**div class="content"**>  <**div class="content-left" @click="**toggleShow**"**>  <**div class="logo-wrapper"**>  <**div class="logo" :class="**{**highlight**: totalCount>0}**"**>  <**i class="iconfont icon-shopping\_cart" :class="**{**highlight**: totalCount>0}**"**></**i**></**div**>  <**div class="num" v-if="**totalCount**"**>{{totalCount}}</**div**>  </**div**>  <**div class="price" :class="**{**highlight**: totalCount>0}**"**>￥{{totalPrice}}</**div**>  <**div class="desc"**>另需配送费￥{{info.deliveryPrice}}元</**div**>  </**div**>  <**div class="content-right"**>  <**div class="pay" :class="**payClass**"**>  {{payText}}  </**div**>  </**div**>  </**div**>  <**transition name="move"**>  <**div class="shopcart-list" v-show="**listShow**"**>  <**div class="list-header"**>  <**h1 class="title"**>购物车</**h1**>  <**span class="empty" @click="*clear*"**>清空</**span**>  </**div**>  <**div class="list-content" id="listContent"**>  <**ul** >  <**li class="food" v-for="**(**food**, ***index***) in **shopCart" :key="*index*"**>  <**span class="name"**>{{**food**.**name**}}</**span**>  <**div class="price"**><**span** >￥{{**food**.price}}</**span**></**div**>  <**div class="cartcontrol-wrapper"**>  <**CartControl :food="food"**/>  </**div**>  </**li**>  </**ul**>  </**div**>  </**div**>  </**transition**>   </**div**>  <**transition name="fade"**>  <**div class="list-mask" v-show="**listShow**" @click="**toggleShow**"**></**div**>  </**transition**>  </**div**> </**template**> |

### 2.25.4. JS

|  |
| --- |
| <**script**>  **import** BScroll **from 'better-scroll'  import** { mapState, mapGetters } **from 'vuex'  import** CartControl **from '../CartControl/CartControl.vue'   export default** {   data () {  **return** {  **isShow**: **false** }  },   **computed**: {  ...mapState([**'info'**, **'shopCart'**]),  ...mapGetters([**'totalCount'**, **'totalPrice'**]),   payClass () {  **const** {totalPrice} = **this  const** {minPrice} = **this**.**info  return** totalPrice>=minPrice ? **'enough'** : **'not-enough'** },   payText () {  **const** {totalPrice} = **this  const** {minPrice} = **this**.**info  if**(totalPrice===0) {  **return `￥**${minPrice}**元起送`** } **else if**(totalPrice<minPrice) {  **return `还差￥**${minPrice-totalPrice}**元起送`** } **else** {  **return '去结算'** }  },   *// 购物车列表是否显示* listShow () {  *// 如果没有数量, 直接不显示* **if**(**this**.totalCount===0) {  *// 将isShow改为false* **this**.**isShow** = **false  return false** }   **if**(**this**.**isShow**) { *// 变为打开* **this**.$nextTick(() => {  *// 在界面更新后创建BScroll(只能创建一个)   /\*  单例:  1. 在创建前, 判断是否存在,只有不存在, 才去创建  2. 创建后, 保存它  \*/* **if**(!**this**.**scroll**) { *// 第一次打开* **this**.**scroll** = **new *BScroll***(**'#listContent'**, {  **click**: **true** })  } **else** {*// 后面打开  // 通知scroll对象* **this**.**scroll**.refresh()  }  })  }   *// 只需要看isShow* **return this**.**isShow** }  },   **methods**: {  toggleShow () {  **if**(**this**.totalCount) { *// 只有有数量时切换* **this**.**isShow** = !**this**.**isShow** }  },   clear () {  **if**(**window**.confirm(**'确定要清空购物车吗?'**)) {  **this**.$store.**dispatch**(**'clearCart'**)  }  }  },   **components**: {  CartControl  }  } </**script**> |

### 2.25.5. vuex

* mutation-types.js

|  |
| --- |
| **export const** CLEAR\_CART = **'clear\_cart'** *// 清空购物车* |

* mutations.js

|  |
| --- |
| [CLEAR\_CART](state) {  *// 将所有food的count置为0* state.**shopCart**.forEach(food => food.**count** = 0)  *// 将购物车重置为空数组* state.**shopCart** = [] } |

* actions.js

|  |
| --- |
| *// 清空购物车* clearCart ({commit}) {  commit(CLEAR\_CART) } |

* getters.js

|  |
| --- |
| *// 总数量* totalCount (state) {  **return** state.**shopCart**.reduce((preTotal, food) => {  **return** preTotal + food.**count** }, 0) }, *// 总价格* totalPrice (state) {  **return** state.**shopCart**.reduce((preTotal, food) => {  **return** preTotal + food.**count**\*food.price  }, 0) } |

## 2.26. 开发RatingSelect组件

### 2.26.1. 静态模板

|  |
| --- |
| <**template**>  <**div class="ratingselect"**>  <**div class="rating-type border-1px"**>  <**span class="block"**>  全部<**span class="count"**>1</**span**>  </**span**>  <**span class="block active"**>  推荐<**span class="count"**>1</**span**>  </**span**>  <**span class="block"**>  吐槽<**span class="count"**>0</**span**>  </**span**>  </**div**>  <**div class="switch on"**>  <**span class="iconfont icon-check\_circle"**></**span**>  <**span class="text"**>只看有内容的评价</**span**>  </**div**>  </**div**> </**template**> |

### 2.26.2. stylus样式

|  |
| --- |
| <**style lang="stylus" rel="stylesheet/stylus" scoped**>  **@import "../../common/stylus/mixins.styl"** .**ratingselect** .**rating-type  padding**: 18**px** 0  **margin**: 0 18**px  border-1px**(**rgba**(7, 17, 27, 0.1))  **font-size**: 0  .**block  display**: **inline-block  padding**: 8**px** 12**px  margin-right**: 8**px  line-height**: 16**px  border-radius**: 1**px  font-size**: 12**px  color**: **rgb**(77, 85, 93)  **background**: **rgba**(77, 85, 93, 0.2)  **&**.**active  background**: **$green  color**: **#fff** .**count  margin-left**: 2**px  font-size**: 8**px** .**switch  padding**: 12**px** 18**px  line-height**: 24**px  border-bottom**: 1**px solid rgba**(7, 17, 27, 0.1)  **color**: **rgb**(147, 153, 159)  **font-size**: 0  **&**.**on** .**icon-check\_circle  color**: **$green** .**icon-check\_circle  display**: **inline-block  vertical-align**: **top  margin-right**: 4**px  font-size**: 24**px** .**text  display**: **inline-block  vertical-align**: **top  font-size**: 12**px** </**style**> |

### 2.26.3. 页面模板

|  |
| --- |
| <**template**>  <**div class="ratingselect"**>  <**div class="rating-type border-1px"**>  <**span class="block positive" :class="**{**active**: **selectType**===2}**" @click="**setSelectType(2, $event)**"**>  {{desc.all}}<**span class="count"**>{{ratings.**length**}}</**span**>  </**span**>  <**span class="block positive" :class="**{**active**: **selectType**===0}**" @click="**setSelectType(0, $event)**"**>  {{desc.positive}}<**span class="count"**>{{positiveLength}}</**span**>  </**span**>  <**span class="block negative" :class="**{**active**: **selectType**===1}**" @click="**setSelectType(1, $event)**"**>  {{desc.negative}}<**span class="count"**>{{ratings.**length** - positiveLength}}</**span**>  </**span**>  </**div**>   <**div class="switch" :class="**{**on**: **onlyContent**}**" @click="**toggleOnlyContent**"**>  <**span class="iconfont icon-check\_circle"**></**span**>  <**span class="text"**>只看有内容的评价</**span**>  </**div**>   </**div**> </**template**> |

### 2.26.4. JS

|  |
| --- |
| <**script**>  **export default** {  **props**: {  **desc**: ***Object***,  **onlyContent**: Boolean,  **ratings**: Array,  **selectType**: ***Number*** },   **computed**: {  positiveLength () {  **return this**.**ratings**.reduce((preTotal, rating) => {  **return** preTotal + (rating.rateType===0 ? 1 : 0)  }, 0)  }  },   **methods**: {  setSelectType (type, event) {  **if**(!event.**\_constructed**) {  **return** }  *// 触发事件* **this**.$emit(**'setSelectType'**, type)  },   toggleOnlyContent (event) {  **if**(!event.**\_constructed**) {  **return** }  *// 触发事件* **this**.$emit(**'toggleOnlyContent'**)  }  }  } </**script**> |

## 2.27. 开发Food组件

### 2.27.1. 静态模板

|  |
| --- |
| <**template**>  <**div class="food"**>  <**div class="food-content"**>  <**div class="image-header"**>  <**img src="http://fuss10.elemecdn.com/8/a6/453f65f16b1391942af11511b7a90jpeg.jpeg?imageView2/1/w/750/h/750"**>  <**p class="foodpanel-desc"**>主、辅料:水、大米、南瓜、冰糖等</**p**>  <**div class="back"**>  <**i class="iconfont icon-arrow\_left"**></**i**>  </**div**>  </**div**>  <**div class="content"**>  <**h1 class="title"**>南瓜粥</**h1**>  <**div class="detail"**>  <**span class="sell-count"**>月售91份</**span**>  <**span class="rating"**>好评率100%</**span**>  </**div**>  <**div class="price"**>  <**span class="now"**>￥9</**span**>  <**span class="old" style="display: none;"**>￥</**span**>  </**div**>  <**div class="cartcontrol-wrapper"**>  cartcontrol组件  </**div**>  </**div**>  </**div**>  <**div class="food-cover"**></**div**>  </**div**> </**template**> |

### 2.27.2. stylus样式

|  |
| --- |
| <**style lang="stylus" rel="stylesheet/stylus" scoped**>  **@import "../../common/stylus/mixins.styl"** .**food  position**: **fixed  left**: 0  **top**: 0  **bottom**: 48**px  z-index**: 101  **width**: 100%  **&**.**fade-enter-active**, **&**.**fade-leave-active  transition opacity** .5**s  &**.**fade-enter**, **&**.**fade-leave-to  opacity** 0  .**food-content  position absolute  left** 50%  **top** 50%  **transform translate**(-50%, -50%)  **width** 80%  **height** 65%  **z-index** 66  **background #fff  border-radius** 5**px** .**image-header  position**: **relative  width**: 100%  **height**: 0  **padding-top**: 100%  **img  position**: **absolute  top**: 0  **left**: 0  **width**: 100%  **height**: 100%  .**foodpanel-desc  font-size** 10**px  color #ddd  letter-spacing** 0  **position absolute  bottom** 0  **left** 0  **right** 0  **padding** 0 10**px** 10**px** .**back  position**: **absolute  top**: 10**px  left**: 0  .**icon-arrow\_left  display**: **block  padding**: 10**px  font-size**: 20**px  color**: **#fff** .**content  position**: **relative  padding**: 18**px** .**title  line-height**: 14**px  margin-bottom**: 8**px  font-size**: 14**px  font-weight**: 700  **color**: **rgb**(7, 17, 27)  .**detail  margin-bottom**: 18**px  line-height**: 10**px  height**: 10**px  font-size**: 0  .**sell-count**, .**rating  font-size**: 10**px  color**: **rgb**(147, 153, 159)  .**sell-count  margin-right**: 12**px** .**price  font-weight**: 700  **line-height**: 24**px** .**now  margin-right**: 8**px  font-size**: 14**px  color**: **rgb**(240, 20, 20)  .**old  text-decoration**: **line-through  font-size**: 10**px  color**: **rgb**(147, 153, 159)  .**cartcontrol-wrapper  position**: **absolute  right**: 12**px  bottom**: 12**px** .**buy  position**: **absolute  right**: 18**px  bottom**: 18**px  z-index**: 10  **height**: 24**px  line-height**: 24**px  padding**: 0 12**px  box-sizing**: **border-box  border-radius**: 12**px  font-size**: 10**px  color**: **#fff  background**: **rgb**(0, 160, 220)  **&**.**fade-transition  transition**: **all** 0.2**s  opacity**: 1  **&**.**fade-enter**, **&**.**fade-leave  opacity**: 0  .**food-cover  position absolute  top** 0  **right** 0  **bottom** -48**px  left** 0  **z-index** 55  **background-color rgba**(0, 0, 0, 0.5)  </**style**> |

### 2.27.3. 页面模板

|  |
| --- |
| <**template**>  <**transition name="fade"**>  <**div class="food" v-if="isShow" ref="food"**>  <**div class="food-content"**>  <**div class="image-header"**>  <**img v-lazy="food**.image**"**>  <**p class="foodpanel-desc"**>{{**food**.info}}</**p**>  <**div class="back" @click="**toggleShow**"**>  <**i class="iconfont icon-arrow\_left"**></**i**>  </**div**>  </**div**>   <**div class="content"**>  <**h1 class="title"**>{{**food**.name}}</**h1**>  <**div class="detail"**>  <**span class="sell-count"**>月售{{**food**.sellCount}}份</**span**>  <**span class="rating"**>好评率{{**food**.rating}}%</**span**>  </**div**>  <**div class="price"**>  <**span class="now"**>￥{{**food**.price}}</**span**>  <**span class="old" v-show="food**.oldPrice**"**>￥{{**food**.oldPrice}}</**span**></**div**>  <**div class="cartcontrol-wrapper"**>  <**cart-control :food="food"**/>  </**div**>  </**div**>  </**div**>  <**div class="food-cover" @click="**toggleShow**"**></**div**>  </**div**>  </**transition**> </**template**> |

### 2.27.4. JS

|  |
| --- |
| <**script**>  **import** BScroll **from 'better-scroll'  import** CartControl **from '../CartControl/CartControl.vue'  import** RatingSelect **from '../RatingSelect/RatingSelect.vue'   const *ALL*** = 2 *// 全部* **export default** {  **props**: {  **food**: ***Object*** },   data () {  **return** {  **isShow**: **false**,  **onlyContent**: **false**,  **selectType**: ***ALL*** }  },   **methods**: {  showOrHide(isShow) { *// 显示/隐藏当前food* **this**.**isShow** = isShow   **if**(**this**.**isShow**) { *// 只有显示时才需要做* **this**.$nextTick(() => {  **if**(!**this**.**scroll**) {  **this**.**scroll** = **new *BScroll***(**this**.$refs.**food**, {  **click**:**true** })  } **else** {  **this**.**scroll**.refresh()  }  })  }  },   *// 切换onlyContent* toggleOnlyContent () {  **this**.**onlyContent** = !**this**.**onlyContent** *// 刷新列表* **this**.$nextTick(() => {  **this**.**scroll**.refresh()  })  },   *// 更新selectType* setSelectType (selectType) {  **this**.**selectType** = selectType  *// 刷新列表* **this**.$nextTick(() => {  **this**.**scroll**.refresh()  })  },   addToCart () {  **this**.$store.**dispatch**(**'updateFoodCount'**, {**food**: **this**.**food**, **isAdd**: **true**})  }  },   **computed**: {  filterRatings () {  *// 如果还没有数据, 直接返回空数组* **if**(!**this**.**food**.ratings) {  **return** []  }  *// 取出相关的数据* **const** ratings = **this**.**food**.ratings  **const** selectType = **this**.**selectType  const** onlyContent = **this**.**onlyContent** *// 通过数组的filter方法进行过滤* **return** ratings.filter(rating => {  **var** {rateType, text} = rating *// 解构赋值* **if**(selectType===2) {  **return** !onlyContent || text.**length**>0  } **else** {  **return** selectType===rateType && (!onlyContent || text.**length**>0)  }  })  }  },   **components**: {  CartControl,  RatingSelect  }  } </**script**> |

### 2.27.6. 使用组件标签: ShopGoods.vue

|  |
| --- |
| <**li class="food-item border-1px" v-for="food in item.foods"  :key="*index*" @click="showFood(food)"**>  <**Food :food="selectedFood" ref="food"**></**Food**>  data () {  **return** {  **selectedFood**: {}  } },  methods: {  showFood(food) {  **this**.**selectedFood** = food  **this**.$refs.**food**.**showOrHide**(true)  } }  **components**: {  Food } |

## 2.28. 开发ShopRatings组件

### 2.28.1. 静态模板

|  |
| --- |
| <**template**>  <**div class="ratings"**>  <**div class="ratings-content"**>  <**div class="overview"**>  <**div class="overview-left"**>  <**h1 class="score"**>4.5</**h1**>  <**div class="title"**>综合评分</**div**>  <**div class="rank"**>高于周边商家90%</**div**>  </**div**>  <**div class="overview-right"**>  <**div class="score-wrapper"**>  <**span class="title"**>服务态度</**span**>  <**div**>Star组件</**div**>  <**span class="score"**>4.4</**span**>  </**div**>  <**div class="score-wrapper"**>  <**span class="title"**>商品评分</**span**>  <**div**>Star组件</**div**>  <**span class="score"**>4.6</**span**></**div**>  <**div class="delivery-wrapper"**>  <**span class="title"**>送达时间</**span**>  <**span class="delivery"**>30分钟</**span**>  </**div**>  </**div**>  </**div**>   <**div class="split"**></**div**>   <**div**>RatingSelect组件</**div**>   <**div class="rating-wrapper"**>  <**ul**>  <**li class="rating-item"**>  <**div class="avatar"**>  <**img width="28" height="28" src="http://static.galileo.xiaojukeji.com/static/tms/default\_header.png"**>  </**div**>  <**div class="content"**>  <**h1 class="name"**>xxx</**h1**>  <**div class="star-wrapper"**>  <**div**>Star组件</**div**>  <**span class="delivery"**>30</**span**>  </**div**>  <**p class="text"**>还可以</**p**>  <**div class="recommend"**>  <**span class="iconfont icon-thumb\_up"**></**span**>  </**div**>  <**div class="time"**>2016-12-11 12:02:13</**div**>  </**div**>  </**li**>  </**ul**>  </**div**>  </**div**>  </**div**> </**template**> |

### 2.28.1. stylus样式

|  |
| --- |
| <**style lang="stylus" rel="stylesheet/stylus"**>  **@import "../../../common/stylus/mixins.styl"** .**ratings  position**: **absolute  top**: 225**px  bottom**: 0  **left**: 0  **width**: 100%  **overflow**: **hidden  background**: **#fff** .**overview  display**: **flex  padding**: 18**px** 0  .**overview-left  flex**: 0 0 137**px  padding**: 6**px** 0  **width**: 137**px  border-right**: 1**px solid rgba**(7, 17, 27, 0.1)  **text-align**: **center  @media only screen and** (**max-width**: 320**px**)  **flex**: 0 0 120**px  width**: 120**px** .**score  margin-bottom**: 6**px  line-height**: 28**px  font-size**: 24**px  color**: **rgb**(255, 153, 0)  .**title  margin-bottom**: 8**px  line-height**: 12**px  font-size**: 12**px  color**: **rgb**(7, 17, 27)  .**rank  line-height**: 10**px  font-size**: 10**px  color**: **rgb**(147, 153, 159)  .**overview-right  flex**: 1  **padding**: 6**px** 0 6**px** 24**px  @media only screen and** (**max-width**: 320**px**)  **padding-left**: 6**px** .**score-wrapper  margin-bottom**: 8**px  font-size**: 0  .**title  display**: **inline-block  line-height**: 18**px  vertical-align**: **top  font-size**: 12**px  color**: **rgb**(7, 17, 27)  .**star  display**: **inline-block  margin**: 0 12**px  vertical-align**: **top** .**score  display**: **inline-block  line-height**: 18**px  vertical-align**: **top  font-size**: 12**px  color**: **rgb**(255, 153, 0)  .**delivery-wrapper  font-size**: 0  .**title  line-height**: 18**px  font-size**: 12**px  color**: **rgb**(7, 17, 27)  .**delivery  margin-left**: 12**px  font-size**: 12**px  color**: **rgb**(147, 153, 159)  .**rating-wrapper  padding**: 0 18**px** .**rating-item  display**: **flex  padding**: 18**px** 0  **bottom-border-1px**(**rgba**(7, 17, 27, 0.1))  .**avatar  flex**: 0 0 28**px  width**: 28**px  margin-right**: 12**px  img  border-radius**: 50%  .**content  position**: **relative  flex**: 1  .**name  margin-bottom**: 4**px  line-height**: 12**px  font-size**: 10**px  color**: **rgb**(7, 17, 27)  .**star-wrapper  margin-bottom**: 6**px  font-size**: 0  .**star  display**: **inline-block  margin-right**: 6**px  vertical-align**: **top** .**delivery  display**: **inline-block  vertical-align**: **top  line-height**: 12**px  font-size**: 10**px  color**: **rgb**(147, 153, 159)  .**text  margin-bottom**: 8**px  line-height**: 18**px  color**: **rgb**(7, 17, 27)  **font-size**: 12**px** .**recommend  line-height**: 16**px  font-size**: 0  .**icon-thumb\_up**, .**icon-thumb\_down**, .**item  display**: **inline-block  margin**: 0 8**px** 4**px** 0  **font-size**: 9**px** .**icon-thumb\_up  color**: **$yellow** .**icon-thumb\_down  color**: **rgb**(147, 153, 159)   .**item  padding**: 0 6**px  border**: 1**px solid rgba**(7, 17, 27, 0.1)  **border-radius**: 1**px  color**: **rgb**(147, 153, 159)  **background**: **#fff** .**time  position**: **absolute  top**: 0  **right**: 0  **line-height**: 12**px  font-size**: 10**px  color**: **rgb**(147, 153, 159) </**style**> |

### 2.27.5. 开发分隔块组件(简单)

1. 定义组件: components/Split/Split.vue

|  |
| --- |
| <**template**>  <**div class="split"**></**div**> </**template**>  <**script type="text/ecmascript-6"**>  **export default** {   } </**script**>  <**style lang="stylus" rel="stylesheet/stylus"**>  .**split  width**: 100%  **height**: 16**px  border-top**: 1**px solid rgba**(7, 17, 27, 0.1)  **border-bottom**: 1**px solid rgba**(7, 17, 27, 0.1)  **background**: **#f3f5f7** </**style**> |

1. 注册成全局组件标签: main.js

|  |
| --- |
| **import** Split **from './components/Split/Split.vue'** *// 注册为全局组件标签* Vue.component(**'Split'**, Split) |

### 2.28.2. 页面模板

|  |
| --- |
| <**template**>  <**div class="ratings" ref="ratings"**>  <**div class="ratings-content"**>  <**div class="overview"**>  <**div class="overview-left"**>  <**h1 class="score"**>{{info.score}}</**h1**>  <**div class="title"**>综合评分</**div**>  <**div class="rank"**>高于周边商家{{info.rankRate}}%</**div**>  </**div**>  <**div class="overview-right"**>  <**div class="score-wrapper"**>  <**span class="title"**>服务态度</**span**>  <**Star :score="**info.serviceScore**" :size="**36**"**></**Star**>  <**span class="score"**>{{info.serviceScore}}</**span**>  </**div**>  <**div class="score-wrapper"**>  <**span class="title"**>商品评分</**span**>  <**Star :score="**info.foodScore**" :size="**36**"**></**Star**>  <**span class="score"**>{{info.foodScore}}</**span**>  </**div**>  <**div class="delivery-wrapper"**>  <**span class="title"**>送达时间</**span**>  <**span class="delivery"**>{{info.deliveryTime}}分钟</**span**>  </**div**>  </**div**>  </**div**>   <**Split**></**Split**>   <**RatingSelect  :desc="**{**all**: **'全部'**, **positive**:**'满意'**, **negative**: **'不满意'**}**"  :ratings="ratings"  :selectType="selectType"  :onlyContent="onlyContent"  @toggleOnlyContent="**toggleOnlyContent**"  @setSelectType="**setSelectType**"**/>   <**div class="rating-wrapper"**>  <**ul**>  <**li class="rating-item" v-for="**rating in filterRatings**"**>  <**div class="avatar"**>  <**img width="28" height="28" :src="**rating.avatar**"**>  </**div**>  <**div class="content"**>  <**h1 class="name"**>{{rating.username}}</**h1**>  <**div class="star-wrapper"**>  <**Star :score="**rating.**score" :size="**24**"**></**Star**>  <**span class="delivery"**>{{rating.deliveryTime}}</**span**>  </**div**>  <**p class="text"**>{{rating.**text**}}</**p**>  <**div class="recommend"**>  <**span class="iconfont" :class="**rating.rateType===0?**'icon-thumb\_up'**:**'icon-thumb\_down'"**></**span**>  <**span class="item" v-for="*item*** in rating.recommend**"**>{{***item***}}</**span**>  </**div**>  <**div class="time"**>  {{rating.rateTime | dateString}}  </**div**>  </**div**>  </**li**>  </**ul**>  </**div**>  </**div**>  </**div**> </**template**> |

### 2.28.3. JS

|  |
| --- |
| <**script**>  **import** { mapState } **from 'vuex'  import** BScroll **from 'better-scroll'  import** Star **from '../../../components/Star/Star.vue'  import** RatingSelect **from '../../../components/RatingSelect/RatingSelect.vue'   export default** {   data () {  **return** {  **selectType**: 0,  **onlyContent**: **false** }  },   mounted () {  **this**.$store.**dispatch**(**'getShopRatings'**, () => {  **this**.$nextTick(() => {  **this**.**scroll** = **new *BScroll***(**this**.$refs.**ratings**, {  **click**: **true** })  })  })  },   **methods**: {  setSelectType (selectType) {  **this**.**selectType** = selectType  **this**.$nextTick(() => {  **this**.**scroll**.refresh()  })  },   toggleOnlyContent () {  **this**.**onlyContent** = !**this**.**onlyContent  this**.$nextTick(() => {  **this**.**scroll**.refresh()  })  }  },   **computed**: {  ...mapState([**'info'**, **'ratings'**]),   filterRatings () {  **const** ratings = **this**.**ratings  if** (!ratings) {  **return** []  }  **const** {selectType, onlyContent} = **this  return** ratings.filter(rating => {  **const** {rateType, text} = rating  */\*  selectType: 2, //全部 // rating.rateType(0/1)  onlyContent: true // 是否只看有内容的 //rating.text  \*/  /\*  selectType: 0/1/2 如果是0/1需要判断是否与rating.rateType相等, 如果是2就不需要  onlyContent: true/false 如果为true需要判断rating.text必须有值, 如果是false就不需要  \*/* **if** (selectType === 2) {  **return** !onlyContent || rating.**text**.**length** > 0  } **else** {  **return** selectType === rateType && (!onlyContent || rating.**text**.**length** > 0)  }  })  }  },   **components**: {  Star,  RatingSelect  }  } </**script**> |

### 2.28.4. 自定义过滤器

1. 下载依赖

npm install --save moment

1. 自定义过滤器模块: filters/index.js

|  |
| --- |
| */\* 自定义过滤器模块  \*/* **import** moment **from 'moment' import** Vue **from 'vue'** Vue.filter(**'dateString'**, **function** (value, format) {  **return** moment(value).format(format || **'YYYY-MM-DD HH:mm:ss'**) }) |

1. 加载模块: main.js

|  |
| --- |
| **import './filters'** *// 加载自定义过滤器* |

## 2.29. 开发ShopInfo组件

### 2.29.2. 静态模板

|  |
| --- |
| <**template**>  <**div class="shop-info"**>  <**div class="info-content"**>  <**section class="section"**>  <**h3 class="section-title"**>配送信息</**h3**>  <**div class="delivery"**>  <**div**>  <**span class="delivery-icon"**>硅谷专送</**span**>  <**span**>由商家配送提供配送，约30分钟送达，距离100m</**span**>  </**div**>  <**div class="delivery-money"**>配送费￥3</**div**>  </**div**>  </**section**>  <**div class="split"**></**div**>  <**section class="section"**>  <**h3 class="section-title"**>活动与服务</**h3**>  <**div class="activity"**>  <**div class="activity-item activity-green"**>  <**span class="content-tag"**>  <**span class="mini-tag"**>首单</**span**>  </**span**>  <**span class="activity-content"**>新用户下单立减17元(不与其它活动同享)</**span**>  </**div**>  <**div class="activity-item activity-red"**>  <**span class="content-tag"**>  <**span class="mini-tag"**>满减</**span**>  </**span**>  <**span class="activity-content"**>满35减19，满65减35</**span**>  </**div**>  <**div class="activity-item activity-orange"**>  <**span class="content-tag"**>  <**span class="mini-tag"**>特价</**span**>  </**span**>  <**span class="activity-content"**>【立减19.5元】欢乐小食餐</**span**>  </**div**>  </**div**>  </**section**>  <**div class="split"**></**div**>   <**section class="section"**>  <**h3 class="section-title"**>商家实景</**h3**>  <**div class="pic-wrapper"**>  <**ul class="pic-list"**>  <**li class="pic-item"**>  <**img width="120" height="90" src="https://fuss10.elemecdn.com/f/7f/d1422ec824a0a9d1fb879c57ab533jpeg.jpeg"**>  </**li**>  <**li class="pic-item"**>  <**img width="120" height="90" src="https://fuss10.elemecdn.com/f/7f/d1422ec824a0a9d1fb879c57ab533jpeg.jpeg"**>  </**li**>  <**li class="pic-item"**>  <**img width="120" height="90" src="https://fuss10.elemecdn.com/f/7f/d1422ec824a0a9d1fb879c57ab533jpeg.jpeg"**>  </**li**>  <**li class="pic-item"**>  <**img width="120" height="90" src="https://fuss10.elemecdn.com/f/7f/d1422ec824a0a9d1fb879c57ab533jpeg.jpeg"**>  </**li**>  </**ul**>  </**div**>  </**section**>  <**div class="split"**></**div**>   <**section class="section"**>  <**h3 class="section-title"**>商家信息</**h3**>  <**ul class="detail"**>  <**li**>  <**span class="bold"**>品类</**span**>  <**span**>包子粥店, 简餐</**span**>  </**li**>  <**li**>  <**span class="bold"**>商家电话</**span**>  <**span**>18501081111</**span**>  </**li**>  <**li**>  <**span class="bold"**>地址</**span**>  <**span**>北京市昌平区回龙观44号</**span**>  </**li**>  <**li**>  <**span class="bold"**>营业时间</**span**>  <**span**>09:35-21:00</**span**>  </**li**>  </**ul**>  </**section**>  </**div**>  </**div**> </**template**> |

### 2.29.3. stylus样式

|  |
| --- |
| <**style lang="stylus" rel="stylesheet/stylus"**>  **@import "../../../common/stylus/mixins.styl"** .**shop-info  position**: **absolute  top**: 275**px  bottom**: 0  **left**: 0  **width**: 100%  **background**: **#fff**;  **overflow**: **hidden** .**section  padding** 16**px** 14**px** 14**px  font-size** 16**px  background-color #fff  color #666  border-bottom** 1**px solid #eee  position relative** .**section-title  color #000  font-weight** 700  **line-height** 16**px** > .**iconfont  float right  color #ccc** .**delivery  margin-top** 16**px  font-size** 13**px  line-height** 18**px** .**delivery-icon  width** 55**px  font-size** 11**px  margin-right** 10**px  display inline-block  text-align center  color #fff  background-color #0097ff  padding** 1**px** 0  **border-radius** 4**px** .**delivery-money  margin-top** 5**px** .**activity  margin-top** 16**px** .**activity-item  margin-bottom** 12**px  display flex  font-size** 13**px  align-items center  &**.**activity-green** .**content-tag  background-color rgb**(112, 188, 70)  **&**.**activity-red** .**content-tag  background-color rgb**(240, 115, 115)  **&**.**activity-orange** .**content-tag  background-color**: **rgb**(241, 136, 79)  .**content-tag  display inline-block  border-radius** 2**px  width** 36**px  height**: 18**px  margin-right** 10**px  color #fff  font-style normal  position relative** .**mini-tag  position absolute  left** 0  **top** 0  **right** -100%  **bottom** -100%  **font-size** 24**px  transform scale**(.5)  **transform-origin** 0 0  **display flex  align-items center  justify-content center** .**pic-wrapper  width**: 100%  **overflow**: **hidden  white-space**: **nowrap  margin-top** 16**px** .**pic-list  font-size**: 0  .**pic-item  display**: **inline-block  margin-right**: 6**px  width**: 120**px  height**: 90**px  &**:**last-child  margin**: 0  .**detail  margin-bottom** -16**px** > **li  display flex  justify-content space-between  align-items center  margin-right** -10**px  padding** 16**px** 12**px** 16**px** 0  **line-height** 16**px  bottom-border-1px**(**#ddd**)  **font-size** 13**px** > .**bold  font-weight** 700  **color #333  &**:**last-child  border-none**() </**style**> |

### 2.29.4. 页面模板

|  |
| --- |
| <**template**>  <**div class="shop-info" ref="info"**>  <**div class="info-content"**>  <**section class="section"**>  <**h3 class="section-title"**>配送信息</**h3**>  <**div class="delivery"**>  <**div**>  <**span class="delivery-icon"**>{{info.description}}</**span**>  <**span**>由商家配送提供配送，约{{info.deliveryTime}}分钟送达，距离{{info.distance}}</**span**>  </**div**>  <**div class="delivery-money"**>配送费￥{{info.deliveryPrice}}</**div**>  </**div**>  </**section**>   <**split**></**split**>   <**section class="section"**>  <**h3 class="section-title"**>活动与服务</**h3**>  <**div class="activity"**>  <**div class="activity-item" v-for="**(support, ***index***) in info.supports**"  :key="*index*" :class="supportClasses**[support.**type**]**"**>  <**span class="content-tag"**>  <**span class="mini-tag"**>{{support.**name**}}</**span**>  </**span**>  <**span class="activity-content"**>{{support.**content**}}</**span**>  </**div**>  </**div**>  </**section**>   <**split**></**split**>   <**section class="section"**>  <**h3 class="section-title"**>商家实景</**h3**>  <**div class="pic-wrapper" ref="pics"**>  <**ul class="pic-list" ref="ul"**>  <**li class="pic-item" v-for="**pic in info.pics**"**>  <**img width="120" height="90" :src="**pic**"**>  </**li**>  </**ul**>  </**div**>  </**section**>   <**split**></**split**>   <**section class="section"**>  <**h3 class="section-title"**>商家信息</**h3**>  <**ul class="detail"**>  <**li**>  <**span class="bold"**>品类</**span**>  <**span**>{{info.category}}</**span**>  </**li**>  <**li**>  <**span class="bold"**>商家电话</**span**>  <**span**>{{info.phone}}</**span**>  </**li**>  <**li**>  <**span class="bold"**>地址</**span**>  <**span**>{{info.address}}</**span**>  </**li**>  <**li**>  <**span class="bold"**>营业时间</**span**>  <**span**>{{info.workTime}}</**span**>  </**li**>  </**ul**>  </**section**>  </**div**>  </**div**> </**template**> |

### 2.29.5. JS

|  |
| --- |
| <**script**>  **import** {mapState} **from 'vuex'  import** BScroll **from 'better-scroll'   export default** {  data () {  **return** {  **supportClasses**: [**'activity-green'**, **'activity-red'**, **'activity-orange'**]  }  },   mounted () {  *// 如果当前还没有数据, 不用创建scroll对象* **if**(!**this**.**info**.**pics**) { *// 防止在当前路由路径上刷新* **return** }   **this**.\_initScroll()  },   **computed**: {  ...mapState([**'info'**])  },   **methods**: {  \_initScroll() {  *// 用于垂直滑动* **new** BScroll(**'.shop-info'**, {  **click**: **true** })    *// 给ul动态指定样式宽度* **const** ul = **this**.$refs.picsUl  **const** liWidth = 120  **const** space = 6  **const** size = **this**.**info**.**pics**.length   ul.**style**.**width** = (liWidth + space) \* size - space + **'px'** *// 用于水平滑动* **new** BScroll(**this**.$refs.picsDiv, {  **click**: **true**,  **scrollX**: **true**, *// 水平滑动* })  }  },   **watch**: {  info (val) { *// 在当前路由路径上刷新时更新调用* **this**.$nextTick(() => {  **this**.\_initScroll()  })  }  }  } </**script**> |

## 2.30. 项目优化/扩展

### 2.30.1. 缓存路由组件对象

|  |
| --- |
| <**keep-alive**>  <**router-view** /> </**keep-alive**> |

好处: 复用路由组件对象, 复用路由组件获取的后台数据

### 2.30.2. 路由组件懒加载

src/router/index.js

|  |
| --- |
| */\* import goods from 'pages/goods/goods.vue' import ratings from 'pages/ratings/ratings.vue' import seller from 'pages/seller/seller.vue' \*/* **const** *goods* = () => **import**(**'pages/goods/goods.vue'**) **const** *ratings* = () => **import**(**'pages/ratings/ratings.vue'**) **const** *seller* = () => **import**(**'pages/seller/seller.vue'**) |

### 2.30.3. 图片懒加载: vue-lazyload

1. Github:

<https://github.com/hilongjw/vue-lazyload>

1. 下载包

|  |
| --- |
| npm install --save vue-loader |

1. 使用

|  |
| --- |
| **import** VueLazyload **from 'vue-lazyload'**  **import** loading **from './common/img/loading.gif'**  Vue.use(VueLazyload, {  loading })  <**img v-lazy="food**.image**"**> |

### 2.30.4. 使用vue UI组件库: mint-ui

1. 主页: [http://mint-ui.github.io/#!/zh-cn](http://mint-ui.github.io/" \l "!/zh-cn)
2. 下载:

|  |
| --- |
| npm install --save mint-ui |

1. 实现按需打包

|  |
| --- |
| 1. 下载  npm install --save-dev [babel-plugin-component](https://github.com/QingWei-Li/babel-plugin-component)   1. 修改babel配置   **"plugins"**: [**"transform-runtime"**,[**"component"**, [  {  **"libraryName"**: **"mint-ui"**,  **"style"**: **true** } ]]] |

1. mint-ui组件分类
   1. 标签组件
   2. 非标签组件
2. 使用mint-ui的组件

|  |
| --- |
| **import** {Button} **from 'mint-ui'**  *// 注册全局组件* Vue.component(Button.**name**, Button)  <**mt-button type="primary" @click.native="clearCart"**>清空</**mt-button**>  **import** { MessageBox, Toast} **from 'mint-ui'**;  Toast({  **message**: **'清除成功'**,  **position**: **'middle'**,  **duration**: 2000 }); |

## 2.31. 打包发布项目

### 2.31.1. 使用: mode=hash

1. 打包前端应用: npm run build
2. 将build文件夹中生成的所有打包文件拷贝到后台项目的public下
3. 运行后台应用: npm start
4. 访问: <http://localhost:5000>

### 2.31.2. 使用mode=history

1. 问题: 刷新某个路由路径时, 会出现404的错误
2. 原因: 项目根路径后的path路径会被当作后台路由路径,

去请求对应的后台路由, 但没有

1. 解决: 使用自定义中间件去读取返回index页面展现

|  |
| --- |
| **const** fs = *require*(**'fs'**) app.use((req, res) => {  fs.readFile(\_\_dirname + **'/public/index.html'**, (err, data)=>{  **if**(err){  ***console***.log(err)  res.send(**'后台错误'**)  } **else** {  res.writeHead(200, {  **'Content-Type'**: **'text/html; charset=utf-8'**,});  res.**end**(data)  }  }) }) |

1. 注意: 前端路由的路径不要与后台路由路径相同