

Vue 实战项目：硅谷外卖

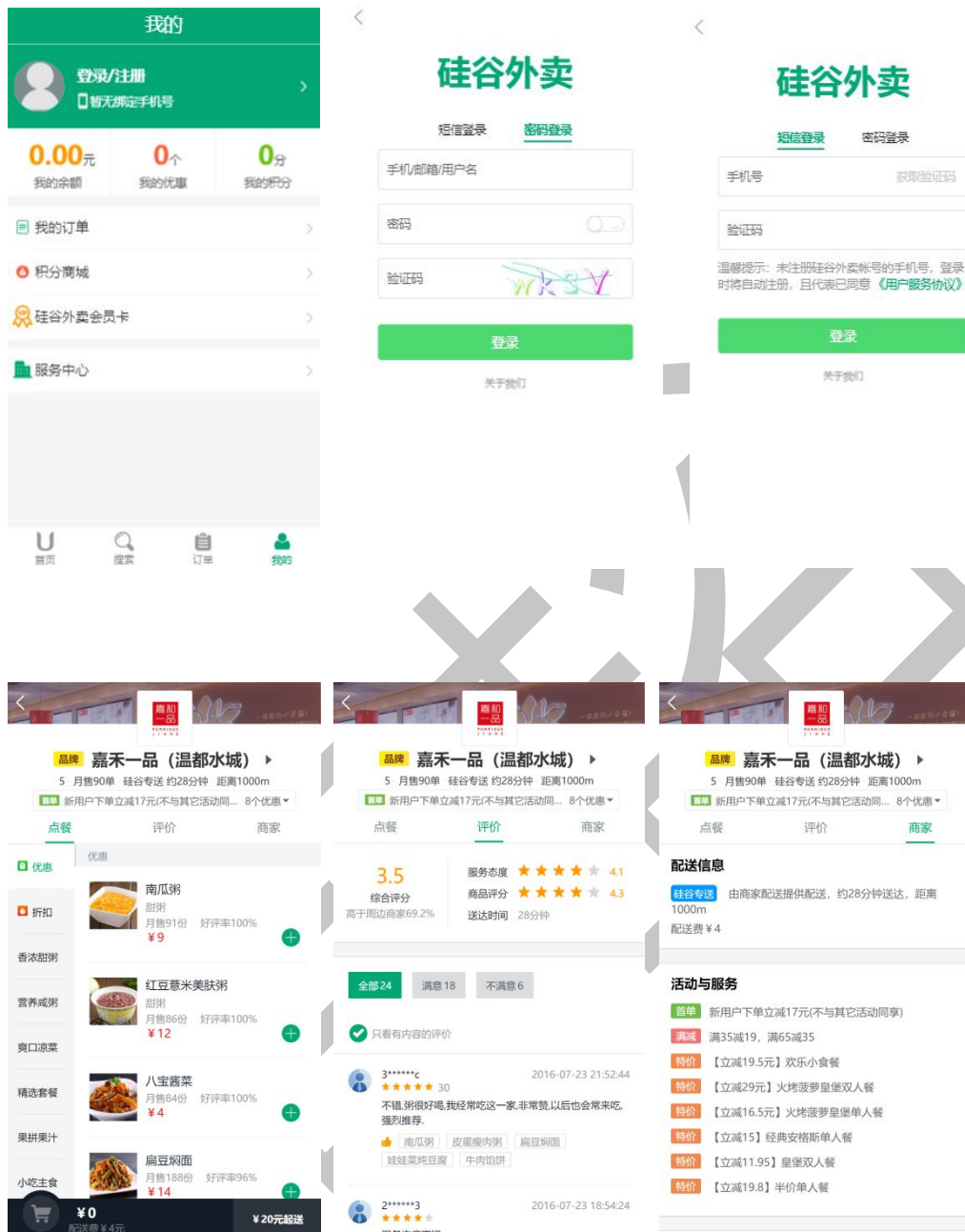
第 1 章：准备

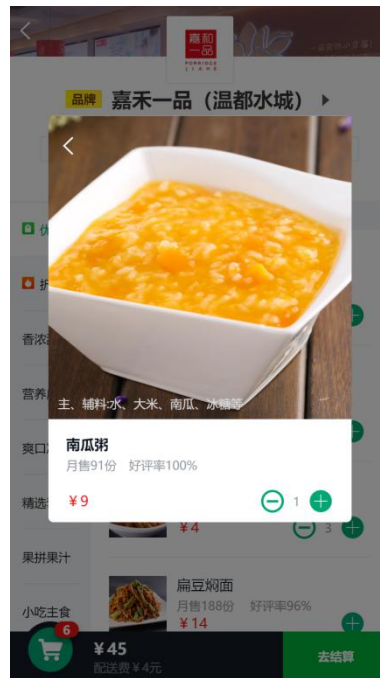
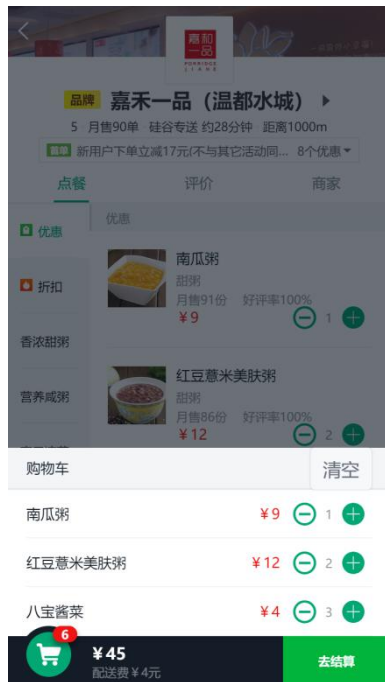
1.1. 项目描述

- 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

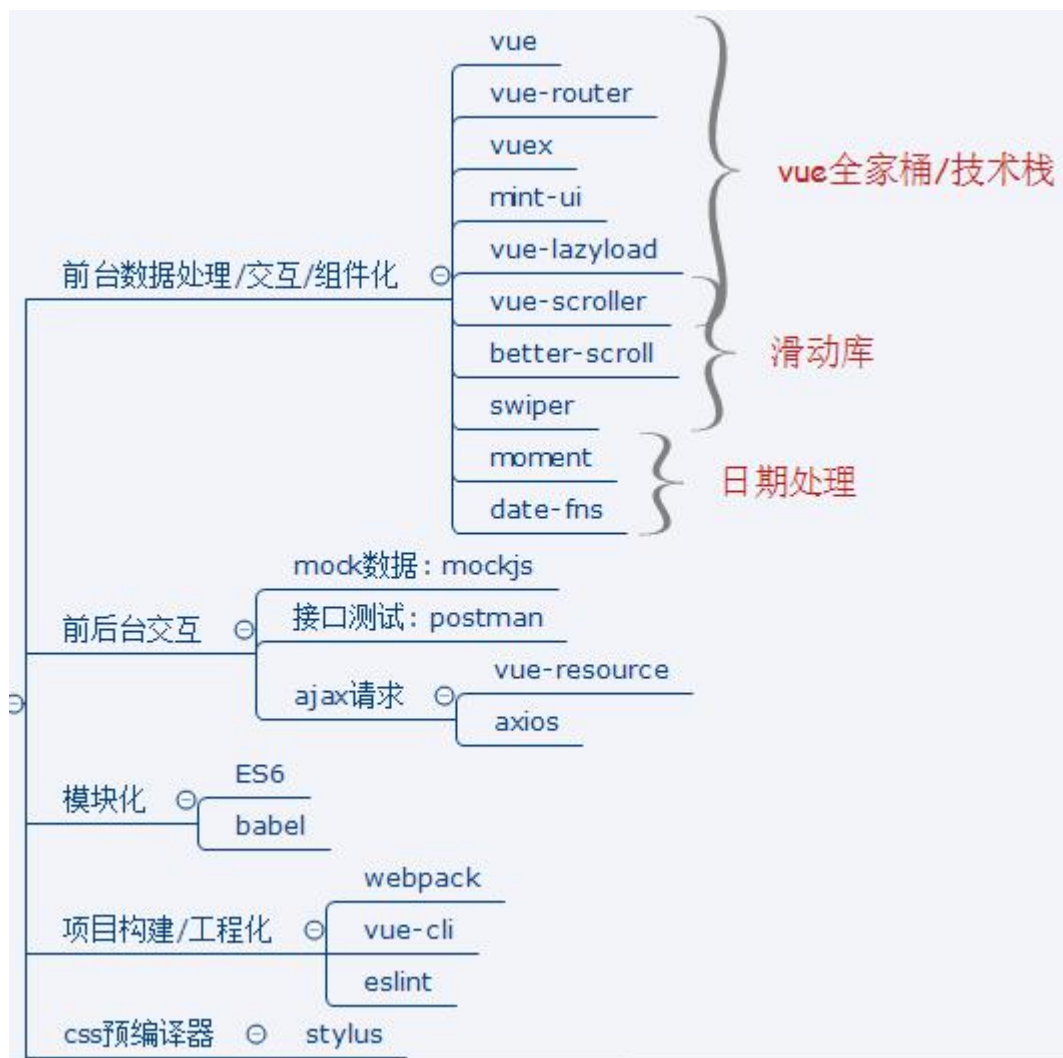
1.2. 项目功能界面



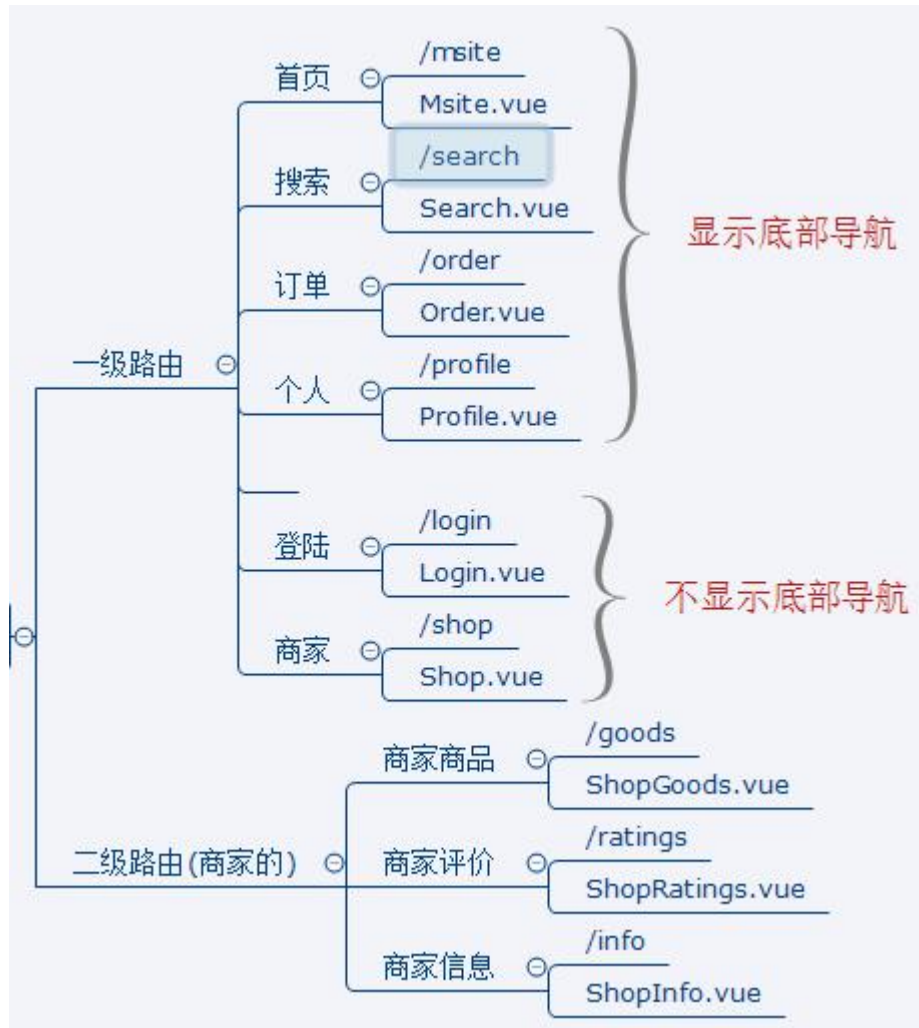




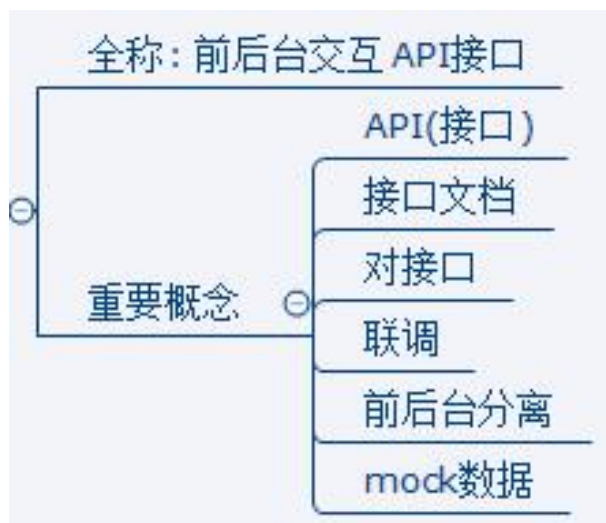
1.3. 技术选型



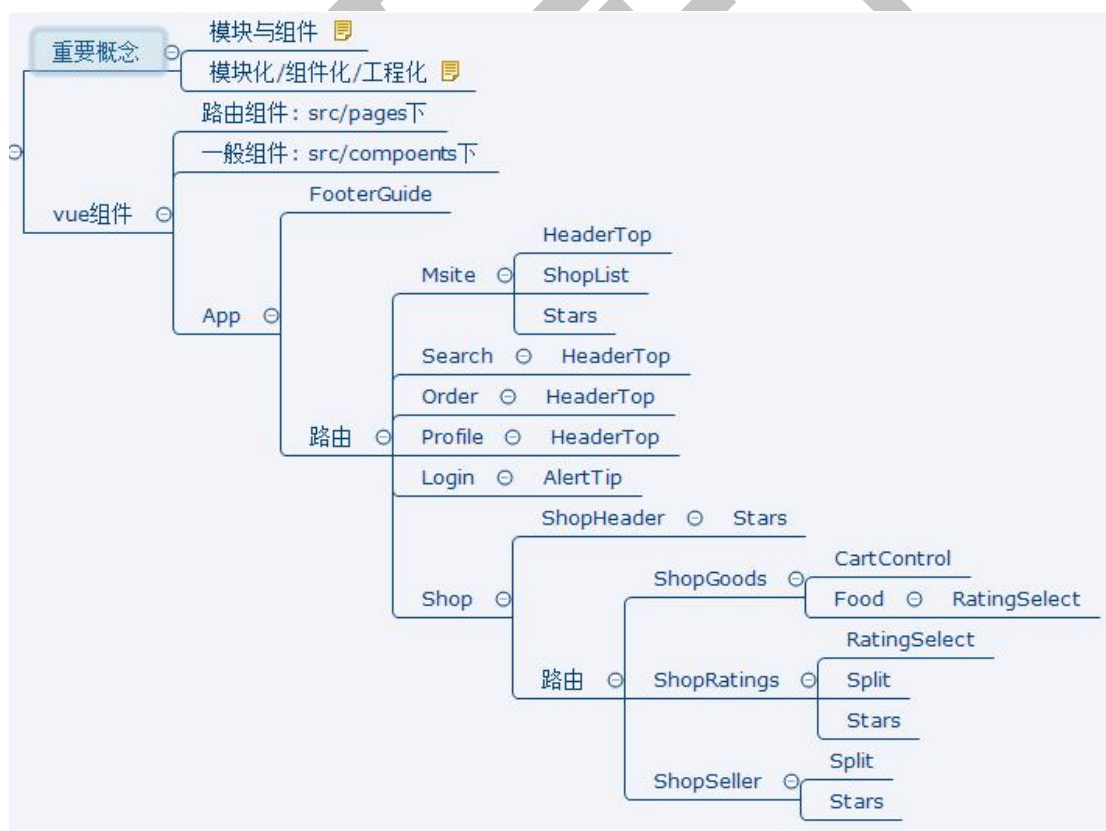
1.4. 前端路由



1.5. API 接口



1.6. 项目 vue 组件



1.7. 你能从此项目中学到什么？

1.7.1. 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

1.7.2. 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 实现图片懒加载
- 7) 学会使用 mockjs 模拟后台数据接口

1.7.3. 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

2) 打包发布

`npm run build`

`npm install -g serve`

`serve dist`

访问: <http://localhost:5000>

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

- a. 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。
- b. 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。
- c. 灵活性：轻松地改变图标的颜色或其他 CSS 效果。
- d. 可扩展性：改变图标的大小，就像改变字体大小一样容易。
- e. 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。
- f. 兼容性：字体图标支持所有现代浏览器（包括糟糕的 IE6）。
- g. 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。

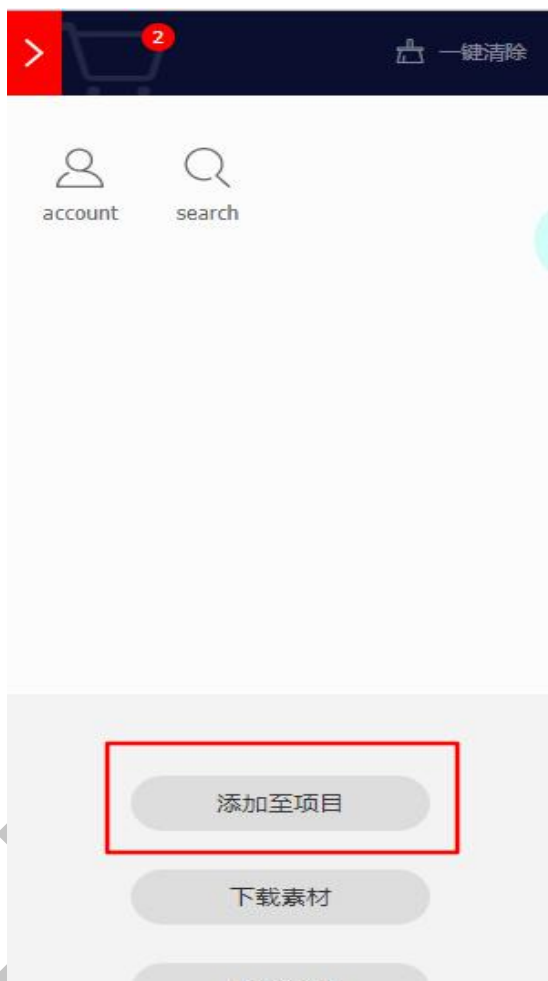
2) iconfont 使用(本地没有 svg)

- a. 我们需要依赖网站制作，
- b. 目前国内用的最多的是阿里巴巴矢量库（<http://www.iconfont.cn/>）
 - 1) 注册账户
 - 2) 把你想要的图标添加入库（购物车）

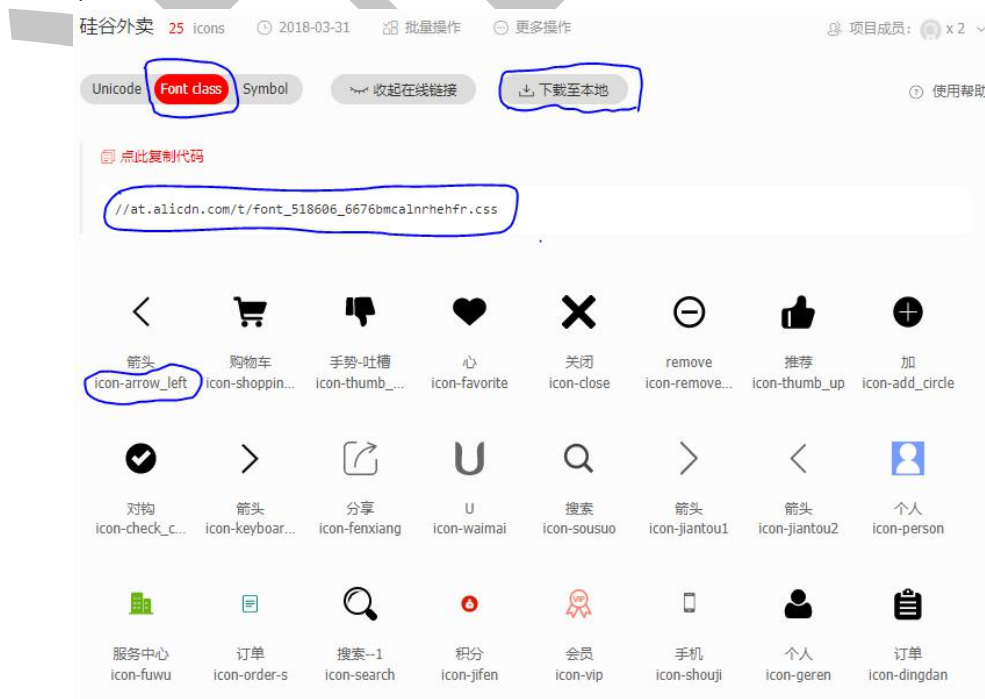


3) 点击购物车，将你想要的图标添加到项目中





4) 下载到本地使用



5) 三种使用方式

名称	修改日期	类型	大小
demo.css	2018/3/4 12:19	JetBrains WebSt...	7 KB
demo_fontclass.html	2018/3/4 12:19	Chrome HTML D...	3 KB
demo_symbol.html	2018/3/4 12:19	Chrome HTML D...	4 KB
demo_unicode.html	2018/3/4 12:19	Chrome HTML D...	4 KB
iconfont.css	2018/3/4 12:19	JetBrains WebSt...	3 KB
iconfont.eot	2018/3/4 12:19	EOT 文件	3 KB
iconfont.js	2018/3/4 12:19	JetBrains WebSt...	7 KB
iconfont.svg	2018/3/4 12:19	SVG 文档	6 KB
iconfont.ttf	2018/3/4 12:19	TrueType 字体文件	3 KB
iconfont.woff	2018/3/4 12:19	WOFF 文件	2 KB

1. unicode 引用

2. symbol 引用

3. font-class 引用

3) iconfont 使用(本地有 svg)

a. 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

b. 进入 IcoMoon 官网: <https://icomoon.io/>

c. 点击右上角  IcoMoon App, 进入处理页面

d. 点击左上角  Import Icons, 选择 resource\SVG*.svg, 上传显示到页面

e. 在页面选择所有 svg, 点击右下角  Generate Font 生成图标字体样式

f. 点击左上角  Preferences 指定 Font-Name 为 sell-icon, 点击右下角  Download 下

载到本地  icomoon.zip

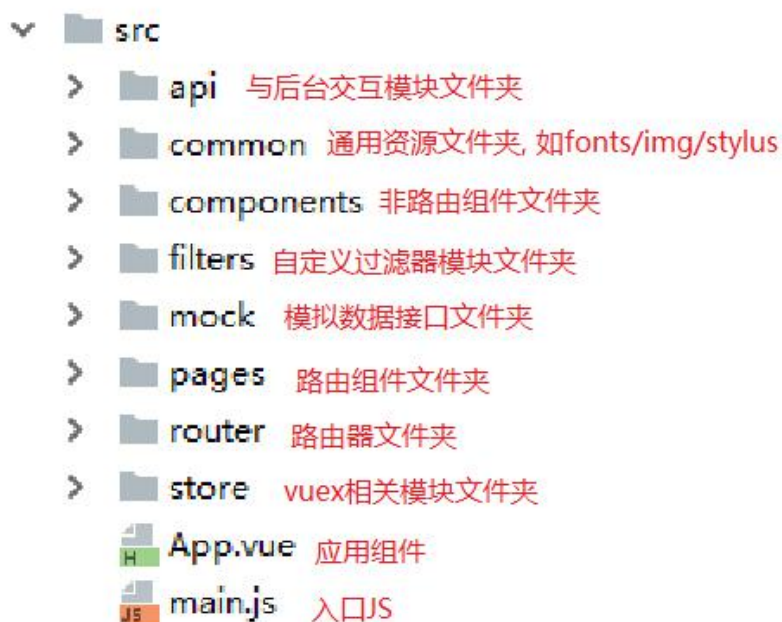
g. 解压 zip 包, 访问 demo.html 测试

h. 我们项目需要的是 fonts 和 style.css

4) 在页面中引入在线的 iconfont 样式

```
<link rel="stylesheet"
href="http://at.alicdn.com/t/font_518606_6676bmca1nrhehfr.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)

- 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](#)

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

```
.tab
  display: flex
  height 40px
  line-height 40px
  text-align center
  font-size 14px
  border-1px(rgba(7,17,27,.1))
  .tab-item
    width 0
    flex 1
    & > a
      display block
      text-decoration none
      color rgb(77,85,93)
      &.active
        color: rgb(240,20,20)
```

3) 父级引用

使用字符 `&` 指向父选择器

```
textarea
input
  color #A7A7A7
  &:hover
    color #000
```

等同于：

```
textarea,
input {
  color: #a7a7a7;
}
textarea:hover,
input:hover {
  color: #000;
}
```

4) 变量

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

```
mainColor = #0982c1
siteWidth = 1024px
$borderStyle = dotted
body
  color mainColor
  border 1px $borderStyle mainColor
  max-width siteWidth
```

5) 混合(Mixins)

- 也就是预处理器中的函数
- 函数参数可以指定默认值
- 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


```
error(borderWidth= 2px) {
  border: borderWidth solid #F00;
  color: #F00;
}
.generic-error {
  padding: 20px;
  margin: 4px;
  error(); /* 调用error mixins */
}
.login-error {
  left: 12px;
  position: absolute;
  top: 20px;
  error(5px); /* 调用error mixins, 并将参数$borderWidth的值指定为5px */
}
```

6) 导入(import)

通过@import 引入其它样式文件

```
@import "reset.css";
@import "file. {type}";
p {
  background: #0982C1;
}
```

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 1px
```

```
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 1px
  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

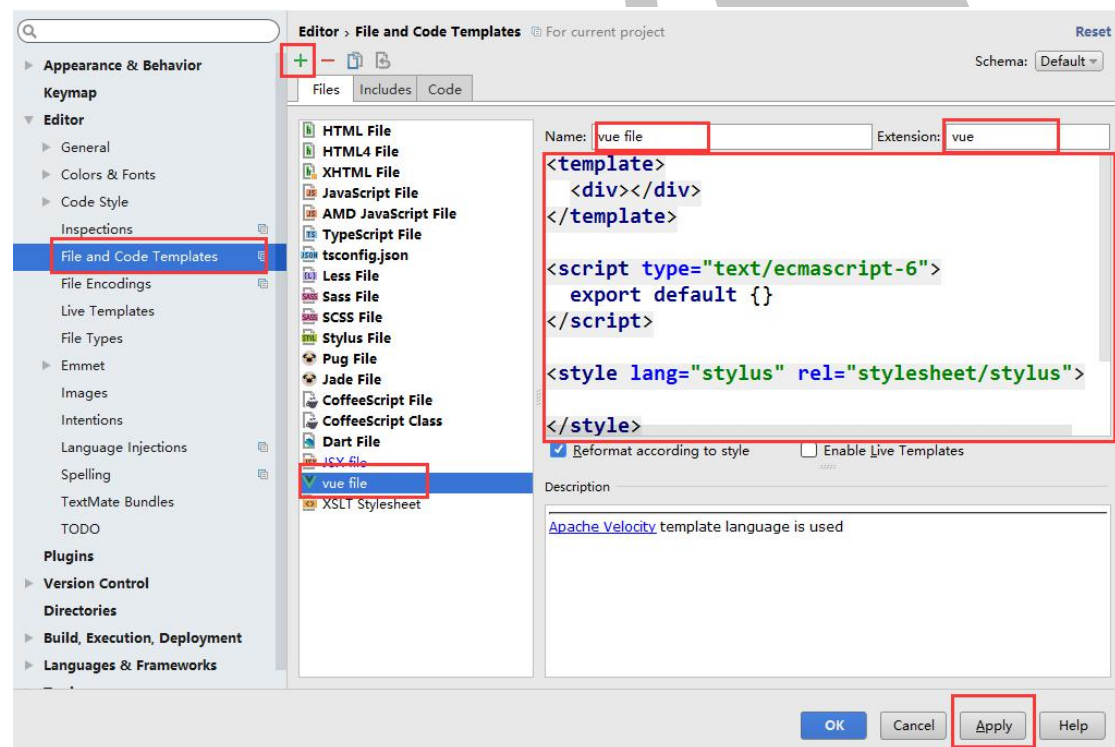
- 1) 0: 关闭规则检查。
- 2) 1: 打开规则检查，并且作为一个警告（输出提示文本黄色）。
- 3) 2: 打开规则检查，并且作为一个错误（输出提示文本红色）。

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>
```

2) pages/Search/Search.vue

```
<template>
  <div>Search vue template</div>
</template>
```

```
<script>
  export default {}
</script>

<style lang="stylus" rel="stylesheet/stylus">

</style>
```

3) pages/Order/Order.vue

```
<template>
  <div>order vue template</div>
</template>

<script>
  export default {}
</script>

<style lang="stylus" rel="stylesheet/stylus">

</style>
```

4) pages/Profile/Profile.vue

```
<template>
  <div>profile vue template</div>
</template>

<script>
  export default {}
</script>

<style lang="stylus" rel="stylesheet/stylus">

</style>
```

5) App.vue

```
<template>
  <div>App vue template</div>
</template>
```

```
<script>
  export default {}
</script>

<style lang="stylus" rel="stylesheet/stylus">

</style>
```

6) 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: 5px;  
  height: 5px;  
}  
  
::-webkit-scrollbar-track-piece {  
  background-color: rgba(0, 0, 0, 0.2);  
  -webkit-border-radius: 6px;  
}  
  
::-webkit-scrollbar-thumb:vertical {  
  height: 5px;  
  background-color: rgba(125, 125, 125, 0.7);  
  -webkit-border-radius: 6px;  
}  
  
::-webkit-scrollbar-thumb:horizontal {  
  width: 5px;  
  background-color: rgba(125, 125, 125, 0.7);  
  -webkit-border-radius: 6px;  
}  
  
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;  
}
```

2) 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">
```

2) 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"></scrip
t>
<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,  
    }  
  ]  
})
```

2) main.js

```
import Vue from 'vue'  
import app from './app'  
import router from './router'
```

```
new Vue({  
  el: '#app',  
  render: h => h(app),  
  router,  
})
```

3) components/FooterGuide/FooterGuide.vue

```
<template>  
  <div>  
    FooterGuide  
  </div>  
</template>  
  
<script>  
  export default {}  
</script>  
  
<style>  
  
</style>
```

4) 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%
    background #f5f5f5
</style>
```

5) 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) 通过程式化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>
  </a>
  <span>外卖</span>
```

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```
</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>
```

2) 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 50px
    display flex
    .guide_item
      display flex
      flex 1
      text-align center
      flex-direction column
      align-items center
```



```
margin 5px
color #999999
&.on
  color #02a774
span
  font-size 12px
  margin-top 2px
  margin-bottom 2px
  .iconfont
    font-size 22px
</style>
```

3) 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>
```

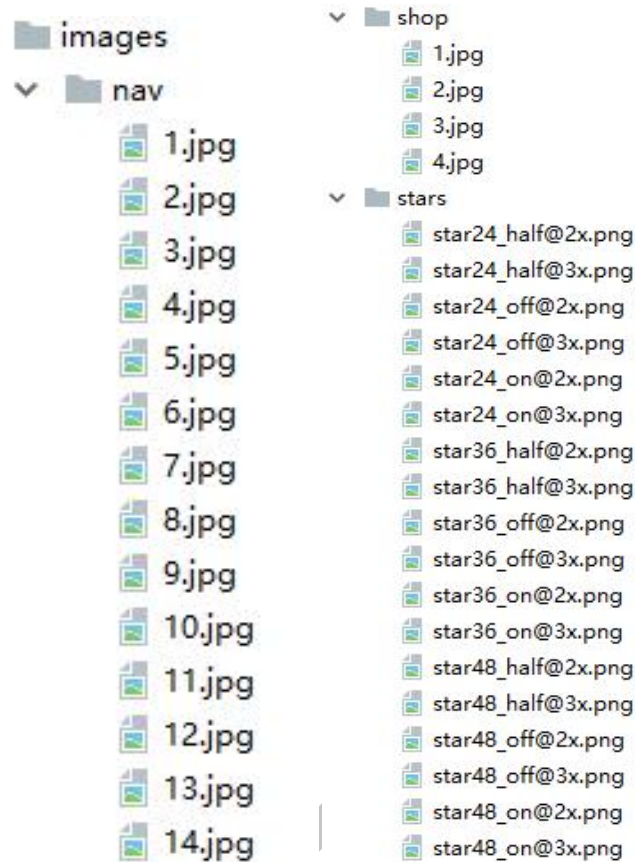
4) script

```
<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



2) 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">
      
    </div>
    <span>甜品饮品</span>
  </a>
  <a href="javascript:" class="link_to_food">
    <div class="food_container">
      
    </div>
    <span>商超便利</span>
  </a>
  <a href="javascript:" class="link_to_food">
    <div class="food_container">
      
    </div>
    <span>美食</span>
  </a>
  <a href="javascript:" class="link_to_food">
    <div class="food_container">
      
    </div>
    <span>简餐</span>
  </a>
  <a href="javascript:" class="link_to_food">
    <div class="food_container">
      
    </div>
    <span>新店特惠</span>
  </a>
  <a href="javascript:" class="link_to_food">
    <div class="food_container">
      
    </div>
    <span>准时达</span>
  </a>
  <a href="javascript:" class="link_to_food">
    <div class="food_container">
      
    </div>
    <span>预订早餐</span>
  </a>
</div>
```

```
</a>
<a href="javascript:" class="link_to_food">
  <div class="food_container">
    
  </div>
  <span>土豪推荐</span>
</a>
</div>
<div class="swiper-slide">
  <a href="javascript:" class="link_to_food">
    <div class="food_container">
      
    </div>
    <span>甜品饮品</span>
  </a>
  <a href="javascript:" class="link_to_food">
    <div class="food_container">
      
    </div>
    <span>商超便利</span>
  </a>
  <a href="javascript:" class="link_to_food">
    <div class="food_container">
      
    </div>
    <span>美食</span>
  </a>
  <a href="javascript:" class="link_to_food">
    <div class="food_container">
      
    </div>
    <span>简餐</span>
  </a>
  <a href="javascript:" class="link_to_food">
    <div class="food_container">
      
    </div>
    <span>新店特惠</span>
  </a>
  <a href="javascript:" class="link_to_food">
    <div class="food_container">
      
```

```
        </div>
        <span>准时达</span>
    </a>
    <a href="javascript:" class="link_to_food">
        <div class="food_container">
            
        </div>
        <span>预订早餐</span>
    </a>
    <a href="javascript:" class="link_to_food">
        <div class="food_container">
            
        </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">
                        
                    </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>
                    </div>
                </a>
            </li>
        </ul>
    </div>
</div>
```

```

</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">
      
    </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">
```

```

        
    </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>

```

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```
        <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 45px
      .header_search
        position absolute
        left 15px
        top 50%
        transform translateY(-50%)
        width 10%
        height 50%
      .icon-sousuo
        font-size 25px
        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 20px
  color #fff
  display block
.header_login
  font-size 14px
  color #fff
  position absolute
  right 15px
  top 50%
  transform translateY(-50%)
  .header_login_text
    color #fff
.msites_nav
  bottom-border-1px(#e4e4e4)
  margin-top 45px
  height 200px
  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 10px
font-size 0
img
  display inline-block
  width 50px
  height 50px
span
  display block
  width 100%
  text-align center
  font-size 13px
  color #666
.swiper-pagination
  >span.swiper-pagination-bullet-active
    background #02a774
.msite_shop_list
  top-border-1px(#e4e4e4)
  margin-top 10px
  background #fff
.shop_header
  padding 10px 10px 0 10px
.shop_icon
  margin-left 5px
  color #999
.shop_header_title
  color #999
  font-size 14px
  line-height 20px
.shop_container
  margin-bottom 50px
.shop_list
  .shop_li
    bottom-border-1px(#f1f1f1)
    width 100%
    >a
      clearFix()
      display block
      box-sizing border-box
      padding 15px 8px
      width 100%
      .shop_left
        float left
```

```
box-sizing border-box
width 23%
height 75px
padding-right 10px
.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 200px
  color #333
  font-size 16px
  line-height 16px
  font-weight 700
&::before
  content '品牌'
  display inline-block
  font-size 11px
  line-height 11px
  color #333
  background-color #ffd930
  padding 2px 2px
  border-radius 2px
  margin-right 5px
.shop_detail_ul
  float right
  margin-top 3px
.supports
  float left
  font-size 10px
  color #999
  border 1px solid #f1f1f1
  padding 0 2px
  border-radius 2px
```

```
.shop_rating_order
clearFix()
width 100%
margin-top 18px
margin-bottom 8px
.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 20px
height 20px
margin-right 22px
background-size 20px 20px
&: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 15px
height 15px
margin-right 6px
background-size 15px 15px
&: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 10px
    height 10px
    margin-right 3px
    background-size 10px 10px
    &: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 10px
  color #ff6000
  margin-left 4px
.order_section
  float left
  font-size 10px
  color #666
  transform scale(.8)
.shop_rating_order_right
  float right
  font-size 0
.delivery_style
  transform-origin 35px 0
  transform scale(.7)
  display inline-block
  font-size 12px
  padding 1px
  border-radius 2px
.delivery_left
  color #fff
  margin-right -10px
  background-color #02a774
  border 1px solid #02a774
.delivery_right
  color #02a774
  border 1px solid #02a774
```

```
.shop_distance
  clearFix()
  width 100%
  font-size 12px
.shop_delivery_msg
  float left
  transform-origin 0
  transform scale(.9)
  width: 200px
  color #666
.segmentation
  color #ccc
</style>
```

3) 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 45px
    .header_search
      position absolute
      left 15px
      top 50%
```

```
transform translateY(-50%)
width 10%
height 50%
.iconfont
  font-size 22px
  color #fff
.header_title
  position absolute
  top 50%
  left 50%
  transform translate(-50%, -50%)
  width 30%
  color #fff
  font-size 22px
  text-align center
.search_form
  clearFix()
  margin-top 45px
  background-color #fff
  padding 12px 8px
  input
    height 35px
    padding 0 4px
    border-radius 2px
    font-weight bold
    outline none
  &.search_input
    float left
    width 79%
    border 4px solid #f2f2f2
    font-size 14px
    color #333
    background-color #f2f2f2
  &.search_submit
    float right
    width 18%
    border 4px solid #02a774
    font-size 16px
    color #fff
    background-color #02a774
</style>
```

2.10.3. Order 组件

1) 图片



2) 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">
      
      <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 45px
      .header_search
        position absolute
        left 15px
        top 50%
        transform translateY(-50%)
```

```
width 10%
height 50%
.icon-sousuo
  font-size 25px
  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 20px
  color #fff
  display block
.header_login
  font-size 14px
  color #fff
  position absolute
  right 15px
  top 50%
  transform translateY(-50%)
.header_login_text
  color #fff
width 100%
.order_no_login
  padding-top 140px
  width 60%
  margin 0 auto
  text-align center
>img
  display block
  width 100%
  height 30%
>h3
  padding 10px 0
  font-size 17px
  color #6a6a6a
>button
  display inline-block
```

```
background #02a774
font-size 14px
color #fff
border 0
outline none
border-radius 5px
padding 10px 20px
</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 45px
.header_search
  position absolute
  left 15px
  top 50%
  transform translateY(-50%)
  width 10%
  height 50%
.iconfont
  font-size 22px
  color #fff
.header_title
  position absolute
  top 50%
  left 50%
  transform translate(-50%, -50%)
  width 30%
  color #fff
  font-size 22px
  text-align center
.profile-number
  margin-top 45.5px
.profile-link
  clearFix()
  position relative
  display block
  background #02a774
  padding 20px 10px
.profile_image
  float left
  width 60px
  height 60px
  border-radius 50%
  overflow hidden
  vertical-align top
.icon-person
  background #e4e4e4
  font-size 62px
.user-info
  float left
  margin-top 8px
  margin-left 15px
```

```
p
  font-weight: 700
  font-size 18px
  color #fff
&.user-info-top
  padding-bottom 8px
.user-icon
  display inline-block
  margin-left -15px
  margin-right 5px
  width 20px
  height 20px
  .icon-mobile
    font-size 30px
    vertical-align text-top
  .icon-mobile-number
    font-size 14px
    color #fff
.arrow
  width 12px
  height 12px
  position absolute
  right 15px
  top 40%
  .icon-jiantou1
    color #fff
    font-size 5px
.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 1px solid #f1f1f1
  .info_data_top
    display block
    width 100%
```

```
font-size 14px
color #333
padding 15px 5px 10px
span
  display inline-block
  font-size 30px
  color #f90
  font-weight 700
  line-height 30px
.info_data_bottom
  display inline-block
  font-size 14px
  color #666
  font-weight 400
  padding-bottom 10px
.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 10px
  background #fff
.my_order
  display flex
  align-items center
  padding-left 15px
>span
  display flex
  align-items center
  width 20px
  height 20px
>.iconfont
  margin-left -10px
  font-size 30px
.icon-order-s
  color #02a774
```

```
.icon-jifen
  color #ff5f3e
.icon-vip
  color #f90
.icon-fuwu
  color #02a774
.my_order_div
  width 100%
  border-bottom 1px solid #f1f1f1
  padding 18px 10px 18px 0
  font-size 16px
  color #333
  display flex
  justify-content space-between
  span
    display inline-block
.my_order_icon
  float right
  width 10px
  height 10px
.icon-jiantou1
  color #bbb
  font-size 10px
</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 45px
  .header_search
    position absolute
    left 15px
    top 50%
    transform translateY(-50%)
    width 10%
    height 50%
    .icon-sousuo
      font-size 25px
      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 20px
  color #fff
  display block
.header_login
  font-size 14px
  color #fff
  position absolute
  right 15px
  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>
```

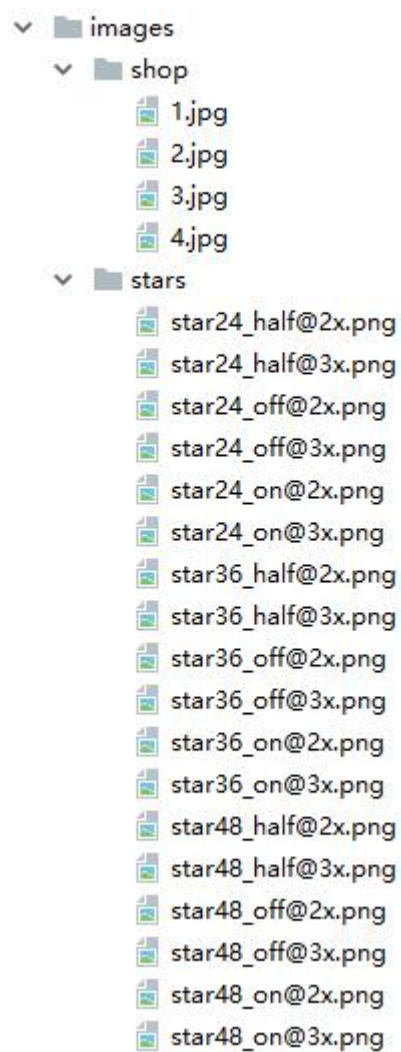
2.11.6. Msite.vue

```
<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">
  
</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">
      
    </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>
```

```
</section>
</div>
</a>
</li>
<li class="shop_li border-1px">
  <a>
    <div class="shop_left">
      
    </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>
        </p>
      </section>
    </div>
  </a>
</li>
</ul>
</div>
</div>
</div>
```

```
<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">

</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 50px
  .shop_list
    .shop_li
      bottom-border-1px(#f1f1f1)
      width 100%
    >a
      clearFix()
      display block
      box-sizing border-box
      padding 15px 8px
      width 100%
    .shop_left
      float left
      box-sizing border-box
      width 23%
      height 75px
      padding-right 10px
    .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 200px
color #333
font-size 16px
line-height 16px
font-weight 700
&::before
content '品牌'
display inline-block
font-size 11px
line-height 11px
color #333
background-color #ffd930
padding 2px 2px
border-radius 2px
margin-right 5px
.shop_detail_ul
float right
margin-top 3px
.supports
float left
font-size 10px
color #999
border 1px solid #f1f1f1
padding 0 2px
border-radius 2px
.shop_rating_order
clearFix()
width 100%
margin-top 18px
margin-bottom 8px
.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 20px
        height 20px
        margin-right 22px
        background-size 20px 20px
        &: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 15px
        height 15px
        margin-right 6px
        background-size 15px 15px
        &: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 10px
        height 10px
        margin-right 3px
        background-size 10px 10px
```



```
        &: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 10px
    color #ff6000
    margin-left 4px
.order_section
    float left
    font-size 10px
    color #666
    transform scale(.8)
.shop_rating_order_right
    float right
    font-size 0
.delivery_style
    transform-origin 35px 0
    transform scale(.7)
    display inline-block
    font-size 12px
    padding 1px
    border-radius 2px
.delivery_left
    color #fff
    margin-right -10px
    background-color #02a774
    border 1px solid #02a774
.delivery_right
    color #02a774
    border 1px solid #02a774
.shop_distance
    clearFix()
    width 100%
    font-size 12px
.shop_delivery_msg
    float left
```

```
transform-origin 0
transform scale(.9)
width: 200px
color #666
.segmentation
color #ccc
</style>
```

2.11.3. Msite.vue

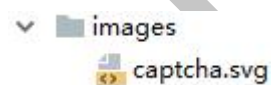
```
<ShopList />

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">
          
        </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 60px
    width 80%
    margin 0 auto
  .login_header
    .login_logo
      font-size 40px
      font-weight bold
      color #02a774
      text-align center
    .login_header_title
      padding-top 40px
      text-align center
    >a
      color #333
      font-size 14px
      padding-bottom 4px
      &:first-child
        margin-right 40px
      &.on
        color #02a774
        font-weight 700
        border-bottom 2px solid #02a774
  .login_content
    >form
```

```
>div
  display none
  &.on
    display block
  input
    width 100%
    height 100%
    padding-left 10px
    box-sizing border-box
    border 1px solid #ddd
    border-radius 4px
    outline 0
    font 400 14px Arial
    &:focus
      border 1px solid #02a774
  .login_message
    position relative
    margin-top 16px
    height 48px
    font-size 14px
    background #fff
  .get_verification
    position absolute
    top 50%
    right 10px
    transform translateY(-50%)
    border 0
    color #ccc
    font-size 14px
    background transparent
  .login_verification
    position relative
    margin-top 16px
    height 48px
    font-size 14px
    background #fff
  .switch_button
    font-size 12px
    border 1px solid #ddd
    border-radius 8px
    transition background-color .3s,border-color .3s
    padding 0 6px
```

```
width 30px
height 16px
line-height 16px
color #fff
position absolute
top 50%
right 10px
transform translateY(-50%)
&.off
  background #fff
  .switch_text
    float right
    color #ddd
&.on
  background #02a774
>.switch_circle
  //transform translateX(27px)
  position absolute
  top -1px
  left -1px
  width 16px
  height 16px
  border 1px solid #ddd
  border-radius 50%
  background #fff
  box-shadow 0 2px 4px 0 rgba(0,0,0,.1)
  transition transform .3s
.login_hint
  margin-top 12px
  color #999
  font-size 14px
  line-height 20px
>a
  color #02a774
.login_submit
  display block
  width 100%
  height 42px
  margin-top 30px
  border-radius 4px
  background #4cd96f
  color #fff
```

```
        text-align center
        font-size 16px
        line-height 42px
        border 0
    .about_us
        display block
        font-size 12px
        margin-top 20px
        text-align center
        color #999
    .go_back
        position absolute
        top 5px
        left 5px
        width 30px
        height 30px
    >.iconfont
        font-size 20px
        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
  }
]
})
```

2) 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 mongod 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)

- [2、获取食品分类列表] (#2 获取食品分类列表)

- [3、根据经纬度获取商铺列表] (#3 根据经纬度获取商铺列表)

- [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)

- [5、获取一次性验证码] (#5 获取一次性验证码)

- [6、用户名密码登陆] (#6 用户名密码登陆)

- [7、发送短信验证码] (#7 发送短信验证码)

- [8、手机号验证码登陆] (#8 手机号验证码登陆)

- [9、根据会话获取用户信息] (#9 根据会话获取用户信息)

- [10、用户登出] (#10 用户登出)

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
<code>latitude</code>	Y	<code>string</code>	纬度
<code>longitude</code>	Y	<code>string</code>	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="#76dfd" 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) (<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 chrome 插件
- 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)
      })
  })
}
```

2) 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})

/**
 * 账号密码登录
 */
export const reqPwdLogin = (name, pwd, captcha) => ajax('/api/login_pwd', {
  name,
  pwd,
  captcha
}, 'POST')

/**
 * 获取短信验证码
 */
export const reqSendCode = phone => ajax('/api/sendcode', {phone})

/**
 * 手机号验证码登录
 */
export const reqSmsLogin = (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')

/**
```

```
* 请求登出
*/
export const reqLogout = () => ajax('/api/logout')
```

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:4000', // 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">
                
              </div>
              <span>{{c.title}}</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>
      <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 {  
      imgUrl: '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">
            
          </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>
              </section>
            </section>
          </div>
        </a>
      </li>
    </ul>
  </div>
</template>
```

```

        </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">
        
    </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 20px
height 20px
margin-right 22px
background-size 20px 20px
&: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 15px
height 15px
margin-right 6px
background-size 15px 15px
&: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 10px
height 10px
margin-right 3px
background-size 10px 10px
&: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. 说明

- 1) 界面相关效果
 - a. 切换登陆方式
 - b. 手机号合法检查
 - c. 倒计时效果
 - d. 切换显示或隐藏密码
 - e. 前台验证提示
- 2) 前后台交互功能

- a. 动态一次性图形验证码
- b. 动态一次性短信验证码
- c. 短信登陆
- d. 密码登陆
- e. 获取用户信息,实现自动登陆
- f. 退出登陆

2.19.2. vuex

3) state.js

```
userInfo: {}, // 用户信息
```

4) mutation-types.js

```
export const RECEIVE_USER_INFO = 'receive_user_info' // 接收用户信息
export const RESET_USER_INFO = 'reset_user_info' // 重置用户信息
```

5) mutations.js

```
[RECEIVE_USER_INFO](state, {userInfo}) {
  state.userInfo = userInfo
}
[RESET_USER_INFO](state) {
  state.userInfo = {}
}
```

6) 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})
  }
}
```

```
}

// 退出登陆
async logout({commit}) {
  const result = await reqLogout()
  if(result.code===0) {
    commit(RESET_USER_INFO)
  }
},
```

2.19.3. 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')
},
```

2.19.4. 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="userInfo._id?'/userinfo':'/login'"
  class="header_login">
    <span class="header_login_text" v-if="!userInfo._id">登录|注册</span>
    <span class="header_login_text" v-else>
      <i class="iconfont icon-person"></i>
    </span>
  </router-link>
</HeaderTop>

...mapState(['address', 'categorys', 'userInfo']),
```


2.19.5. 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'])
}
```

2.19.6. 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: String
    },

    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: -90px
      margin-left: -110px
```

```
width: 60%
animation: tipMove .4s;
background-color: rgba(255, 255, 255, 1);
border: 1px;
padding-top: 20px
display: flex;
justify-content: center;
align-items: center;
flex-direction: column;
border-radius: 5px
.tip_icon
  width: 55px
  height: 55px
  border: 2px solid #f8cb86;
  border-radius: 50%;
  font-size 20px
  display: flex;
  justify-content: center;
  align-items: center;
  flex-direction: column;
  span:nth-of-type(1)
    width: 2px
    height: 30px
    background-color: #f8cb86;
  span:nth-of-type(2)
    width: 2px
    height: 2px
    border: 1px;
    border-radius: 50%;
    margin-top: 2px
    background-color #f8cb86
.tip_text
  font-size 14px
  color #333
  line-height 20px
  text-align center
  margin-top 10px
  padding 0 5px
.confrim
  font-size 18px
  font-weight bold
  margin-top 10px
```

```
background-color #4cd964
width 100%
text-align center
line-height 35px
border 1px
color #fff
border-bottom-left-radius 5px
border-bottom-right-radius 5px
</style>
```

2.19.7. 使用 mint-ui

- 1) 主页: <http://mint-ui.github.io/#!/zh-cn>
- 2) 下载:

```
npm install --save mint-ui
```

- 3) 实现按需打包

1. 下载

```
npm install --save-dev babel-plugin-component
```

2. 修改 babel 配置

```
"plugins": ["transform-runtime", ["component", [
  {
    "libraryName": "mint-ui",
    "style": true
  }
]]]
```

- 4) mint-ui 组件分类

- a. 标签组件
 - b. 非标签组件

- 5) 使用 mint-ui 的组件

```
import {Button} from 'mint-ui'
// 注册全局组件
Vue.component(Button.name, Button)

<section class="profile_my_order border-1px" v-if="userInfo._id">
  <mt-button class="logout" type="danger" @click="logout">退出登陆</mt-button>
```

```
</section>

import { MessageBox } from 'mint-ui';

methods: {
  logout () {
    MessageBox.confirm('确定退出登陆吗?').then(action => {
      this.$store.dispatch('logout')
    });
  }
},
},
```

2.19.8. Login.vue

```
<template>
  <section 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: !loginWay}" @click="loginWay=false">短信
          登录</a>
          <a href="javascript:;" :class="{on: loginWay}" @click="loginWay=true">密码登
          录</a>
        </div>
      </div>
      <div class="login_content">
        <form @submit.prevent="login">
          <div :class="{on: !loginWay}">
            <section class="login_message">
              <input type="tel" maxlength="11" placeholder="手机号" v-model="phone">
              <button :disabled="!rightPhone" class="get_verification"
                :class="{right_phone: rightPhone}" @click.prevent="getCode">
                {{computeTime > 0 ? computeTime + 'S' : '获取验证码'}}
              </button>
            </section>
            <section class="login_verification">
              <input type="tel" maxlength="8" placeholder="验证码" v-model="code">
            </section>
          </div>
        </form>
      </div>
    </div>
  </section>
</template>
```

```

</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-model="pwd"
v-if="showPassword">
      <input type="password" maxlength="8" placeholder="密码" v-model="pwd"
v-if="!showPassword">
      <div class="switch_button" :class="showPassword ? 'on' : 'off'"
@click="showPassword=!showPassword">
        <div class="switch_circle" :class="{right: showPassword}"></div>
        <span class="switch_text">{{showPassword ? 'abc' : '...'}}</span>
      </div>
    </section>
    <section class="login_message">
      <input type="text" maxlength="11" placeholder="验证码"
v-model="captcha">
      
    </section>
  </section>
</div>
<button class="login_submit">登录</button>
</form>
<a href="javascript:;" class="about_us">关于我们</a>
</div>
<a href="javascript:" class="go_back" @click="$router.back()">
  <i class="iconfont icon-jiantou2"></i>
</a>
</div>
<AlertTip :alertText="alertText" v-show="showAlert" @closeTip="closeTip"/>
</section>

```

```
</template>

<script>
import {reqPwdLogin, reqSendCode, reqSmsLogin} from '.././api'
import AlertTip from '.././components/AlertTip/AlertTip.vue'

export default {
  data() {
    return {
      loginWay: true, // true 代表密码登陆, false 代表短信登陆
      computeTime: 0,
      showPassword: false, // 是否显示密码
      phone: '', // 手机号
      code: '', // 短信验证码
      name: '', // 密码
      pwd: '', // 密码
      captcha: '', // 图形验证码
      showAlert: false, // 是否显示提示框
      alertText: '', // 提示框文本
    }
  },

  mounted() {
    this.name = ''
    this.pwd = ''
  },

  computed: {
    rightPhone() {
      return /^1\d{10}$/.test(this.phone)
    }
  },

  methods: {
    // 获取短信验证码
    async getCode() {

      if (this.computeTime === 0) {
        // 开始倒计时
        this.computeTime = 60
        // 启动循环定时器, 每隔 1s 减少 1
        this.intervalId = setInterval(() => {
```

```
        this.computeTime--
        // 如果到时, 停止计时
        if (this.computeTime === 0) {
            clearInterval(this.intervalId)
        }
    }, 1000)

    // 发送ajax 请求( 请求后台向指定手机号发验证码短信)
    // 发送短信验证码
    let result = await reqSendCode(this.phone)
    if (result.code === 1) {
        // 显示提示框
        this.showAlert = true
        this.alertText = result.msg
        // 停止倒计时
        if(this.computeTime) {
            this.computeTime = 0
            clearInterval(this.intervalId)
        }
    }
}

// 获取图形验证码
getCaptcha() {
    this.$refs.captcha.src = 'http://localhost:4000/captcha?time=' + Date.now()
},

// 关闭提示框
closeTip () {
    this.showAlert = false
    this.alertText = ''
},

// 发送登录信息
async login() {
    // debugger
    if (!this.loginWay) {
        if (!this.rightPhone) {
            this.showAlert = true;
            this.alertText = '手机号码不正确'
            return
        }
    }
}
```



```
    } else if (!(/^\d{6}$/gi.test(this.code))) {
      this.showAlert = true;
      this.alertText = '短信验证码不正确'
      return
    }

    //手机号短信登录
    const result = await reqSmsLogin(this.phone, this.code);
    if (result.code === 0) {
      this.userInfo = result.data
    } else {
      this.userInfo = {
        msg: '登陆失败, 手机号或验证不正确'
      }
    }
  }

} else {
  if (!this.name) {
    this.showAlert = true
    this.alertText = '请输入手机号/邮箱/用户名'
    return
  } else if (!this.pwd) {
    this.showAlert = true;
    this.alertText = '请输入密码'
    return
  } else if (!this.captcha) {
    this.showAlert = true
    this.alertText = '请输入验证码'
    return
  }
}

//用户名登录
const result = await reqPwdLogin(this.name, this.pwd, this.captcha)
if (result.code === 0) {
  this.userInfo = result.data
} else {
  this.userInfo = {
    msg: result.msg
  }
}
}

//如果返回的值不正确, 则弹出提示框, 返回的值正确则返回上一页
```

```
    if (!this.userInfo._id) {
      this.showAlert = true
      this.alertText = this.userInfo.msg
      if (!this.loginWay) {
        this.getCaptcha()
      }
    } else {
      this.$store.dispatch('recordUserInfo', this.userInfo)
      this.$router.back()
    }
  },
},
},

components: {
  AlertTip
}
}

</script>

<style lang="stylus" rel="stylesheet/stylus">
  .loginContainer
    width 100%
    height 100%
    background #fff
  .loginInner
    padding-top 60px
    width 80%
    margin 0 auto
  .login_header
    .login_logo
      font-size 40px
      font-weight bold
      color #02a774
      text-align center
    .login_header_title
      padding-top 40px
      text-align center
  > a
    color #333
    font-size 14px
    padding-bottom 4px
```

```
&:first-child
    margin-right 40px
&.on
    color #02a774
    font-weight 700
    border-bottom 2px solid #02a774
.login_content
> form
> div
    display none
    &.on
        display block
input
    width 100%
    height 100%
    padding-left 10px
    box-sizing border-box
    border 1px solid #ddd
    border-radius 4px
    outline 0
    font 400 14px Arial
    &:focus
        border 1px solid #02a774
.login_message
    position relative
    margin-top 16px
    height 48px
    font-size 14px
    background #fff
    .get_verification
        position absolute
        top 50%
        right 10px
        transform translateY(-50%)
        border 0
        color #ccc
        font-size 14px
        background transparent
        &.right_phone
            color: black
    .login_verification
        position relative
```

```
margin-top 16px
height 48px
font-size 14px
background #fff
.switch_button
  font-size 12px
  border 1px solid #ddd
  border-radius 8px
  transition background-color .3s, border-color .3s
  padding 0 6px
  width 30px
  height 16px
  line-height 16px
  color #fff
  position absolute
  top 50%
  right 10px
  transform translateY(-50%)
  &.off
    background #fff
    .switch_text
      float right
      color #ddd
  &.on
    background #02a774
> .switch_circle
  position absolute
  top -1px
  left -1px
  width 16px
  height 16px
  border 1px solid #ddd
  border-radius 50%
  background #fff
  box-shadow 0 2px 4px 0 rgba(0, 0, 0, .1)
  transition transform .3s
  &.right
    transform translateX(30px)
.login_hint
margin-top 12px
color #999
font-size 14px
```

```
        line-height 20px
    > a
        color #02a774
.login_submit
    display block
    width 100%
    height 42px
    margin-top 30px
    border-radius 4px
    background #4cd96f
    color #fff
    text-align center
    font-size 16px
    line-height 42px
    border 0
.about_us
    display block
    font-size 12px
    margin-top 20px
    text-align center
    color #999
.go_back
    position absolute
    top 5px
    left 5px
    width 30px
    height 30px
> .iconfont
    font-size 20px
    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>
    <ShopHeader/>
    <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 40px
    line-height 40px
    background #fff
    bottom-border-1px(rgba(7, 17, 27, 0.1))
  .tab-item
```



```
float left
width: 33.33333%
text-align center
font-size 14px
color rgb(77, 85, 93)
a
  display block
  position relative
  &.router-link-active
    color #02a774
    &::after
      content ''
      position absolute
      left 50%
      bottom 1px
      width 35px
      height 2px
      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
 - a. 结构: 名称, 数据类型
 - b. value
 - c. 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

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2) 学习

- a. <http://mockjs.com/>
- b. <https://github.com/nuysoft/Mock>

3) 下载:

```
npm install mockjs --save
```

4) 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

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

2) 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
```

3) mutations.js

```
[RECEIVE_INFO](state, {info}) {  
  state.info = info  
},  
  
[RECEIVE_RATINGS](state, {ratings}) {  
  state.ratings = ratings  
},  
  
[RECEIVE_GOODS](state, {goods}) {  
  state.goods = goods  
},
```

4) 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">
      <a class="back">
        <i class="iconfont icon-arrow_left"></i>
      </a>
    </nav>

    <div class="shop-content">
      
      <div class="header-content">
        <h2 class="content-title">
          <span class="content-tag">
            <span class="mini-tag">品牌</span>

```

```
</span>
<span class="content-name">大鸭梨</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 100 单</span>
  <span class="shop-message-detail">
    硅谷专送
    <span>约 30 分钟</span>
  </span>
  <span class="shop-message-detail">距离 1000m</span>
</div>
</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 ellipsis">新用户下单立减 17 元</span>
    </div>
  </div>
  <div class="discounts-right">
    4 个优惠
  </div>
</div>
<div class="shop-brief-modal">
  <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>
    </ul>
  </div>
</div>
```

```
</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>
      </li>
    </ul>
  </div>
</div>
```

```
</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>
<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>
</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 40px
      padding 5px 10px
      position relative
      background-image
        url("https://fuss10.elemecdn.com/f/5c/ead54394c3de198d3e6d3e9111bbfpng.png")
      &::before
        content ""
        position absolute
        left 0
        right 0
        top 0
        bottom 0
        background-color rgba(119, 103, 137, .43)
      .back
        position: absolute
        top: 10px
        left: 0
        .icon-arrow_left
          display: block
          padding: 5px
          font-size: 20px
          color: #fff

  .shop-content
    padding 30px 20px 5px 20px
    position relative
    display flex
```

```
background #fff
text-align center
img
  box-shadow: 0 0 0.4vw 0 rgba(0, 0, 0, .2);
  position: absolute;
  top: 0;
  left: 50%;
  width: 66px
  height: 66px
  border-radius: 2px
  margin-left -33px
  margin-top -40px
.header-content
  flex 1
  width 72%
  .content-title
    font-size 20px
    line-height 24px
    font-weight 700
    white-space nowrap
    position relative
    display flex
    align-items center
    justify-content center
    color #333
    .content-tag
      border-radius 2px
      background-image linear-gradient(90deg, #fff100, #ffe339)
      width 36px
      height: 18px
      margin-right 10px
      color #6a3709
      font-style normal
      font-weight 700
      position relative
      .mini-tag
        position absolute
        left 0
        top 0
        right -100%
        bottom -100%
        font-size 24px
```

```
        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 20px
        position relative
        height 16px
        &::after
            content ""
            border-style solid
            border-width: 6px 0 6px 7px
            border-color transparent transparent transparent rgba(0, 0, 0, .67)
            position absolute
            left 8px
            top 3px
    .shop-message
        white-space nowrap
        height 12px
        margin-top 8px
        font-size 11px
        color #333
        .shop-message-detail:not(:last-child)::after
            content " \B7 "
            opacity .2
    .shop-notice
        width 63%
        font-size 11px
        font-weight 300
        color #999
        overflow hidden
        text-overflow ellipsis
        margin 8px auto 10px
        white-space nowrap
```

```
.shop-header-discounts
  display flex
  background #fff
  border-radius 1px
  border 1px solid #eee
  padding 5px 7px
  font-size 11px
  color #666
  margin 0 30px
  align-items center
  .discounts-left
    flex 1
    overflow hidden
  .activity
    display flex
    align-items center
  .content-tag
    border-radius 1px
    width 25px
    height 13px
    margin-right 5px
    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 18px
    font-weight 600
    transform scale(.5)
    transform-origin 0 0
    display flex
    align-items center
    justify-content center

  .discounts-right
    width 50px
```

```
flex-shrink 0
position relative
padding-right 10px
text-align right
&::after
  content ""
  display block
  border-style solid
  border-width 4px 4px 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 25px 20px
    border-radius 5px
    background #fff
```

```
z-index 99
display flex
flex-direction column
.content-title
  font-size 20px
  line-height 24px
  font-weight 700
  white-space nowrap
  position relative
  display flex
  align-items center
  justify-content center
  > span
    font-weight 600
  .content-tag
    border-radius 2px
    background-image linear-gradient(90deg, #fff100, #ffe339)
    width 36px
    height 18px
    margin-right 10px
    color #6a3709
    font-style normal
    position relative
    .mini-tag
      position absolute
      left 0
      top 0
      right -100%
      bottom -100%
      font-size 24px
      transform scale(.5)
      transform-origin 0 0
      display flex
      align-items center
      justify-content center
    .brief-modal-msg
      display flex
      margin 20px -10px 0
      > li
        flex 1
        text-align center
      > h3
```

```
        font-size 15px
        font-weight 600
        color #333
        margin-bottom 8px
    > p
        font-size 12px
        color #999
.brief-modal-title
    position relative
    text-align center
    margin 15px auto 15px
    width 85px
    background-image linear-gradient(90deg, #fff, #333 50%, #fff)
    background-size 100% 1px
    background-position 50%
    background-repeat no-repeat
    > span
        font-size 12px
        padding 0 6px
        color #999
        background-color #fff
.brief-modal-notice
    font-size 13px
    line-height 1.54
    color #333
    overflow-y auto

.mask-footer
    position absolute
    bottom -60px
    left 50%
    padding 6px
    border 1px solid rgba(255, 255, 255, .7)
    border-radius 50%
    transform translateX(-50%)
    span
        font-size 16px
        color rgba(255, 255, 255, .7)
.activity-sheet
    position fixed
    top 0
    left 0
```

```
width 100%
height 100%
z-index 99
.activity-sheet-content
  position absolute
  background-color #f5f5f5
  box-shadow 0 -1px 5px 0 rgba(0, 0, 0, .4)
  bottom 0
  left 0
  right 0
  z-index 100
  padding 20px 30px
  box-sizing border-box
  transition transform .2s
  will-change transform
  color #333
.activity-sheet-title
  text-align center
  font-size 20px
  font-weight 600
  margin-bottom 20px
.list
  font-size 16px
  height 160px
  overflow-y auto
  .activity-item
    margin-bottom 12px
    display flex
    font-size 13px
    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 2px
```



```
width 36px
height: 18px
margin-right 10px
color #fff
font-style normal
position relative
.mini-tag
  position absolute
  left 0
  top 0
  right -100%
  bottom -100%
  font-size 24px
  transform scale(.5)
  transform-origin 0 0
  display flex
  align-items center
  justify-content center
.activity-sheet-close
  position absolute
  right 6px
  top 10px
  width 25px
  height 25px
  > span
    font-size 20px

.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">
  
  <div class="header-content" @click="toggleShopShow">
    <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">{{info.score}}</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>
  </div>

  <div class="shop-header-discounts" v-if="info.supports"
  @click="toggleSupportsShow">
    <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 ellipsis">{{info.supports[0].content}}</span>
      </div>
    </div>
    <div class="discounts-right">
      {{info.supports.length}}个优惠
    </div>
  </div>
</div>
```

```
<transition name="fade">
  <div class="shop-brief-modal" v-show="shopShow">
    <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="toggleShopShow">
        <span class="iconfont icon-close"></span>
      </div>
    </div>
  </div>
```

```
<div class="brief-modal-cover"></div>
</div>
</transition>

<transition name="fade">
  <div class="activity-sheet" v-show="supportsShow">
    <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="toggleSupportsShow">
        <span class="iconfont icon-close"></span>
      </div>
    </div>
    <div class="activity-sheet-cover"></div>
  </div>
</transition>

</div>
</template>

<script>
import {mapState} from 'vuex'

export default {
  data() {
    return {
      supportClasses: ['activity-green', 'activity-red', 'activity-orange'],
      supportsShow: false,
      shopShow: false
    }
  },

  mounted() {
    this.$store.dispatch('getShopInfo')
```

```
    },  
  
    computed: {  
      ...mapState(['info'])  
    },  
  
    methods: {  
      toggleSupportsShow() {  
        this.supportsShow = !this.supportsShow  
      },  
      toggleShopShow() {  
        this.shopShow = !this.shopShow  
      }  
    }  
  }  
}  
</script>  
  
<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 40px  
      padding 5px 10px  
      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: 10px
left: 0
.icon-arrow_left
  display: block
  padding: 5px
  font-size: 20px
  color: #fff

.shop-content
  padding 30px 20px 5px 20px
  position relative
  display flex
  background #fff
  text-align center
  img
    box-shadow: 0 0 0.4vw 0 rgba(0, 0, 0, .2);
    position: absolute;
    top: 0;
    left: 50%;
    width: 66px
    height: 66px
    border-radius: 2px
    margin-left -33px
    margin-top -40px
  .header-content
    flex 1
    width 72%
    .content-title
      font-size 20px
      line-height 24px
      font-weight 700
      white-space nowrap
      position relative
      display flex
      align-items center
      justify-content center
      color #333
    .content-tag
      border-radius 2px
      background-image linear-gradient(90deg, #fff100, #ffe339)
      width 36px
      height: 18px
```

```
margin-right 10px
color #6a3709
font-style normal
font-weight 700
position relative
.mini-tag
    position absolute
    left 0
    top 0
    right -100%
    bottom -100%
    font-size 24px
    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 20px
    position relative
    height 16px
    &::after
        content ""
        border-style solid
        border-width: 6px 0 6px 7px
        border-color transparent transparent transparent rgba(0, 0, 0, .67)
        position absolute
        left 8px
        top 3px
.shop-message
    white-space nowrap
    height 12px
    margin-top 8px
    font-size 11px
    color #333
.shop-message-detail:not(:last-child)::after
```

```
        content " \B7 "  
        opacity .2  
    .shop-notice  
        width 63%  
        font-size 11px  
        font-weight 300  
        color #999  
        overflow hidden  
        text-overflow ellipsis  
        margin 8px auto 10px  
        white-space nowrap  
  
    .shop-header-discounts  
        display flex  
        background #fff  
        border-radius 1px  
        border 1px solid #eee  
        padding 5px 7px  
        font-size 11px  
        color #666  
        margin 0 30px  
        align-items center  
    .discounts-left  
        flex 1  
        overflow hidden  
    .activity  
        display flex  
        align-items center  
    .content-tag  
        border-radius 1px  
        width 25px  
        height 13px  
        margin-right 5px  
        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 18px
        font-weight 600
        transform scale(.5)
        transform-origin 0 0
        display flex
        align-items center
        justify-content center

.discounts-right
    width 50px
    flex-shrink 0
    position relative
    padding-right 10px
    text-align right
    &::after
        content ""
        display block
        border-style solid
        border-width 4px 4px 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
    &.fade-enter-active, &.fade-leave-active
        transition opacity .3s
    &.fade-enter-active, &.fade-leave-active
```

```
opacity 0
.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 25px 20px
  border-radius 5px
  background #fff
  z-index 99
  display flex
  flex-direction column
  .content-title
    font-size 20px
    line-height 24px
    font-weight 700
    white-space nowrap
    position relative
    display flex
    align-items center
    justify-content center
    > span
      font-weight 600
  .content-tag
    border-radius 2px
    background-image linear-gradient(90deg, #fff100, #ffe339)
    width 36px
    height 18px
    margin-right 10px
    color #6a3709
    font-style normal
    position relative
    .mini-tag
      position absolute
      left 0
```

```
top 0
right -100%
bottom -100%
font-size 24px
transform scale(.5)
transform-origin 0 0
display flex
align-items center
justify-content center

.brief-modal-msg
display flex
margin 20px -10px 0
> li
flex 1
text-align center
> h3
font-size 15px
font-weight 600
color #333
margin-bottom 8px
> p
font-size 12px
color #999

.brief-modal-title
position relative
text-align center
margin 15px auto 15px
width 85px
background-image linear-gradient(90deg, #fff, #333 50%, #fff)
background-size 100% 1px
background-position 50%
background-repeat no-repeat
> span
font-size 12px
padding 0 6px
color #999
background-color #fff

.brief-modal-notice
font-size 13px
line-height 1.54
color #333
overflow-y auto
```

```
.mask-footer
  position absolute
  bottom -60px
  left 50%
  padding 6px
  border 1px solid rgba(255, 255, 255, .7)
  border-radius 50%
  transform translateX(-50%)
  span
    font-size 16px
    color rgba(255, 255, 255, .7)
.activity-sheet
  position fixed
  top 0
  left 0
  width 100%
  height 100%
  z-index 99
  &.fade-enter-active, &.fade-leave-active
    transition opacity .3s
  &.fade-enter-active, &.fade-leave-active
    opacity 0
.activity-sheet-content
  position absolute
  background-color #f5f5f5
  box-shadow 0 -1px 5px 0 rgba(0, 0, 0, .4)
  bottom 0
  left 0
  right 0
  z-index 100
  padding 20px 30px
  box-sizing border-box
  transition transform .2s
  will-change transform
  color #333
.activity-sheet-title
  text-align center
  font-size 20px
  font-weight 600
  margin-bottom 20px
.list
```

```
font-size 16px
height 160px
overflow-y auto
.activity-item
  margin-bottom 12px
  display flex
  font-size 13px
  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 2px
    width 36px
    height: 18px
    margin-right 10px
    color #fff
    font-style normal
    position relative
    .mini-tag
      position absolute
      left 0
      top 0
      right -100%
      bottom -100%
      font-size 24px
      transform scale(.5)
      transform-origin 0 0
      display flex
      align-items center
      justify-content center
.activity-sheet-close
  position absolute
  right 6px
  top 10px
```

```
width 25px
height 25px
> span
font-size 20px

.activity-sheet-cover
position absolute
width 100%
height 100%
top 0
left 0
background-color rgba(0, 0, 0, .5)
</style>
```

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
 - a. ShopCart: 购物车组件
 - b. CartControl: 购物车操作组件
 - c. 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

```
<template>
  <div>
    <div class="goods">
      <div class="menu-wrapper" ref="menuWrapper">
        <ul>
          <li class="menu-item current">
            <span class="text bottom-border-1px">
              
              折扣
            </span>
          </li>
        </ul>
      </div>
    </div>
  </div>
```

```

</li>
<li class="menu-item">
  <span class="text bottom-border-1px">
    
    优惠
  </span>
</li>
</ul>
</div>

<div class="foods-wrapper" ref="foodsWrapper">
  <ul>
    <li class="food-list-hook">
      <h1 class="title">折扣</h1>
      <ul>
        <li class="food-item bottom-border-1px">
          <div class="icon">
            
          </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
            </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?imageVi

```



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```
        </div>
      </div>
    </li>
  </ul>
</li>
</ul>
</div>
</div>
</div>
</template>
```

2.23.4. stylus 样式

```
<style lang="stylus" rel="stylesheet/stylus">
  @import "../common/stylus/mixins.styl"
  .goods
    display: flex
    position: absolute
    top: 195px
    bottom: 46px
    width: 100%
    background: #fff;
    overflow: hidden
  .menu-wrapper
    flex: 0 0 80px
    width: 80px
    background: #f3f5f7
  .menu-item
    display: table
    height: 54px
    width: 56px
    padding: 0 12px
    line-height: 14px
  &.current
    position: relative
    z-index: 10
    margin-top: -1px
    background: #fff
    color: $green
```

```
font-weight: 700
.text
  border-none()
.icon
  display: inline-block
  vertical-align: top
  width: 12px
  height: 12px
  margin-right: 2px
  background-size: 12px 12px
  background-repeat: no-repeat
.text
  display: table-cell
  width: 56px
  vertical-align: middle
  bottom-border-1px(rgba(7, 17, 27, 0.1))
  font-size: 12px
.foods-wrapper
  flex: 1
.title
  padding-left: 14px
  height: 26px
  line-height: 26px
  border-left: 2px solid #d9dde1
  font-size: 12px
  color: rgb(147, 153, 159)
  background: #f3f5f7
.food-item
  display: flex
  margin: 18px
  padding-bottom: 18px
  bottom-border-1px(rgba(7, 17, 27, 0.1))
  &:last-child
    border-none()
    margin-bottom: 0
.icon
  flex: 0 0 57px
  margin-right: 10px
.content
  flex: 1
.name
  margin: 2px 0 8px 0
```

```
height: 14px
line-height: 14px
font-size: 14px
color: rgb(7, 17, 27)
.desc, .extra
line-height: 10px
font-size: 10px
color: rgb(147, 153, 159)
.desc
line-height: 12px
margin-bottom: 8px
.extra
.count
margin-right: 12px
.price
font-weight: 700
line-height: 24px
.now
margin-right: 8px
font-size: 14px
color: rgb(240, 20, 20)
.old
text-decoration: line-through
font-size: 10px
color: rgb(147, 153, 159)
.cartcontrol-wrapper
position: absolute
right: 0
bottom: 12px
</style>
```

2.23.5. ShopGoods.vue

```
<template>
  <div>
    <div class="goods">
      <div class="menu-wrapper">
        <ul>
          <!--current--> <!--currentIndex-->
```

```

        <li class="menu-item" v-for="(good, index) in goods"
            :key="index" :class="{current: currentIndex===index}"
            @click="clickMenuItem(index)">
            <span class="text bottom-border-1px">
                
                {{good.name}}
            </span>
        </li>
    </ul>
</div>
<div class="foods-wrapper">
    <ul ref="foodsWrapperUl">
        <li class="food-list food-list-hook" v-for="(good, index) in
goods" :key="index">
            <h1 class="title">{{good.name}}</h1>
            <ul>
                <li class="food-item bottom-border-1px" v-for="(food, index) in
good.foods"
                    :key="index">
                    <div class="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-if="food.oldPrice">¥{{food.oldPrice}}</span>
                        </div>
                        <div class="cartcontrol-wrapper">
                            CartControl
                        </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: 6px  
      line-height: 24px  
      font-size: 24px  
      color: rgb(0, 160, 220)  
  
    .icon-remove_circle_outline  
      display: inline-block  
      padding: 6px  
      line-height: 24px  
      font-size: 24px  
      color: $green  
    .cart-count
```

```
display: inline-block
vertical-align: top
width: 12px
padding-top: 6px
line-height: 24px
text-align: center
font-size: 10px
color: rgb(147, 153, 159)
.icon-add_circle
display: inline-block
padding: 6px
line-height: 24px
font-size: 24px
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.stop="updateFoodCount(false)"></div>
    </transition>
    <div class="cart-count" v-show="food.count">{{food.count}}</div>
    <div class="iconfont icon-add_circle" @click.stop="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 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 48px
    .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 -10px
margin 0 12px
padding 6px
width 56px
height 56px
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 44px
font-size 24px
color #80858a
&.highlight
color #fff
.num
position absolute
top 0
right 0
width 24px
height 16px
line-height 16px
text-align center
border-radius 16px
font-size 9px
font-weight 700
color #ffffff
background rgb(240, 20, 20)
box-shadow 0 4px 8px 0 rgba(0, 0, 0, 0.4)
```

```
.price
  display inline-block
  vertical-align top
  margin-top 5px
  line-height 24px
  padding-right 12px
  box-sizing border-box
  font-size 16px
  font-weight 700
  color #fff
  &.highlight
    color #fff
.desc
  display inline-block
  vertical-align bottom
  margin-bottom 15px
  margin-left -45px
  font-size 10px
.content-right
  flex 0 0 105px
  width 105px
.pay
  height 48px
  line-height 48px
  text-align center
  font-size 12px
  font-weight 700
  color #fff
  &.not-enough
    background #2b333b
  &.enough
    background #00b43c
    color #fff
.ball-container
  .ball
    position fixed
    left 32px
    bottom 22px
    z-index 200
    transition all 0.4s cubic-bezier(0.49, -0.29, 0.75, 0.41)
  .inner
    width 16px
```

```
height 16px
border-radius 50%
background $green
transition all 0.4s linear

.shopcart-list
position absolute
left 0
top 0
z-index -1
width 100%
transform translateY(-100%)
&.swipe-enter-active, &.swipe-leave-active
transition transform .3s
&.swipe-enter, &.swipe-leave-to
transform translateY(0)

.list-header
height 40px
line-height 40px
padding 0 18px
background #f3f5f7
border-bottom 1px solid rgba(7, 17, 27, 0.1)

.title
float left
font-size 14px
color rgb(7, 17, 27)

.empty
float right
font-size 12px
color rgb(0, 160, 220)

.list-content
padding 0 18px
max-height 217px
overflow hidden
background #fff

.food
position relative
padding 12px 0
box-sizing border-box
bottom-border-1px(rgba(7, 17, 27, 0.1))

.name
line-height 24px
```

```
font-size 14px
color rgb(7, 17, 27)
.price
position absolute
right 90px
bottom 12px
line-height 24px
font-size 14px
font-weight 700
color rgb(240, 20, 20)
.cartcontrol-wrapper
position absolute
right 0
bottom 6px

.list-mask
position fixed
top 0
left 0
width 100%
height 100%
z-index 40
backdrop-filter blur(10px)
opacity 1
background rgba(7, 17, 27, 0.6)
&.fade-enter-active, &.fade-leave-active
transition all 0.5s
&.fade-enter, &.fade-leave-to
opacity 0
background rgba(7, 17, 27, 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 Food 组件

2.26.1. 静态模板

```
<template>
  <div class="food">
    <div class="food-content">
      <div class="image-header">
        
        <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>
</template>
```

2.26.2. stylus 样式

```
<style lang="stylus" rel="stylesheet/stylus" scoped>
  @import "../common/stylus/mixins.styl"

  .food
    position: fixed
    left: 0
    top: 0
    bottom: 48px
    z-index: 101
    width: 100%
    &.fade-enter-active, &.fade-leave-active
      transition opacity .5s
    &.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 5px
  .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 10px
    color #ddd
    letter-spacing 0
```

```
position absolute
bottom 0
left 0
right 0
padding 0 10px 10px
.back
position: absolute
top: 10px
left: 0
.icon-arrow_left
display: block
padding: 10px
font-size: 20px
color: #fff
.content
position: relative
padding: 18px
.title
line-height: 14px
margin-bottom: 8px
font-size: 14px
font-weight: 700
color: rgb(7, 17, 27)
.detail
margin-bottom: 18px
line-height: 10px
height: 10px
font-size: 0
.sell-count, .rating
font-size: 10px
color: rgb(147, 153, 159)
.sell-count
margin-right: 12px
.price
font-weight: 700
line-height: 24px
.now
margin-right: 8px
font-size: 14px
color: rgb(240, 20, 20)
.old
text-decoration: line-through
```

```
        font-size: 10px
        color: rgb(147, 153, 159)
    .cartcontrol-wrapper
        position: absolute
        right: 12px
        bottom: 12px
    .buy
        position: absolute
        right: 18px
        bottom: 18px
        z-index: 10
        height: 24px
        line-height: 24px
        padding: 0 12px
        box-sizing: border-box
        border-radius: 12px
        font-size: 10px
        color: #fff
        background: rgb(0, 160, 220)
    &.fade-transition
        transition: all 0.2s
        opacity: 1
    &.fade-enter, &.fade-leave
        opacity: 0
    .food-cover
        position absolute
        top 0
        right 0
        bottom -48px
        left 0
        z-index 55
        background-color rgba(0, 0, 0, 0.5)
</style>
```

2.26.3. 页面模板

```
<template>
  <transition name="fade">
```

```
<div class="food" v-if="isShow" ref="food">
  <div class="food-content">
    <div class="image-header">
      
      <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>
```

2.26.4. JS

```
<script>
import CartControl from '../CartControl/CartControl.vue'

export default {
  props: {
    food: Object
  },

  data() {
```



```
    return {
      isShow: false,
    },

    methods: {
      toggleShow() { // 显示/隐藏当前food
        this.isShow = !this.isShow
      },

      addToCart() {
        this.$store.dispatch('updateFoodCount', {food: this.food, isAdd: true})
      },
    },

    components: {
      CartControl,
    }
  }
</script>
```

2.26.5. 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="food" ref="food"></Food>

  data () {
    return {
      food: {}
    }
  },
  methods: {
    showFood(food) {
      this.food= food
      this.$refs.food.toggleShow()
    }
  }
}
```

```
components: {  
  Food  
}
```

2.27. 开发 ShopRatings 组件

2.27.1. 静态模板

```
<template>  
  <div class="ratings" ref="ratings">  
    <div class="ratings-content">  
      <div class="overview">  
        <div class="overview-left">  
          <h1 class="score">4.7</h1>  
          <div class="title">综合评分</div>  
          <div class="rank">高于周边商家 99%</div>  
        </div>  
        <div class="overview-right">  
          <div class="score-wrapper">  
            <span class="title">服务态度</span>  
            <Star :score="4.6" :size="36" />  
            <span class="score">4.6</span>  
          </div>  
          <div class="score-wrapper">  
            <span class="title">商品评分</span>  
            <Star :score="4.7" :size="36" />  
            <span class="score">4.7</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 class="ratingsselect">
```

```

<div class="rating-type border-1px">
  <span class="block positive active">
    全部<span class="count">30</span>
  </span>
  <span class="block positive">
    满意<span class="count">28</span>
  </span>
  <span class="block negative">
    不满意<span class="count">2</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>

<div class="rating-wrapper">
  <ul>
    <li class="rating-item">
      <div class="avatar">
        
      </div>
      <div class="content">
        <h1 class="name">aa</h1>
        <div class="star-wrapper">
          <Star :score="5" :size="24" />
          <span class="delivery">30</span>
        </div>
        <p class="text">不错</p>
        <div class="recommend">
          <span class="iconfont icon-thumb_up"></span>
          <span class="item">南瓜粥</span>
          <span class="item">皮蛋瘦肉粥</span>
          <span class="item">扁豆焖面</span>
        </div>
        <div class="time">2016-07-23 21:52:44</div>
      </div>
    </li>
    <li class="rating-item">
      <div class="avatar">

```

```

</div>
<div class="content">
  <h1 class="name">aa</h1>
  <div class="star-wrapper">
    <Star :score="4" :size="24" />
    <span class="delivery">30</span>
  </div>
  <p class="text">不错</p>
  <div class="recommend">
    <span class="iconfont icon-thumb_down"></span>
  </div>
  <div class="time">2016-07-23 21:52:44</div>
</div>
</li>
</ul>
</div>
</div>
</div>
</template>
```

2.27.2. stylus 样式

```
<style lang="stylus" rel="stylesheet/stylus">
  @import "../../common/stylus/mixins.styl"

  .ratings
    position: absolute
    top: 195px
    bottom: 0
    left: 0
    width: 100%
    overflow: hidden
    background: #fff

  .overview
    display: flex
    padding: 18px 0

  .overview-left
```

```
flex: 0 0 137px
padding: 6px 0
width: 137px
border-right: 1px solid rgba(7, 17, 27, 0.1)
text-align: center
@media only screen and (max-width: 320px)
  flex: 0 0 120px
  width: 120px
.score
  margin-bottom: 6px
  line-height: 28px
  font-size: 24px
  color: rgb(255, 153, 0)
.title
  margin-bottom: 8px
  line-height: 12px
  font-size: 12px
  color: rgb(7, 17, 27)
.rank
  line-height: 10px
  font-size: 10px
  color: rgb(147, 153, 159)
.overview-right
  flex: 1
  padding: 6px 0 6px 24px
  @media only screen and (max-width: 320px)
    padding-left: 6px
.score-wrapper
  margin-bottom: 8px
  font-size: 0
  .title
    display: inline-block
    line-height: 18px
    vertical-align: top
    font-size: 12px
    color: rgb(7, 17, 27)
  .star
    display: inline-block
    margin: 0 12px
    vertical-align: top
  .score
    display: inline-block
```

```
        line-height: 18px
        vertical-align: top
        font-size: 12px
        color: rgb(255, 153, 0)
    .delivery-wrapper
        font-size: 0
    .title
        line-height: 18px
        font-size: 12px
        color: rgb(7, 17, 27)
    .delivery
        margin-left: 12px
        font-size: 12px
        color: rgb(147, 153, 159)
    .split
        width: 100%
        height: 16px
        border-top: 1px solid rgba(7, 17, 27, 0.1)
        border-bottom: 1px solid rgba(7, 17, 27, 0.1)
        background: #f3f5f7
    .ratingsselect
        .rating-type
            padding: 18px 0
            margin: 0 18px
            border: 1px solid rgba(7, 17, 27, 0.1)
            font-size: 0
        .block
            display: inline-block
            padding: 8px 12px
            margin-right: 8px
            line-height: 16px
            border-radius: 1px
            font-size: 12px
            color: rgb(77, 85, 93)
            background: rgba(77, 85, 93, 0.2)
            &.active
                background: $green
                color: #fff
        .count
            margin-left: 2px
            font-size: 8px
    .switch
```

```
padding: 12px 18px
line-height: 24px
border-bottom: 1px 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: 4px
    font-size: 24px
  .text
    display: inline-block
    vertical-align: top
    font-size: 12px
.rating-wrapper
padding: 0 18px
.rating-item
display: flex
padding: 18px 0
bottom-border-1px(rgba(7, 17, 27, 0.1))
.avatar
flex: 0 0 28px
width: 28px
margin-right: 12px
img
border-radius: 50%
.content
position: relative
flex: 1
.name
margin-bottom: 4px
line-height: 12px
font-size: 10px
color: rgb(7, 17, 27)
.star-wrapper
margin-bottom: 6px
font-size: 0
.star
display: inline-block
```

```
        margin-right: 6px
        vertical-align: top
    .delivery
        display: inline-block
        vertical-align: top
        line-height: 12px
        font-size: 10px
        color: rgb(147, 153, 159)
    .text
        margin-bottom: 8px
        line-height: 18px
        color: rgb(7, 17, 27)
        font-size: 12px
    .recommend
        line-height: 16px
        font-size: 0
    .icon-thumb_up, .icon-thumb_down, .item
        display: inline-block
        margin: 0 8px 4px 0
        font-size: 9px
    .icon-thumb_up
        color: $yellow
    .icon-thumb_down
        color: rgb(147, 153, 159)

    .item
        padding: 0 6px
        border: 1px solid rgba(7, 17, 27, 0.1)
        border-radius: 1px
        color: rgb(147, 153, 159)
        background: #fff
    .time
        position: absolute
        top: 0
        right: 0
        line-height: 12px
        font-size: 10px
        color: rgb(147, 153, 159)
```

```
</style>
```


2.27.3. 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: 16px
    border-top: 1px solid rgba(7, 17, 27, 0.1)
    border-bottom: 1px solid rgba(7, 17, 27, 0.1)
    background: #f3f5f7
</style>
```

2) 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)
```

2.27.4. 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" />
  <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" />
  <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/>

<div class="ratingsselect">
  <div class="rating-type border-1px">
    <span class="block positive" :class="{active: selectType===2}"
    @click="setSelectType(2)">
      全部<span class="count">{{ratings.length}}</span>
    </span>
    <span class="block positive" :class="{active: selectType===0}"
    @click="setSelectType(0)">
      满意<span class="count">{{positiveCount}}</span>
    </span>
    <span class="block negative" :class="{active: selectType===1}"
    @click="setSelectType(1)">
      不满意<span class="count">{{ratings.length-positiveCount}}</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>

<div class="rating-wrapper">
  <ul>
```

```
<li class="rating-item" v-for="(rating, index) in filterRatings" :key="index">
  <div class="avatar">
    
  </div>
  <div class="content">
    <h1 class="name">{{rating.username}}</h1>
    <div class="star-wrapper">
      <Star :score="rating.score" :size="24" />
      <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, index) in
rating.recommend" :key="index">{{item}}</span>
    </div>
    <div class="time">{{rating.rateTime | dateString}}</div>
  </div>
</li>
</ul>
</div>
</div>
</template>
```

2.27.5. JS

```
<script>
import { mapState } from 'vuex'
import BScroll from 'better-scroll'
import Star from '../components/Star/Star.vue'
import Split from '../components/Split/Split.vue'

export default {

  data () {
    return {
      selectType: 0,

```

```
        onlyContent: false
      }
    },
    computed: {
      ...mapState(['info', 'ratings']),

      // 好评数量
      positiveCount (state) {
        return state.ratings.reduce((preTotal, rating) => {
          return preTotal + (rating.rateType===0 ? 1 : 0)
        }, 0)
      },

      // 过滤后评价数组
      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)
          }
        })
      },

      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()
    })
  }
},

components: {
  Star,
  Split
}
}
</script>
```

2.27.6. 自定义过滤器

1) 下载依赖

npm install --save moment

2) 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')  
})
```

3) 加载模块: main.js

```
import './filters' // 加载自定义过滤器
```

2.28. 开发 ShopInfo 组件

2.28.1. 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 40 分钟送达, 距离 100m</span>  
          </div>  
          <div class="delivery-money">配送费 ¥5</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>  
      </section>  
    </div>  
  </div>
```

```
</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">
        
      </li>
      <li class="pic-item">
        
      </li>
      <li class="pic-item">
        
      </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</span></li>
  <li><span class="bold">商家电话</span> <span>13301083744</span></li>
  <li><span class="bold">地址</span> <span>北京市丰台区</span></li>
  <li><span class="bold">营业时间</span> <span>08:35-23:00</span></li>
</ul>
</section>
</div>
</div>
</template>
```

2.28.2. stylus 样式

```
<style lang="stylus" rel="stylesheet/stylus">
  @import "../common/stylus/mixins.styl"

  .shop-info
    position: absolute
    top: 195px
    bottom: 0
    left: 0
    width: 100%
    background: #fff;
    overflow: hidden

  .section
    padding 16px 14px 14px
    font-size 16px
    background-color #fff
    color #666
    border-bottom 1px solid #eee
    position relative

    .section-title
      color #000
      font-weight 700
      line-height 16px
    > .iconfont
      float right
      color #ccc

  .delivery
```



```
margin-top 16px
font-size 13px
line-height 18px
.delivery-icon
  width 55px
  font-size 11px
  margin-right 10px
  display inline-block
  text-align center
  color #fff
  background-color #0097ff
  padding 1px 0
  border-radius 4px
.delivery-money
  margin-top 5px

.activity
margin-top 16px
.activity-item
  margin-bottom 12px
  display flex
  font-size 13px
  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 2px
    width 36px
    height: 18px
    margin-right 10px
    color #fff
    font-style normal
    position relative
  .mini-tag
```

```
        position absolute
        left 0
        top 0
        right -100%
        bottom -100%
        font-size 24px
        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 16px
.pic-list
font-size: 0
.pic-item
display: inline-block
margin-right: 6px
width: 120px
height: 90px
&:last-child
margin: 0
.detail
margin-bottom -16px
> li
display flex
justify-content space-between
align-items center
margin-right -10px
padding 16px 12px 16px 0
line-height 16px
bottom-border-1px(#ddd)
font-size 13px
> .bold
font-weight 700
color #333
&:last-child
border-none()
```

```
.split
width: 100%
height: 16px
border-top: 1px solid rgba(7, 17, 27, 0.1)
border-bottom: 1px solid rgba(7, 17, 27, 0.1)
background: #f3f5f7
</style>
```

2.28.3. 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/>

      <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 class="activity-content">{{support.content}}</span>
            </div>
          </div>
        </div>
      </div>
```

```
</section>

<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">
        
      </li>
    </ul>
  </div>
</section>

<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>
```

2.28.4. JS

```
<script>
import BScroll from 'better-scroll'
import {mapState} from 'vuex'
import Star from '../../components/Star/Star.vue'

export default {
  data() {
    return {
      favorite: localStorage.getItem('favorite') === 'true',
      supportClasses: ['activity-green', 'activity-red', 'activity-orange'],
    }
  },

  // 此时info 可能是一个空对象，也可能是一个带数据的对象
  mounted() {
    this.$nextTick(() => {
      this.ratingsScroll = new BScroll(this.$refs.info, {click: true})
      this.picsScroll = new BScroll(this.$refs.pics, {click: true, scrollX: true})
      // 指定图片ul 的样式宽度(前提是有数据)
      this.info.pics && this.setUlWidth()
    })
  },

  watch: {
    info() { // info 状态数据更新了，但界面还没有真正更新
      this.$nextTick(() => {
        this.ratingsScroll.refresh()
        this.setUlWidth()
        this.picsScroll.refresh()
      })
    }
  },

  computed: {
    ...mapState(['info'])
  },
}
```

```
methods: {
  toggleFavorite() {
    this.favorite = !this.favorite
    // 保存状态
    localStorage.setItem('favorite', this.favorite)
  },

  setUlWidth() {
    const ul = this.$refs.ul
    const liWidth = 120
    const space = 6
    const size = this.info.pics.length
    ul.style.width = (liWidth + space) * size - space + 'px'
  }
},

components: {
  Star
}
}
</script>
```

2.29. 开发 Search 组件

2.29.1. 静态模板

```
<template>
  <section class="search">
    <header class="header">
      <a class="header_title">
        <span class="header_title_text ellipsis">搜索</span>
      </a>
    </header>
    <form class="search_form">
      <input type="search" placeholder="请输入商家名称" class="search_input">
      <input type="submit" class="search_submit">
    </form>
    <section class="list">
```

```
<ul class="list_container">
  <li class="list_li">
    <section class="item_left">
      
    </section>
    <section class="item_right">
      <div class="item_right_text">
        <p>
          <span>aaa</span>
        </p>
        <p>月售 671 单</p>
        <p>20 元起送 / 距离 1058.2 公里</p>
      </div>
    </section>
  </li>
  <li class="list_li">
    <section class="item_left">
      
    </section>
    <section class="item_right">
      <div class="item_right_text">
        <p>
          <span>aaa</span>
        </p>
        <p>月售 671 单</p>
        <p>20 元起送 / 距离 1058.2 公里</p>
      </div>
    </section>
  </li>
</ul>
</section>
</template>
```

2.29.2. stylus 样式

```
<style lang="stylus" rel="stylesheet/stylus" scoped>
  @import "../common/stylus/mixins.styl"
```

```
.search
width 100%
height 100%
overflow hidden
.search_form
clearFix()
margin-top 45px
background-color #fff
padding 12px 8px
input
height 35px
padding 0 4px
border-radius 2px
font-weight bold
outline none
&.search_input
float left
width 79%
border 4px solid #f2f2f2
font-size 14px
color #333
background-color #f2f2f2
&.search_submit
float right
width 18%
border 4px solid #02a774
font-size 16px
color #fff
background-color #02a774

.list
.list_container
background-color: #fff;
.list_li
display: flex;
justify-content: center;
padding: 10px
border-bottom: 1px solid $bc;
.item_left
margin-right: 10px
.restaurant_img
width 50px
```



```
        height 50px
        display block
    .item_right
        font-size 12px
        flex 1
    .item_right_text
        p
            line-height 12px
            margin-bottom 6px
            &:last-child
                margin-bottom 0
    .search_none
        margin: 0 auto
        color: #333
        background-color: #fff
        text-align: center
        margin-top: 0.125rem
</style>
```

2.29.3. API 接口

```
/**
 * 根据关键字搜索相关商家数组
 */
export const reqSearchGoods = (geohash, keyword) => ajax('/api/search_shops', {geohash, keyword})
```

2.29.4. vuex 管理状态

```
searchShops: [] // 搜索商家列表

export const RECEIVE_SEARCH_SHOPS = 'receive_search_shops' // 接收搜索的商品数组

[RECEIVE_SEARCH_SHOPS](state, {searchShops}) {
    state.searchShops = searchShops
},

// 异步搜索商家列表
async searchShop({commit, state}, keyword) {
```

```
const {latitude, longitude} = state
const result = await reqSearchGoods(latitude+', '+longitude, keyword)
commit(RECEIVE_SEARCH_SHOPS, {searchShops: result.data})
},
```

2.29.5. Search.vue

```
<template>
  <section class="search">
    <HeaderTop title="搜索"/>
    <form class="search_form" @submit.prevent="search">
      <input type="search" placeholder="请输入商家名称" class="search_input"
v-model="keyword">
      <input type="submit" class="search_submit">
    </form>

    <section class="list" v-if="searchShops.length">
      <ul class="list_container">
        <router-link :to="{path: '/shop', query: {id: item.id}}" tag="li" v-for="item in
searchShops" :key="item.id" class="list_li">
          <section class="item_left">
            
          </section>
          <section class="item_right">
            <div class="item_right_text">
              <p>
                <span>{{item.name}}</span>
              </p>
              <p>月售 {{item.month_sales|item.recent_order_num}} 单</p>
              <p>{{item.delivery_fee|item.float_minimum_order_amount}} 元起送 / 距离
{{item.distance}}</p>
            </div>
          </section>
        </router-link>
      </ul>
    </section>

    <div class="search_none" v-if="emptyResult">很抱歉！无搜索结果</div>
  </section>
</template>
```

```
<script>
import {mapState} from 'vuex'
import HeaderTop from '../components/HeaderTop/HeaderTop.vue'
export default {

  data () {
    return {
      emptyResult: false,
      imgBaseUrl: 'http://cangdu.org:8001/img/',
      keyword: ''
    }
  },

  computed: {
    ...mapState(['searchShops'])
  },

  methods: {
    search () {
      const keyword = this.keyword.trim()
      if(keyword) {
        this.emptyResult = false
        this.$store.dispatch('searchShop', keyword)
      }
    }
  },

  watch: {
    searchShops (val) {
      if(!val.length) {
        this.emptyResult = true
      }
    }
  },

  components: {
    HeaderTop
  }
}
</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 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'

const MSite = () => import('../pages/MSite/MSite.vue')
const Search = () => import('../pages/Search/Search.vue')
const Order = () => import('../pages/Order/Order.vue')
const Profile = () => import('../pages/Profile/Profile.vue')
```

2.30.3. 图片懒加载: vue-lazyload

1) Github:

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

2) 下载包

```
npm install --save vue-loader
```

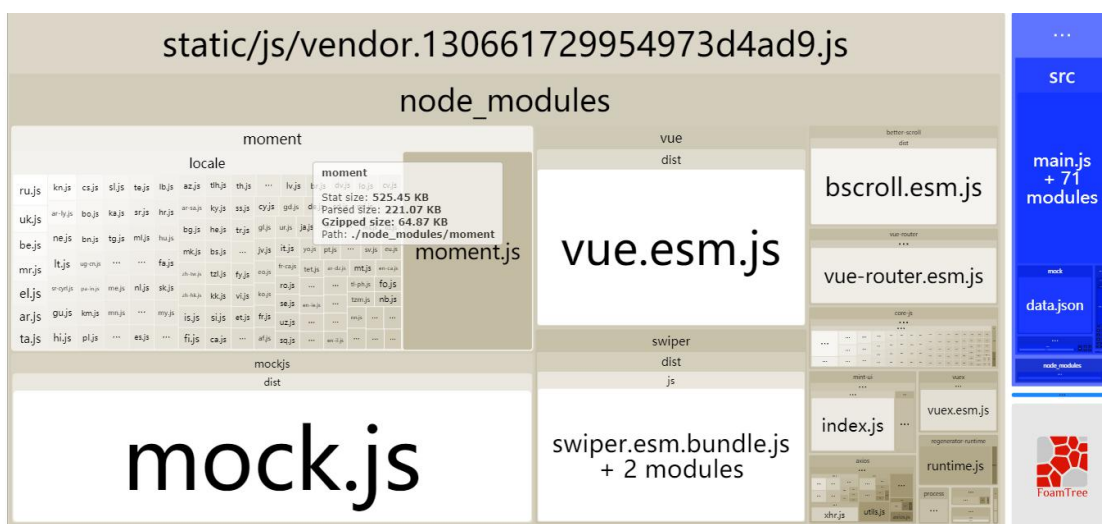
3) 使用

```
import VueLazyload from 'vue-lazyload'
import loading from './common/img/loading.gif'
Vue.use(VueLazyload, {
  loading
})

<img v-lazy="food.image">
```

2.30.4. 打包文件分析与优化

- 1) vue 脚手架提供了一个用于可视化分析打包文件的包 `webpack-bundle-analyzer` 和配置
- 2) 启用打包可视化: `npm run build --report`



- 3) . 优化: 使用 `date-fns` 代替 `moment`

```
// import moment from 'moment'
// import {format} from 'date-fns'
import format from 'date-fns/format'
import Vue from 'vue'

Vue.filter('dateString', function (value, formatStr) {
  // return moment(value).format(format || 'YYYY-MM-DD HH:mm:ss')
  return format(value, formatStr || 'YYYY-MM-DD HH:mm:ss')
})
```

