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

我的
登录/注册
暂无绑定手机号
0.00元
我的余额
0个
我的优惠
0分
我的积分
我的订单
积分商城
硅谷外卖会员卡
服务中心
首页
搜索
订单
我的

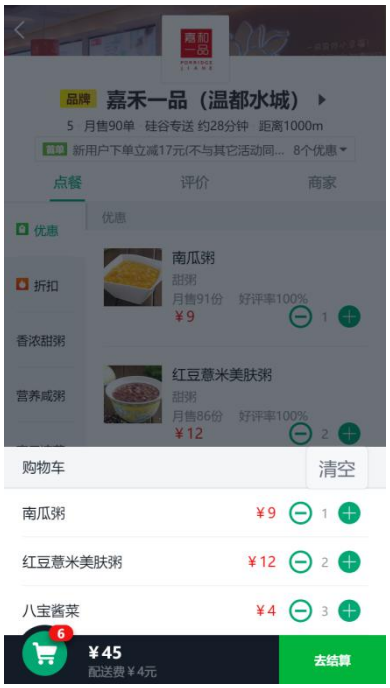
硅谷外卖
短信登录
密码登录
手机/邮箱/用户名
密码
验证码
登录
关于我们

硅谷外卖
短信登录
密码登录
手机号
获取验证码
验证码
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《用户服务协议》
登录
关于我们

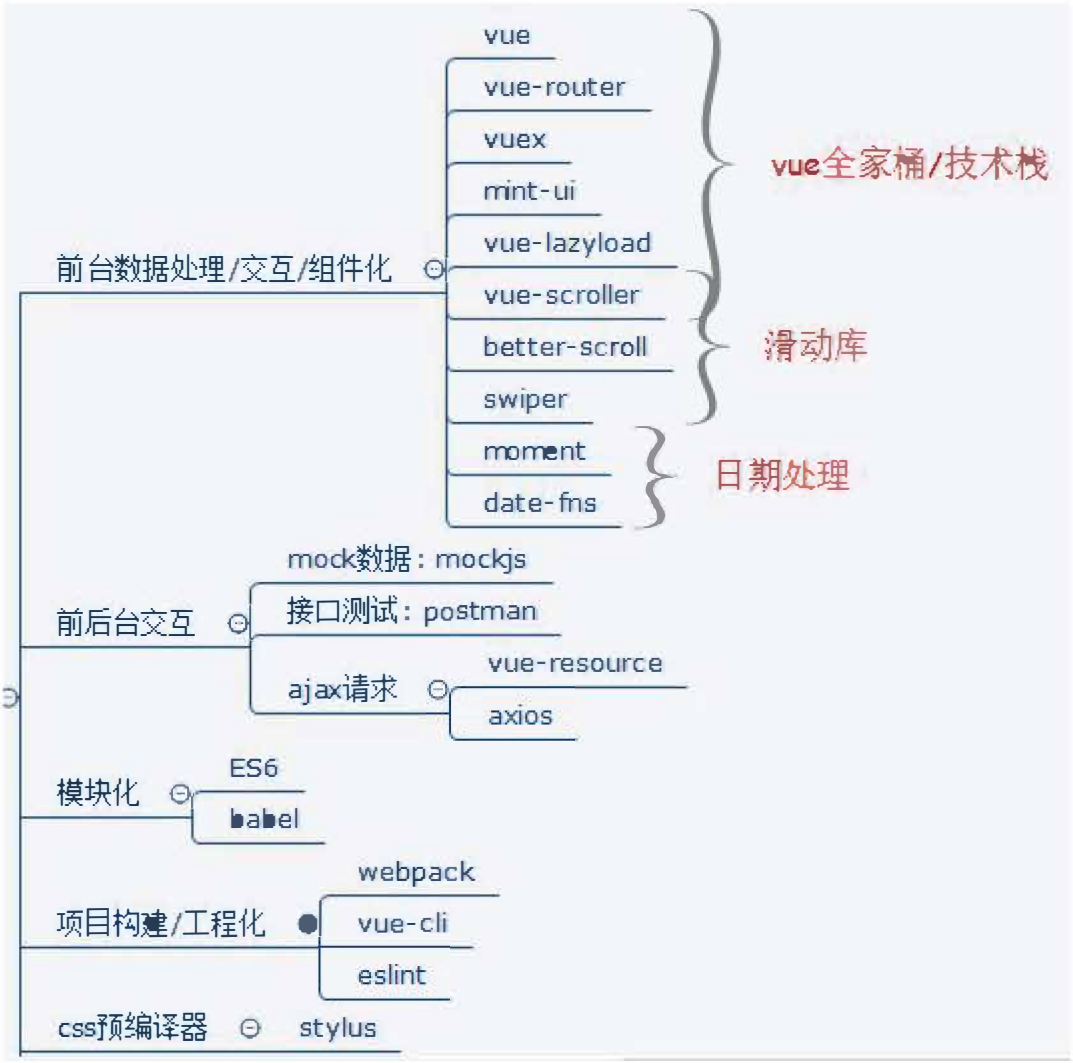
品牌 嘉禾一品（温都水城）
5 月售90单 硅谷专送 约28分钟 距离1000m
新用户下单立减17元(不与其它活动同... 8个优惠
点餐
评价
商家
优惠
折扣
香浓甜粥
营养咸粥
爽口凉菜
精选套餐
果拼果汁
小吃主食
南瓜粥
甜粥
月售91份 好评率100%
¥9
红豆薏米美肤粥
甜粥
月售86份 好评率100%
¥12
八宝酱菜
月售84份 好评率100%
¥4
扁豆焖面
月售188份 好评率96%
¥14
¥0
配送费¥4元
¥20元起送

品牌 嘉禾一品（温都水城）
5 月售90单 硅谷专送 约28分钟 距离1000m
新用户下单立减17元(不与其它活动同... 8个优惠
点餐
评价
商家
3.5
综合评分
高于周边商家69.2%
服务态度 4.1
商品评分 4.3
送达时间 28分钟
全部24
满意18
不满意6
只看有内容的评价
3******c
2016-07-23 21:52:44
30
不错,粥很好喝,我经常吃这一家,非常赞,以后也会常来吃,强烈推荐.
南瓜粥
皮蛋瘦肉粥
扁豆焖面
娃娃菜炖豆腐
牛肉馅饼
2******3
2016-07-23 18:54:24

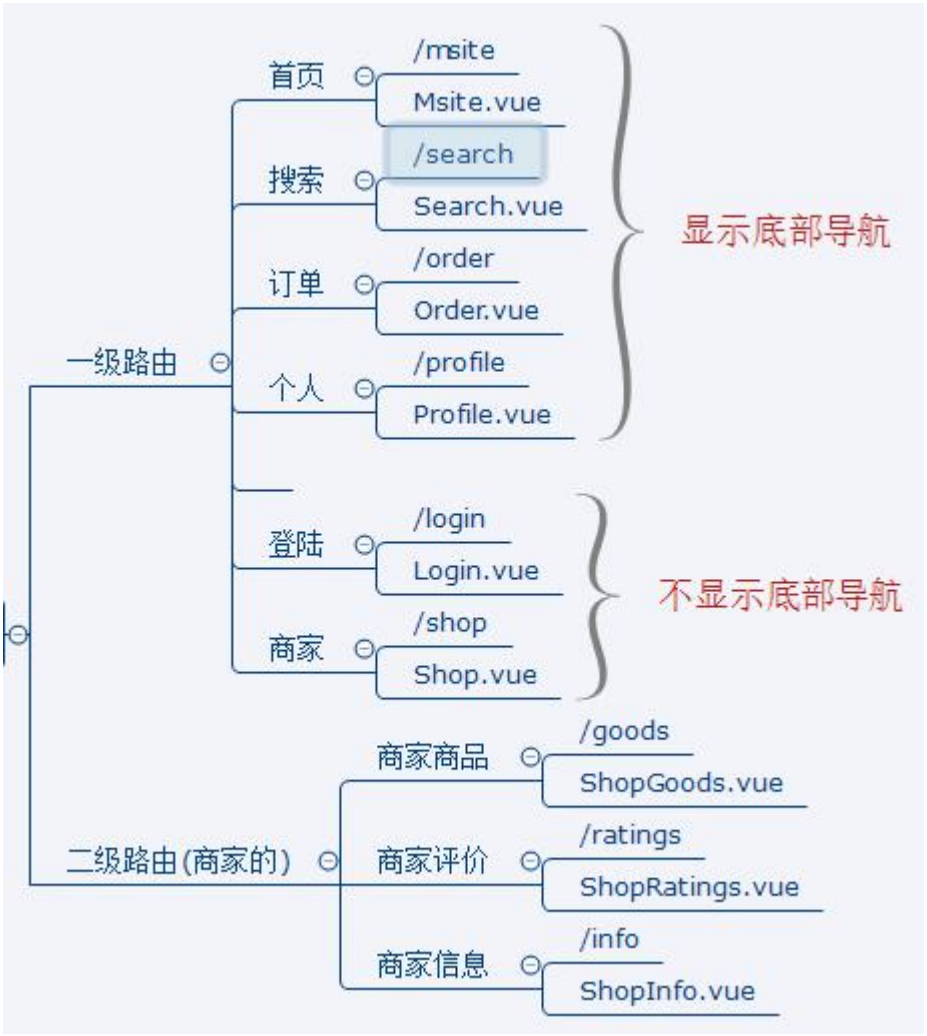
品牌 嘉禾一品（温都水城）
5 月售90单 硅谷专送 约28分钟 距离1000m
新用户下单立减17元(不与其它活动同... 8个优惠
点餐
评价
商家
配送信息
硅谷专送
由商家配送提供配送，约28分钟送达，距离1000m
配送费¥4
活动与服务
首单 新用户下单立减17元(不与其它活动同享)
满减 满35减19，满65减35
特价 【立减19.5元】欢乐小食餐
特价 【立减29元】火烤菠萝皇堡双人餐
特价 【立减16.5元】火烤菠萝皇堡单人餐
特价 【立减15】经典安格斯单人餐
特价 【立减11.95】皇堡双人餐
特价 【立减19.8】半价单人餐


品牌 嘉禾一品（温都水城）
5 月售90单 硅谷专送 约28分钟 距离1000m
新用户下单立减17元(不与其它活动同... 8个优惠
点餐
评价
商家
优惠
优惠
折扣
香浓甜粥
营养咸粥
南瓜粥
甜粥
月售91份 好评率100%
¥9
1
红豆薏米美肤粥
甜粥
月售86份 好评率100%
¥12
2
购物车
清空
南瓜粥 ¥9 1
红豆薏米美肤粥 ¥12 2
八宝酱菜 ¥4 3
6
¥45
配送费¥4元
去结算

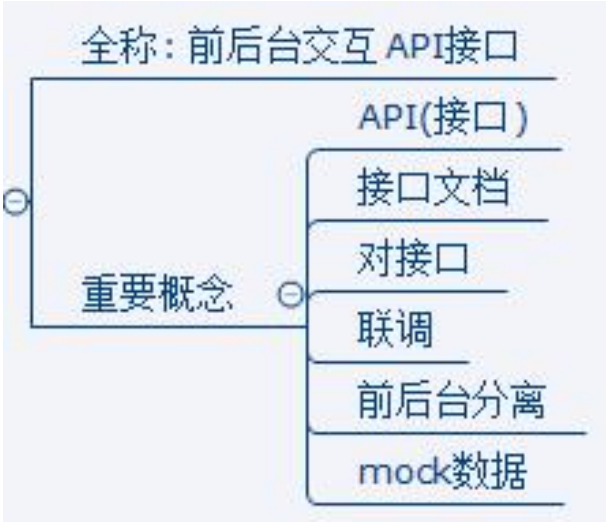
品牌 嘉禾一品（温都水城）
主、辅料:水、大米、南瓜、冰糖等
南瓜粥
月售91份 好评率100%
¥9
1
果拼果汁
小吃主食
扁豆焖面
月售188份 好评率96%
¥14
6
¥45
配送费¥4元
去结算


前台数据处理/交互/组件化
vue
vue-router
vuex
mint-ui
vue-lazyload
vue-scroller
better-scroll
swiper
moment
date-fns
vue全家桶/技术栈
滑动库
日期处理
前后台交互
mock数据：mockjs
接口测试：postman
ajax请求
vue-resource
axios
模块化
ES6
babel
项目构建/工程化
webpack
vue-cli
eslint
css预编译器
stylus

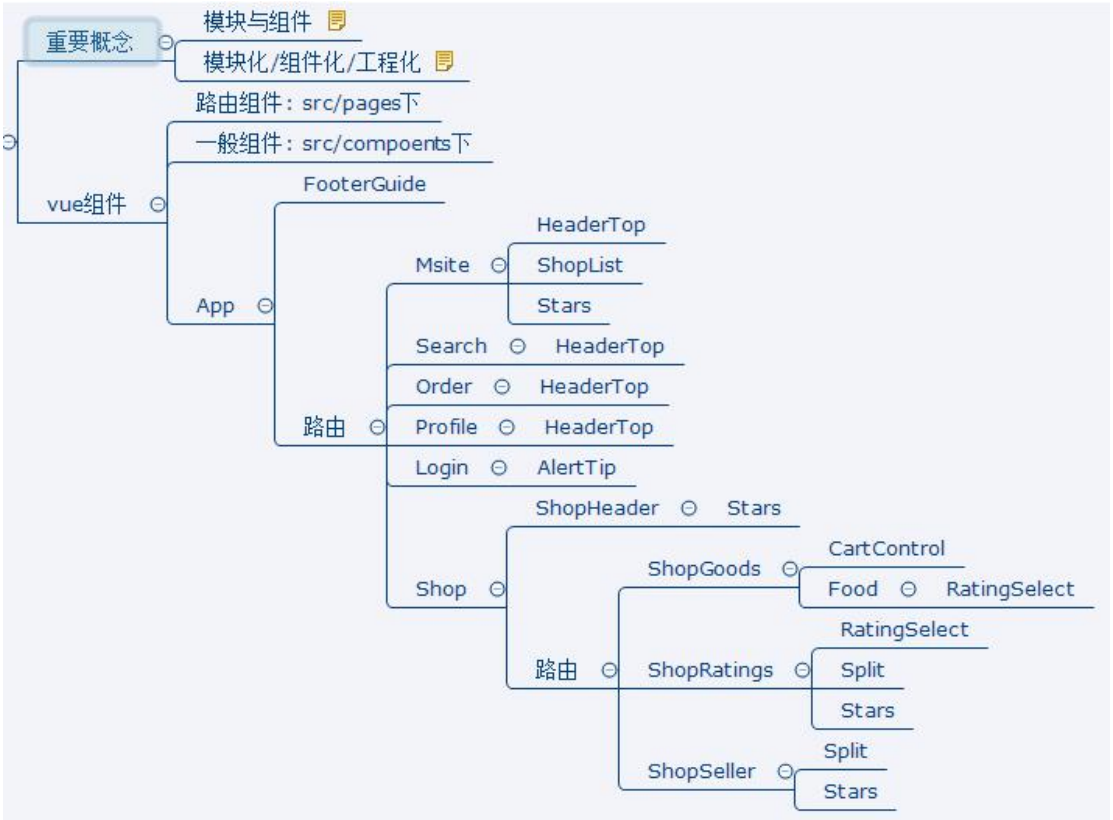
1.4. 前端路由


一级路由
首页
/msite
Msite.vue
搜索
/search
Search.vue
订单
/order
Order.vue
个人
/profile
Profile.vue
显示底部导航
登陆
/login
Login.vue
商家
/shop
Shop.vue
不显示底部导航
二级路由(商家的)
商家商品
/goods
ShopGoods.vue
商家评价
/ratings
ShopRatings.vue
商家信息
/info
ShopInfo.vue

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 实现图片惰加载
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。

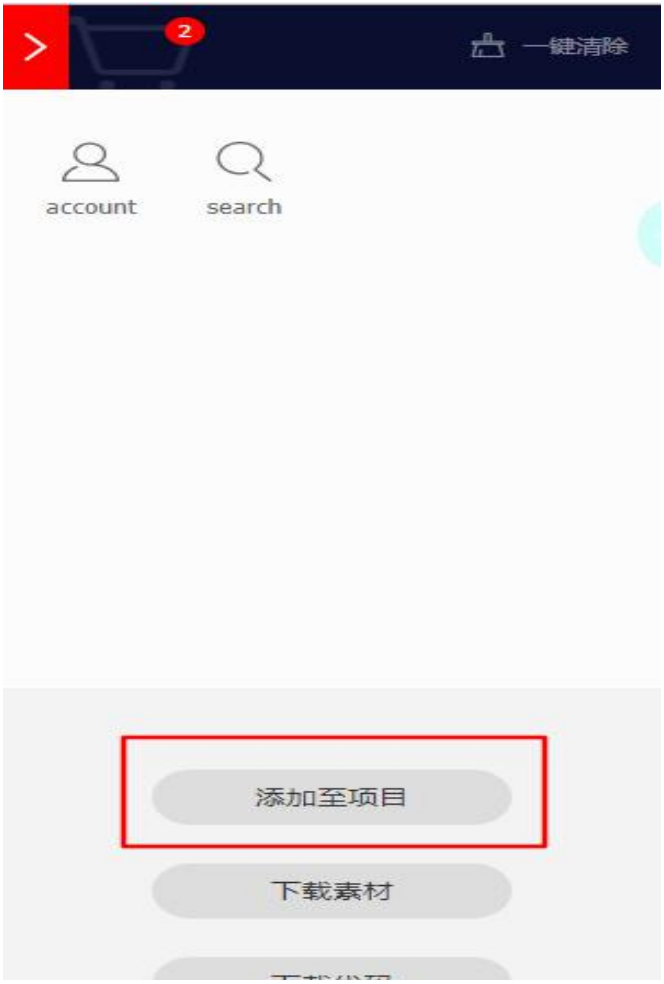
2) iconfont 使用(本地没有 svg)

   a. 我们需要依赖网站制作，

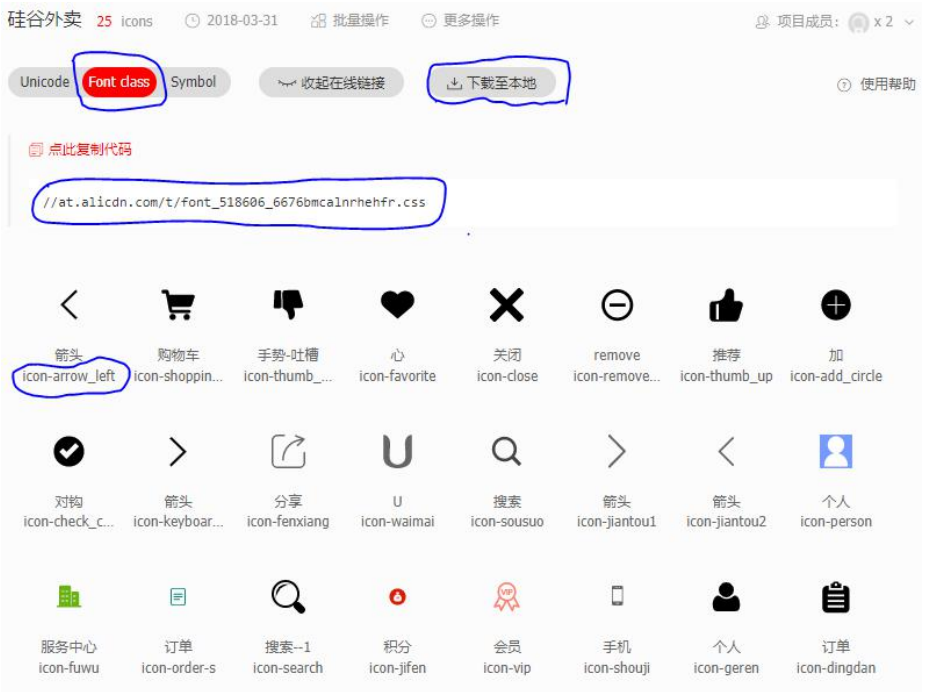
   b. 目前国内用的最多的是阿里巴巴矢量库（http://www.iconfont.cn/）

      1) 注册账户
      2) 把你想要的图标添加入库（购物车）

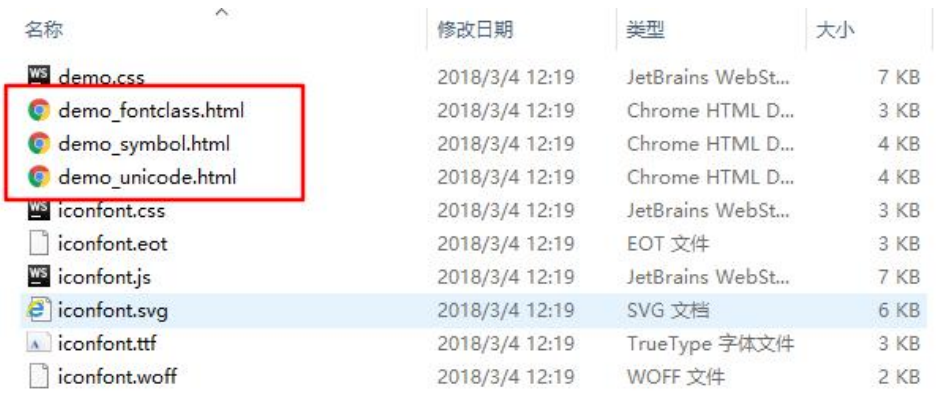
      3) 点击购物车，将你想要的图标添加到项目中


2
一键清除
account
search
添加至项目
下载素材

4) 下载到本地使用


硅谷外卖 25 icons 2018-03-31 批量操作 更多操作 项目成员: x 2
Unicode Font class Symbol 收起在线链接 下载至本地 使用帮助
点此复制代码
//at.alicdn.com/t/font_518606_6676bmcalnrhehfr.css
箭头 icon-arrow_left
购物车 icon-shoppin...
手势-吐槽 icon-thumb_...
心 icon-favorite
关闭 icon-close
remove icon-remove...
推荐 icon-thumb_up
加 icon-add_circle
对钩 icon-check_c...
箭头 icon-keyboar...
分享 icon-fenxiang
U icon-waimai
搜索 icon-sousuo
箭头 icon-jiantou1
箭头 icon-jiantou2
个人 icon-person
服务中心 icon-fuwu
订单 icon-order-s
搜索--1 icon-search
积分 icon-jifen
会员 icon-vip
手机 icon-shouji
个人 icon-geren
订单 icon-dingdan

5) 三种使用方式



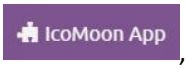
名称	修改日期	类型	大小
demo.css	2018/3/4 12:19	JetBrains WebSt...	7 KB
demo_fontclass.html	2018/3/4 12:19	Chrome HTML D...	3 KB
demo_symbol.html	2018/3/4 12:19	Chrome HTML D...	4 KB
demo_unicode.html	2018/3/4 12:19	Chrome HTML D...	4 KB
iconfont.css	2018/3/4 12:19	JetBrains WebSt...	3 KB
iconfont.eot	2018/3/4 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

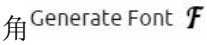
b. 进入 icoMoon 官网: https://icomoon.io/

c. 点击右上角 

，进入处理页面

d. 点击左上角

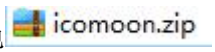
， 选择 resource\SVG*.svg，上传显示到页面

e. 在页面选择所有 svg，点击右下角 

生成图标字体样式

f. 点击左上角

指定 Font-Name 为 sell-icon， 点击右下角

下载到本地 

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_6676bmcalnrhehfr.css">
```

2.4. 项目源码目录设计

2.5. Stylus

2.5.1. 当前主流的三种 css 预编译器(对比)

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

a. 定义变量: name=value 如: mainColor = #0982c1

b. 引用变量: name 如: color mainColor

c. 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)

a. 也就是预处器中的函数

b. 函数参数可以指定默认值

c. 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）。

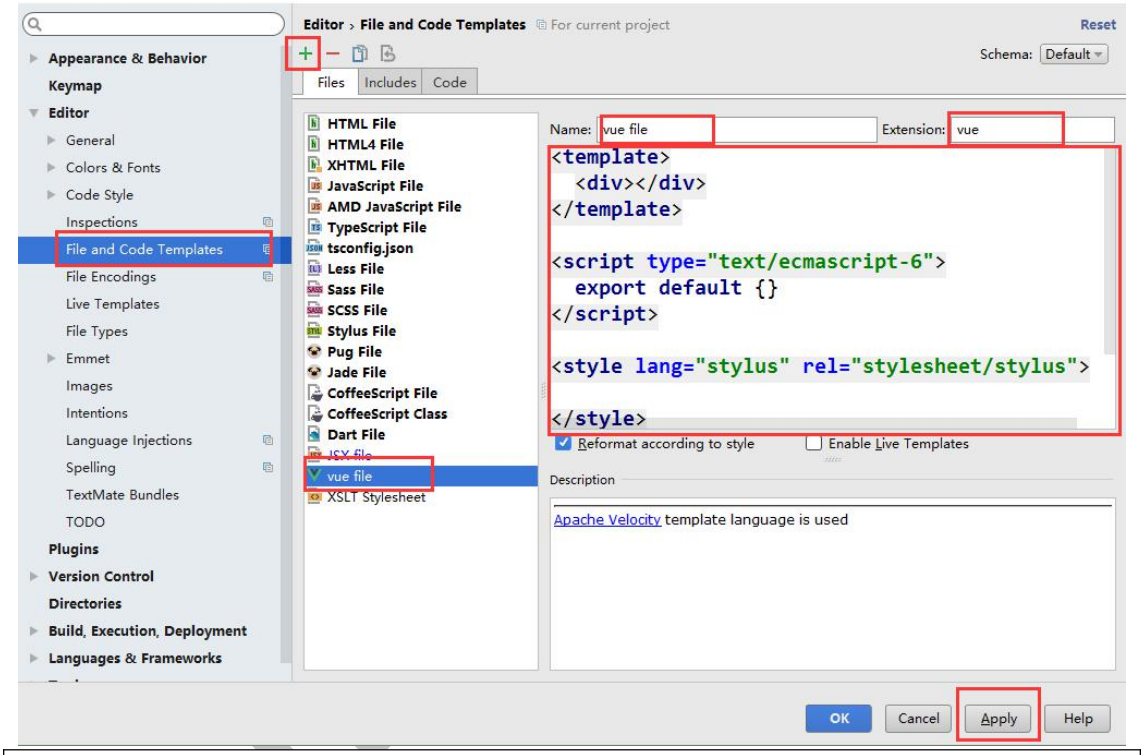
2.6.5. 相关配置文件

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;
}
```

```css
::-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

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

2.8. 引入 vue-router

2.8.1. 下载 vue-router

```
npm install vue-router --save
```

2.8.2. 编码

1) router/index.js

```
/*
```

```
路由器模块
 */
import Vue from 'vue'
import VueRouter from 'vue-router'

import Msite from '../pages/Msite/Msite.vue'
import Search from '../pages/Search/Search.vue'
import Order from '../pages/Order/Order.vue'
import Profile from '../pages/Profile/Profile.vue'

Vue.use(VueRouter)

export default new VueRouter({
  routes: [
    {
      path: '/',
      redirect: '/msite'
    },
    {
      path: '/msite',
      component: Msite,
    },
    {
      path: '/search',
      component: Search,
    },
    {
      path: '/order',
      component: Order,
    },
    {
      path: '/profile',
      component: Profile,
    }
  ]
})
```

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) 通过编程式导航实现路由的切换显示($router)

2) 通过动态 class 和$route.path 来实现 tab 样式切换

3) 通过阿里图标库，显示导航图标

2.9.2. 编码

1) 静态页面

```
<footer class="footer_guide border-1px">
  <a href="javascript:;" class="guide_item on">
    <span class="item_icon">
      <i class="iconfont icon-waimai"></i>
    </span>
    <span>外卖</span>
```

```
  </a>
  <a href="javascript:;" class="guide_item">
    <span class="item_icon">
      <i class="iconfont icon-search"></i>
    </span>
    <span>搜索</span>
  </a>
  <a href="javascript:;" class="guide_item">
    <span class="item_icon">
      <i class="iconfont icon-dingdan"></i>
    </span>
    <span>订单</span>
  </a>
  <a href="javascript:;" class="guide_item">
    <span class="item_icon">
      <i class="iconfont icon-geren"></i>
    </span>
    <span>我的</span>
  </a>
</footer>
```

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>
```

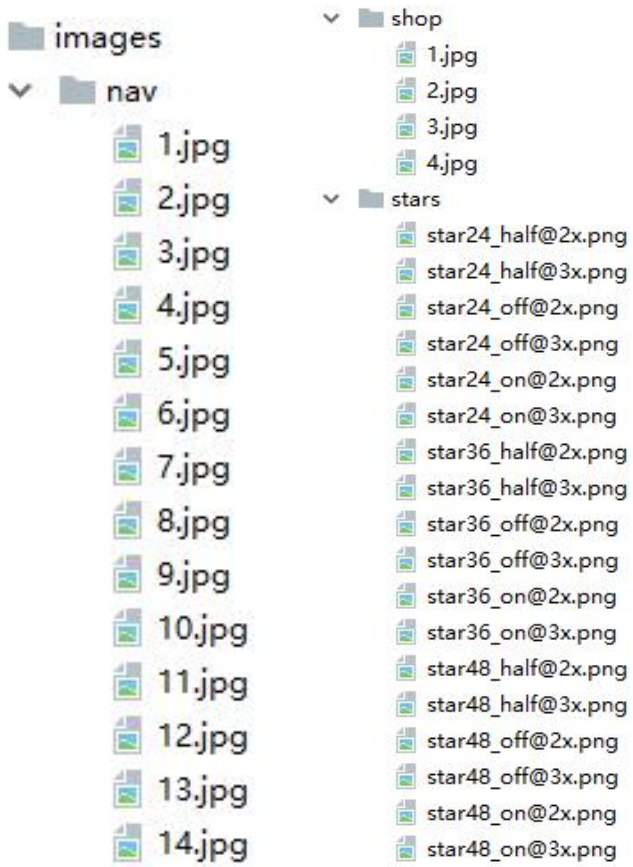
4) script

```
<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">
              <img src="./images/nav/1.jpg">
            </div>
            <span>甜品饮品</span>
          </a>
          <a href="javascript:" class="link_to_food">
            <div class="food_container">
              <img src="./images/nav/2.jpg">
            </div>
            <span>商超便利</span>
          </a>
          <a href="javascript:" class="link_to_food">
            <div class="food_container">
              <img src="./images/nav/3.jpg">
            </div>
            <span>美食</span>
          </a>
          <a href="javascript:" class="link_to_food">
            <div class="food_container">
              <img src="./images/nav/4.jpg">
            </div>
            <span>简餐</span>
          </a>
          <a href="javascript:" class="link_to_food">
            <div class="food_container">
              <img src="./images/nav/5.jpg">
            </div>
            <span>新店特惠</span>
          </a>
          <a href="javascript:" class="link_to_food">
            <div class="food_container">
              <img src="./images/nav/6.jpg">
            </div>
            <span>准时达</span>
          </a>
          <a href="javascript:" class="link_to_food">
            <div class="food_container">
              <img src="./images/nav/7.jpg">
            </div>
            <span>预订早餐</span>
```

```
        </a>
        <a href="javascript:" class="link_to_food">
          <div class="food_container">
            <img src="./images/nav/8.jpg">
          </div>
          <span>土豪推荐</span>
        </a>
      </div>
      <div class="swiper-slide">
        <a href="javascript:" class="link_to_food">
          <div class="food_container">
            <img src="./images/nav/9.jpg">
          </div>
          <span>甜品饮品</span>
        </a>
        <a href="javascript:" class="link_to_food">
          <div class="food_container">
            <img src="./images/nav/10.jpg">
          </div>
          <span>商超便利</span>
        </a>
        <a href="javascript:" class="link_to_food">
          <div class="food_container">
            <img src="./images/nav/11.jpg">
          </div>
          <span>美食</span>
        </a>
        <a href="javascript:" class="link_to_food">
          <div class="food_container">
            <img src="./images/nav/12.jpg">
          </div>
          <span>简餐</span>
        </a>
        <a href="javascript:" class="link_to_food">
          <div class="food_container">
            <img src="./images/nav/13.jpg">
          </div>
          <span>新店特惠</span>
        </a>
        <a href="javascript:" class="link_to_food">
          <div class="food_container">
            <img src="./images/nav/14.jpg">
```

```
            </div>
            <span>准时达</span>
          </a>
          <a href="javascript:" class="link_to_food">
            <div class="food_container">
              <img src="./images/nav/1.jpg">
            </div>
            <span>预订早餐</span>
          </a>
          <a href="javascript:" class="link_to_food">
            <div class="food_container">
              <img src="./images/nav/2.jpg">
            </div>
            <span>土豪推荐</span>
          </a>
        </div>
      </div>
      <!-- Add Pagination -->
      <div class="swiper-pagination"></div>
    </div>
  </nav>
  <!--首页附近商家-->
  <div class="msite_shop_list border-1px">
    <div class="shop_header">
      <i class="iconfont icon-xuanxiang"></i>
      <span class="shop_header_title">附近商家</span>
    </div>
    <div class="shop_container">
      <ul class="shop_list">
        <li class="shop_li border-1px">
          <a>
            <div class="shop_left">
              <img class="shop_img" src="./images/shop/1.jpg">
            </div>
            <div class="shop_right">
              <section class="shop_detail_header">
                <h4 class="shop_title" >锄禾日当午，汗滴禾下土</h4>
                <ul class="shop_detail_ul">
                  <li class="supports">保</li>
                  <li class="supports">准</li>
                  <li class="supports">票</li>
                </ul>
```

```
                </section>
                <section class="shop_rating_order">
                  <section class="shop_rating_order_left">
                    <div class="star star-24">
                      <span class="star-item on"></span>
                      <span class="star-item on"></span>
                      <span class="star-item on"></span>
                      <span class="star-item half"></span>
                      <span class="star-item off"></span>
                    </div>
                    <div class="rating_section">
                      3.6
                    </div>
                    <div class="order_section">
                      月售 106 单
                    </div>
                  </section>
                  <section class="shop_rating_order_right">
                    <span class="delivery_style delivery_left">硅谷专送
</span>
                    <span class="delivery_style delivery_right">准时达
</span>
                  </section>
                </section>
                <section class="shop_distance">
                  <p class="shop_delivery_msg">
                    <span>¥20 起送</span>
                    <span class="segmentation">/</span>
                    <span>配送费约¥5</span>
                  </p>
                </section>
              </div>
            </a>
          </li>
          <li class="shop_li border-1px">
            <a>
              <div class="shop_left">
                <img class="shop_img" src="./images/shop/2.jpg">
              </div>
              <div class="shop_right">
                <section class="shop_detail_header">
                  <h4 class="shop_title ellipsis" >锄禾日当午,汗滴禾下土</h4>
```

```
                <ul class="shop_detail_ul">
                  <li class="supports">保</li>
                  <li class="supports">准</li>
                  <li class="supports">票</li>
                </ul>
              </section>
              <section class="shop_rating_order">
                <section class="shop_rating_order_left">
                  <div class="star star-24">
                    <span class="star-item on"></span>
                    <span class="star-item on"></span>
                    <span class="star-item on"></span>
                    <span class="star-item on"></span>
                    <span class="star-item off"></span>
                  </div>
                  <div class="rating_section">
                    4.1
                  </div>
                  <div class="order_section">
                    月售 106 单
                  </div>
                </section>
                <section class="shop_rating_order_right">
                  <span class="delivery_style delivery_left">硅谷专送
</span>
                  <span class="delivery_style delivery_right">准时达
</span>
                </section>
              </section>
              <section class="shop_distance">
                <p class="shop_delivery_msg">
                  <span>¥20 起送</span>
                  <span class="segmentation">/</span>
                  <span>配送费约¥5</span>
                </p>
              </section>
            </div>
          </a>
        </li>
        <li class="shop_li border-1px">
          <a>
            <div class="shop_left">
```

```
            <img class="shop_img" src="./images/shop/3.jpg">
          </div>
          <div class="shop_right">
            <section class="shop_detail_header">
              <h4 class="shop_title ellipsis" >锄禾日当午,汗滴禾下土</h4>
              <ul class="shop_detail_ul">
                <li class="supports">保</li>
                <li class="supports">准</li>
                <li class="supports">票</li>
              </ul>
            </section>
            <section class="shop_rating_order">
              <section class="shop_rating_order_left">
                <div class="star star-24">
                  <span class="star-item on"></span>
                  <span class="star-item on"></span>
                  <span class="star-item on"></span>
                  <span class="star-item off"></span>
                  <span class="star-item off"></span>
                </div>
                <div class="rating_section">
                  3.2
                </div>
                <div class="order_section">
                  月售 106 单
                </div>
              </section>
              <section class="shop_rating_order_right">
                <span class="delivery_style delivery_left">硅谷专送
</span>
                <span class="delivery_style delivery_right">准时达
</span>
              </section>
            </section>
            <section class="shop_distance">
              <p class="shop_delivery_msg">
                <span>¥20 起送</span>
                <span class="segmentation">/</span>
                <span>配送费约¥5</span>
              </p>
            </section>
          </div>
```

```
            </a>
          </li>
          <li class="shop_li border-1px">
            <a>
              <div class="shop_left">
                <img class="shop_img" src="./images/shop/4.jpg">
              </div>
              <div class="shop_right">
                <section class="shop_detail_header">
                  <h4 class="shop_title ellipsis" >锄禾日当午,汗滴禾下土</h4>
                  <ul class="shop_detail_ul">
                    <li class="supports">保</li>
                    <li class="supports">准</li>
                    <li class="supports">票</li>
                  </ul>
                </section>
                <section class="shop_rating_order">
                  <section class="shop_rating_order_left">
                    <div class="star star-24">
                      <span class="star-item on"></span>
                      <span class="star-item on"></span>
                      <span class="star-item on"></span>
                      <span class="star-item half"></span>
                      <span class="star-item off"></span>
                    </div>
                    <div class="rating_section">
                      3.6
                    </div>
                    <div class="order_section">
                      月售 106 单
                    </div>
                  </section>
                  <section class="shop_rating_order_right">
                    <span class="delivery_style delivery_left">硅谷专送
</span>
                    <span class="delivery_style delivery_right">准时达
</span>
                  </section>
                </section>
                <section class="shop_distance">
                  <p class="shop_delivery_msg">
                    <span>¥20 起送</span>
```

```
                    <span class="segmentation">/</span>
                    <span>配送费约¥5</span>
                  </p>
                </section>
              </div>
            </a>
          </li>
        </ul>
      </div>
    </div>
  </div>
</template>

<script>
  export default {

  }
</script>

<style lang="stylus" rel="stylesheet/stylus">
  @import "../../common/stylus/mixins.styl"
  .msite
    width 100%
    .header
      background-color #02a774
      position fixed
      z-index 100
      left 0
      top 0
      width 100%
      height 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
  .msite_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">
      <img src="./images/person.png">
      <h3>登录后查看外卖订单</h3>
      <button>立即登陆</button>
    </section>
  </section>
</template>

<script>
  export default {}
</script>

<style lang="stylus" rel="stylesheet/stylus">
  .order  //订单
    .header
      background-color #02a774
      position fixed
      z-index 100
      left 0
      top 0
      width 100%
      height 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>
```

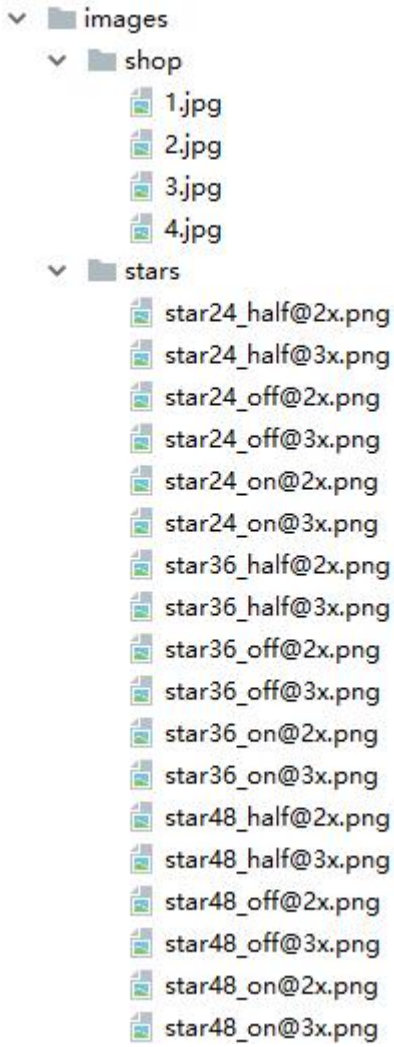
2.11.6. Msite.vue

```
<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">
          <img class="shop_img" src="./images/shop/1.jpg">
        </div>
        <div class="shop_right">
          <section class="shop_detail_header">
            <h4 class="shop_title" >锄禾日当午，汗滴禾下土</h4>
            <ul class="shop_detail_ul">
              <li class="supports">保</li>
              <li class="supports">准</li>
              <li class="supports">票</li>
            </ul>
          </section>
          <section class="shop_rating_order">
            <section class="shop_rating_order_left">
              <div class="star star-24">
                <span class="star-item on"></span>
                <span class="star-item on"></span>
                <span class="star-item on"></span>
                <span class="star-item half"></span>
                <span class="star-item off"></span>
              </div>
              <div class="rating_section">
                3.6
              </div>
              <div class="order_section">
                月售 106 单
              </div>
            </section>
            <section class="shop_rating_order_right">
              <span class="delivery_style delivery_left">硅谷专送</span>
              <span class="delivery_style delivery_right">准时达</span>
            </section>
          </section>
          <section class="shop_distance">
            <p class="shop_delivery_msg">
              <span>¥20 起送</span>
              <span class="segmentation">/</span>
              <span>配送费约¥5</span>
            </p>
          </section>
        </div>
      </a>
```

```
      </li>
      <li class="shop_li border-1px">
        <a>
          <div class="shop_left">
            <img class="shop_img" src="./images/shop/2.jpg">
          </div>
          <div class="shop_right">
            <section class="shop_detail_header">
              <h4 class="shop_title ellipsis" >锄禾日当午，汗滴禾下土</h4>
              <ul class="shop_detail_ul">
                <li class="supports">保</li>
                <li class="supports">准</li>
                <li class="supports">票</li>
              </ul>
            </section>
            <section class="shop_rating_order">
              <section class="shop_rating_order_left">
                <div class="star star-24">
                  <span class="star-item on"></span>
                  <span class="star-item on"></span>
                  <span class="star-item on"></span>
                  <span class="star-item on"></span>
                  <span class="star-item off"></span>
                </div>
                <div class="rating_section">
                  4.1
                </div>
                <div class="order_section">
                  月售 106 单
                </div>
              </section>
              <section class="shop_rating_order_right">
                <span class="delivery_style delivery_left">硅谷专送</span>
                <span class="delivery_style delivery_right">准时达</span>
              </section>
            </section>
            <section class="shop_distance">
              <p class="shop_delivery_msg">
                <span>¥20 起送</span>
                <span class="segmentation">/</span>
                <span>配送费约¥5</span>
              </p>
```

```
          </section>
        </div>
      </a>
    </li>
    <li class="shop_li border-1px">
      <a>
        <div class="shop_left">
          <img class="shop_img" src="./images/shop/3.jpg">
        </div>
        <div class="shop_right">
          <section class="shop_detail_header">
            <h4 class="shop_title ellipsis" >锄禾日当午，汗滴禾下土</h4>
            <ul class="shop_detail_ul">
              <li class="supports">保</li>
              <li class="supports">准</li>
              <li class="supports">票</li>
            </ul>
          </section>
          <section class="shop_rating_order">
            <section class="shop_rating_order_left">
              <div class="star star-24">
                <span class="star-item on"></span>
                <span class="star-item on"></span>
                <span class="star-item on"></span>
                <span class="star-item off"></span>
                <span class="star-item off"></span>
              </div>
              <div class="rating_section">
                3.2
              </div>
              <div class="order_section">
                月售 106 单
              </div>
            </section>
            <section class="shop_rating_order_right">
              <span class="delivery_style delivery_left">硅谷专送</span>
              <span class="delivery_style delivery_right">准时达</span>
            </section>
          </section>
          <section class="shop_distance">
            <p class="shop_delivery_msg">
              <span>¥20 起送</span>
```

```
            <span class="segmentation">/</span>
            <span>配送费约¥5</span>
          </p>
        </section>
      </div>
    </a>
  </li>
  <li class="shop_li border-1px">
    <a>
      <div class="shop_left">
        <img class="shop_img" src="./images/shop/4.jpg">
      </div>
      <div class="shop_right">
        <section class="shop_detail_header">
          <h4 class="shop_title ellipsis" >锄禾日当午，汗滴禾下土</h4>
          <ul class="shop_detail_ul">
            <li class="supports">保</li>
            <li class="supports">准</li>
            <li class="supports">票</li>
          </ul>
        </section>
        <section class="shop_rating_order">
          <section class="shop_rating_order_left">
            <div class="star star-24">
              <span class="star-item on"></span>
              <span class="star-item on"></span>
              <span class="star-item on"></span>
              <span class="star-item half"></span>
              <span class="star-item off"></span>
            </div>
            <div class="rating_section">
              3.6
            </div>
            <div class="order_section">
              月售 106 单
            </div>
          </section>
          <section class="shop_rating_order_right">
            <span class="delivery_style delivery_left">硅谷专送</span>
            <span class="delivery_style delivery_right">准时达</span>
          </section>
        </section>
```

```
            <section class="shop_distance">
              <p class="shop_delivery_msg">
                <span>¥20 起送</span>
                <span class="segmentation">/</span>
                <span>配送费约¥5</span>
              </p>
            </section>
          </div>
        </a>
      </li>
    </ul>
  </div>
</template>

<script>
  export default {

  }
</script>

<style lang="stylus" rel="stylesheet/stylus">
  @import "../../common/stylus/mixins.styl"
  .shop_container
    margin-bottom 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">
              <img class="get_verification" src="./images/captcha.svg" alt="captcha">
            </section>
          </section>
        </div>
        <button class="login_submit">登录</button>
      </form>
      <a href="javascript:;" class="about_us">关于我们</a>
    </div>
    <span href="javascript:" class="go_back" @click="$router.back()">
      <i class="iconfont icon-jiantou2"></i>
```

```
      </span>
    </div>
  </div>
</template>

<script>
  export default {

  }
</script>

<style lang="stylus" rel="stylesheet/stylus" scoped>
  @import "../../common/stylus/mixins.styl"
  .loginContainer
    width 100%
    height 100%
    background #fff
    .loginInner
      padding-top 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 mongodb 服务

2) 启动服务器应用: npm start

2.14.3. API 接口文档

```
# 接口文档

## 目录：
[1、根据经纬度获取位置详情](#1 根据经纬度获取位置详情)<br/>
[2、获取食品分类列表](#2 获取食品分类列表)<br/>
[3、根据经纬度获取商铺列表](#3 根据经纬度获取商铺列表)<br/>
[4、根据经纬度和关键字搜索商铺列表](#4 根据经纬度和关键字搜索商铺列表)<br/>
[5、获取一次性验证码](#5 获取一次性验证码)<br/>
[6、用户名密码登陆](#6 用户名密码登陆)<br/>
[7、发送短信验证码](#7 发送短信验证码)<br/>
[8、手机号验证码登陆](#8 手机号验证码登陆)<br/>
[9、根据会话获取用户信息](#9 根据会话获取用户信息)<br/>
[10、用户登出](#10 用户登出)<br/>

## 1、根据经纬度获取位置详情

### 请求 URL：
        http://localhost:3000/position/:geohash

### 示例：
[http://localhost:3000/position/40.10038,116.36867](http://localhost:3000/position/40.10038,116.36867)

### 请求方式：
        GET

### 参数类型：param

        |参数                |是否必选 |类型           |说明
        |geohash       |Y          |string     |经纬度

### 返回示例：

        {
            "code": 0,
            "data": {
                "address": "北京市昌平区 337 省道",
                "city": "北京市",
                "geohash": "40.10038,116.36867",
```

```
                "latitude": "40.10038",
                "longitude": "116.36867",
                "name": "昌平区北七家宏福科技园(337 省道北)"
            }
        }

## 2、获取食品分类列表

### 请求 URL:
        http://localhost:3000/index_category

### 请求方式:
        GET

### 参数类型:
        无

### 返回示例:
        {
            "code": 0,
            data: [
                                {
                                    id: 1,
                                    is_in_serving: true,
                                    description: "0 元早餐 0 起送，每天都有新花样。",
                                    title: "预订早餐",
                                    link: "",
                                    image_url: "/d/49/7757ff22e8ab28e7dfa5f7e2c2692jpeg.jpeg",
                                    icon_url: "",
                                    title_color: "",
                                    __v: 0
                                },
                                {
                                    id: 65,
                                    is_in_serving: true,
                                    description: "",
                                    title: "土豪推荐",
                                    image_url: "/d/49/7757ff22e8ab28e7dfa5f7e2c2692jpeg.jpeg",
                                    link: "",
                                    icon_url: "",
                                    title_color: "",
                                    __v: 0
```

```
                        },
                        ... 共 n 条数据
                    ]
        }


## 3、根据经纬度获取商铺列表

### 请求 URL：
        http://localhost:3000/shops

### 示例：
[http://localhost:3000/shops?latitude=40.10038&longitude=116.36867](http://localhost:3000/shops?latitude=40.10038&longitude=116.36867)

### 请求方式：
        GET

### 参数类型：query
        |参数                    |是否必选    |类型          |说明|
        |latitude          |Y            |string      |纬度|
        |longitude       |Y          |string        |经度|

### 返回示例：
        {
            "code": 0,
            data: [
                        {
                            name: "肯德基",
                            address:"上海市宝山区淞宝路 155 弄 18 号星月国际商务广场 1 层",
                            id: 1,
                            latitude: 31.38098,
                            longitude: 121.50146,
                            location: [
                                121.50146,
                                31.38098
                            ],
                            phone: "1232313124324",
                            category: "快餐便当/简餐",
                            supports: [
                                {
                                    description: "已加入“外卖保”计划，食品安全有保障",
```

```
            icon_color: "999999",
            icon_name: "保",
            id: 7,
            name: "外卖保",
            _id: "591bec73c2bbc84a6328a1e5"
        }
    ],
    status: 0,
    recent_order_num: 615,
    rating_count: 389,
    rating: 1.6,
    promotion_info: "他依然有人有人有人有人有人",
    piecewise_agent_fee: {
        tips: "配送费约¥5"
    },
    opening_hours: [
        "8:30/20:30"
    ],
    license: {
        catering_service_license_image: "",
        business_license_image: ""
    },
    is_new: true,
    is_premium: true,
    image_path: "/img/shop/15c1513a00615.jpg",
    identification: {
        registered_number: "",
        registered_address: "",
        operation_period: "",
        licenses_scope: "",
        licenses_number: "",
        licenses_date: "",
        legal_person: "",
        identificate_date: null,
        identificate_agency: "",
        company_name: ""
    },
    float_minimum_order_amount: 20,
    float_delivery_fee: 5,
    distance: "19.5 公里",
    order_lead_time: "40 分钟",
    description: "好吃的",
```

```
                                delivery_mode: {
                                    color: "57A9FF",
                                    id: 1,
                                    is_solid: true,
                                    text: "蜂鸟专送"
                                },
                                activities: [
                                    {
                                        icon_name: "减",
                                        name: "满减优惠",
                                        description: "满 30 减 5，满 60 减 8",
                                        icon_color: "f07373",
                                        id: 1,
                                        _id: "591bec73c2bbc84a6328a1e7"
                                    }
                                ],
                            }
                        ]
        }


## 4、根据经纬度和关键字搜索商铺列表

### 请求 URL：
        http://localhost:3000/search_shops
        例子: http://localhost:3000/search_shops?keyword=test&geohash=40.10038,116.36867

### 请求方式：
        GET

### 参数类型：query
        |参数                    |是否必选    |类型          |说明|
        |geohash          |Y          |string       |经纬度
        |keyword          |Y          |string        |关键字

### 返回示例：
        {
            "code": 0,
            "data": [
                {
                    "name": "test_shop",
                    "address": "广东省广州市海珠区马涌直街 20 号",
```

```
"id": 1196,
"latitude": 23.09499,
"longitude": 113.26166,
"location": [
    113.26166,
    23.09499
],
"phone": "18320326523",
"category": "鲜花蛋糕/面包",
"supports": [
    {
        "description": "准时必达，超时秒赔",
        "icon_color": "57A9FF",
        "icon_name": "准",
        "id": 9,
        "name": "准时达",
        "_id": "5ad00b4febf543051ea2e5f6"
    },
    {
        "description": "该商家支持开发票，请在下单时填写好发票抬头",
        "icon_color": "999999",
        "icon_name": "票",
        "id": 4,
        "name": "开发票",
        "_id": "5ad00b4febf543051ea2e5f5"
    }
],
"status": 1,
"recent_order_num": 444,
"rating_count": 246,
"rating": 4,
"promotion_info": "便靓正",
"piecewise_agent_fee": {
    "tips": "配送费约¥5"
},
"opening_hours": [
    "09:00/21:30"
],
"license": {
    "catering_service_license_image": "162bcabb96f9264.jpg",
    "business_license_image": "162bcabb9869263.jpg"
},
```

```
        "is_new": true,
        "is_premium": true,
        "image_path": "162bcab6f889262.jpg",
        "identification": {
            "registered_number": "",
            "registered_address": "",
            "operation_period": "",
            "licenses_scope": "",
            "licenses_number": "",
            "licenses_date": "",
            "legal_person": "",
            "identificate_date": null,
            "identificate_agency": "",
            "company_name": ""
        },
        "float_minimum_order_amount": 20,
        "float_delivery_fee": 5,
        "distance": "2124.6 公里",
        "order_lead_time": "31 小时 27 分钟",
        "description": "普通商店",
        "delivery_mode": {
            "color": "57A9FF",
            "id": 1,
            "is_solid": true,
            "text": "蜂鸟专送"
        },
        "activities": [
            {
                "icon_name": "减",
                "name": "满减优惠",
                "description": "参加活动满减优惠",
                "icon_color": "f07373",
                "id": 1,
                "_id": "5ad00b4febf543051ea2e5f7"
            }
        ],
        "__v": 0
    },
    {
        "name": "test",
        "address": "浙江省杭州市余杭区高教路阿里巴巴西溪园区 2 号楼",
        "id": 1271,
```

```
"latitude": 30.27817,
"longitude": 120.022003,
"location": [
    120.022003,
    30.27817
],
"phone": "111",
"category": "快餐便当/简餐",
"supports": [
    {
        "description": "已加入“外卖保”计划，食品安全有保障",
        "icon_color": "999999",
        "icon_name": "保",
        "id": 7,
        "name": "外卖保",
        "_id": "5ad7101aebf543051ea30192"
    },
    {
        "description": "准时必达，超时秒赔",
        "icon_color": "57A9FF",
        "icon_name": "准",
        "id": 9,
        "name": "准时达",
        "_id": "5ad7101aebf543051ea30191"
    },
    {
        "description": "该商家支持开发票，请在下单时填写好发票抬头",
        "icon_color": "999999",
        "icon_name": "票",
        "id": 4,
        "name": "开发票",
        "_id": "5ad7101aebf543051ea30190"
    }
],
"status": 1,
"recent_order_num": 820,
"rating_count": 305,
"rating": 4.2,
"promotion_info": "111",
"piecewise_agent_fee": {
    "tips": "配送费约¥5"
},
```

```
                    "opening_hours": [
                        "05:30/05:45"
                    ],
                    "license": {
                        "catering_service_license_image": "162d816cf909817.png",
                        "business_license_image": "162d816c82e9816.png"
                    },
                    "is_new": true,
                    "is_premium": true,
                    "image_path": "162d81696a79815.png",
                    "identification": {
                        "registered_number": "",
                        "registered_address": "",
                        "operation_period": "",
                        "licenses_scope": "",
                        "licenses_number": "",
                        "licenses_date": "",
                        "legal_person": "",
                        "identificate_date": null,
                        "identificate_agency": "",
                        "company_name": ""
                    },
                    "float_minimum_order_amount": 20,
                    "float_delivery_fee": 5,
                    "distance": "1265.1 公里",
                    "order_lead_time": "18 小时 13 分钟",
                    "description": "111",
                    "delivery_mode": {
                        "color": "57A9FF",
                        "id": 1,
                        "is_solid": true,
                        "text": "蜂鸟专送"
                    },
                    "activities": [],
                    "__v": 0
                }
            ]
        }
```


5、获取一次性验证码

请求 URL：

http://localhost:3000/captcha

请求方式：

GET

返回示例：

<svg xmlns="http://www.w3.org/2000/svg" width="150" height="50">
<path d="M18 7 C93 15,83 48,133 44" stroke="#76dfdf" fill="none"/>
<path fill="#a18ae4"
d="M53.11 33.27L53.16 33.32L53.18 33.33Q53.05 36.18 51.87 40.82L51.89
40.84L51.77 40.72Q49.99 41.26 48.39 42.06L48.36 42.03L48.47 42.14Q51.12 35.15 50.85 27.73L50.88
27.76L50.85 27.73Q50.49 20.25 47.41 13.51L47.30 13.41L47.43 13.54Q49.38 14.80 51.25 15.37L51.33
15.45L51.28 15.40Q53.46 22.42 53.46 29.09L53.35 28.97L53.35 28.97Q53.44 30.51 53.37 31.99L53.34
31.97L53.36 31.99Q54.48 30.75 59.70 25.80L59.75 25.86L59.57 25.68Q60.68 25.68 61.67 25.61L61.70
25.63L63.71 25.40L63.84 25.52Q60.61 28.47 56.31 32.24L56.39 32.32L56.35 32.28Q59.74 35.05 66.21
40.88L66.11 40.78L66.23 40.90Q63.58 40.08 60.61 39.89L60.53 39.81L60.47 39.75Q57.99 37.69 53.12
33.27ZM63.09 42.52L63.13 42.55L62.99 42.42Q67.71 43.26 70.84 45.20L70.94 45.30L70.98 45.34Q69.76
44.01 67.13 41.61L67.05 41.53L67.14 41.62Q67.37 41.70 67.64 41.81L67.55 41.73L67.48 41.66Q65.45
39.70 63.20 37.80L63.27 37.87L58.88 34.01L58.91 34.04Q63.71 29.66 66.15 26.77L66.23 26.86L66.22
26.84Q64.97 26.88 62.49 27.15L62.60 27.26L62.45 27.11Q64.01 25.63 64.70 24.79L64.82 24.91L64.88
24.97Q61.94 25.30 59.46 25.30L59.64 25.48L59.47 25.31Q58.22 26.77 55.48 29.43L55.39 29.34L55.43
29.37Q55.33 23.49 54.34 17.67L54.38 17.71L54.31 17.63Q53.64 17.50 52.16 17.24L52.28 17.36L52.26
17.34Q52.14 16.65 51.69 15.16L51.53 15.01L51.56 15.03Q48.88 14.19 46.63 12.62L46.78 12.77L46.70
12.69Q50.15 19.52 50.49 27.63L50.42 27.56L50.49 27.63Q50.83 35.55 47.83 42.79L47.78 42.74L47.74
42.70Q48.60 42.57 49.93 41.93L49.81 41.80L49.79 41.78Q49.53 42.59 48.88 44.03L49.02 44.17L48.86
44.01Q51.85 43.08 53.98 42.70L53.84 42.56L53.81 42.53Q54.42 40.05 54.91 35.79L55.07 35.95L55.05
35.93Q57.70 38.23 63.14 42.57Z"/>
<path d="M6 10 C81 37,86 26,136 21" stroke="#44d8b3" fill="none"/>
<path fill="#a5ec5f"
d="M32.52 41.02L32.37 40.87L32.40 40.89Q31.11 39.22 29.81 36.14L29.84
36.17L27.66 30.98L27.72 31.04Q26.21 35.12 25.60 36.42L25.47 36.29L25.51 36.33Q24.06 39.25 22.46
41.16L22.45 41.15L22.46 41.16Q22.11 41.19 21.34 41.30L21.27 41.23L21.35 41.30Q21.26 33.79 15.44
27.86L15.45 27.86L15.50 27.91Q13.70 26.04 11.68 24.56L11.73 24.60L11.84 24.71Q13.54 25.12 15.40
25.42L15.46 25.48L15.57 25.59Q21.54 30.46 22.99 36.70L23.05 36.76L23.01 36.72Q23.89 34.87 25.07
31.67L24.99 31.58L25.05 31.64Q26.50 27.99 27.07 26.69L27.02 26.65L28.30 26.51L28.32 26.54Q29.16
28.21 30.34 31.49L30.38 31.53L30.35 31.50Q31.66 35.13 32.31 36.54L32.34 36.58L32.40 36.63Q34.26
30.38 39.74 25.81L39.66 25.73L39.63 25.70Q40.87 25.65 43.61 25.08L43.71 25.18L43.66 25.13Q35.06
31.18 33.88 41.16L33.86 41.14L33.13 40.94L33.17 40.98Q32.74 40.86 32.40 40.90ZM35.44 43.41L37.42
43.52L37.56 43.66Q37.21 42.09 37.21 40.57L37.10 40.46L37.10 40.45Q37.10 37.22 38.51 33.99L38.60
34.08L38.58 34.05Q40.62 29.59 44.73 26.51L44.70 26.48L44.67 26.44Q43.38 26.64 41.51 26.98L41.57
27.03L41.52 26.98Q43.55 25.40 44.84 24.48L44.93 24.57L42.45 25.06L42.41 25.02Q41.14 25.20 39.81
25.35L39.85 25.39L39.72 25.26Q34.67 29.61 32.73 34.64L32.63 34.54L32.64 34.55Q32.02 32.41 30.65

28.14L30.75 28.24L30.68 28.18Q30.35 28.18 30.08 28.18L30.10 28.20L29.51 28.15L29.51 28.15Q29.49
27.94 28.69 26.19L28.62 26.12L26.60 26.15L26.52 26.07Q25.59 28.91 23.50 34.54L23.45 34.50L23.45
34.50Q22.30 30.99 19.22 27.72L19.12 27.61L19.15 27.64Q18.77 27.53 18.46 27.49L18.62 27.65L17.99
27.48L18.01 27.49Q17.15 26.67 15.36 25.07L15.35 25.06L15.45 25.17Q12.20 24.43 10.53 23.94L10.61
24.02L10.53 23.94Q21.22 31.35 20.83 41.66L20.89 41.72L20.95 41.78Q21.11 41.75 21.47 41.71L21.49
41.73L21.49 41.73Q21.72 41.56 21.91 41.56L21.91 41.56L22.08 41.73Q22.05 41.55 22.24 43.64L22.18
43.59L24.03 43.33L24.12 43.42Q26.62 40.52 28.86 34.77L28.97 34.87L28.92 34.83Q30.36 38.62 32.22
41.29L32.28 41.35L32.34 41.40Q32.61 41.34 32.88 41.36L32.81 41.29L32.90 41.37Q33.08 41.31 33.34
41.31L33.48 41.44L35.37 43.33Z"/>

<path fill="#97e7d3"

d="M82.61 40.36L82.61 40.36L82.57 40.32Q81.12 40.35 79.56 39.93L79.54
39.91L79.61 39.98Q78.47 39.15 78.32 37.51L78.26 37.46L78.34 37.53Q78.27 37.31 78.46 34.68L78.48
34.70L78.49 34.71Q79.49 34.50 81.51 34.12L81.52 34.13L81.35 34.91L81.30 34.86Q81.02 36.59 82.43
37.17L82.34 37.08L82.37 37.11Q83.27 37.56 85.37 37.56L85.20 37.39L85.32 37.51Q86.86 37.30 87.05
37.23L87.16 37.33L87.16 37.33Q88.07 37.17 88.79 36.68L88.68 36.57L88.68 36.57Q90.22 35.75 90.03
33.65L89.84 33.47L89.95 33.57Q89.74 31.12 88.01 29.56L87.93 29.48L88.09 29.64Q86.22 27.94 83.75
27.94L83.80 27.99L83.88 27.85L83.82 27.78Q84.11 27.66 84.99 27.58L85.12 27.72L85.01 27.60Q86.91
27.48 88.28 26.25L88.26 26.23L88.36 26.33Q89.74 25.11 89.90 23.24L89.82 23.16L89.89 23.23Q89.85
22.77 89.85 22.43L89.90 22.48L89.88 22.46Q89.91 20.97 88.54 20.05L88.53 20.05L88.62 20.14Q87.42
19.36 85.82 19.47L85.81 19.46L85.67 19.32Q84.40 19.19 83.18 19.61L83.19 19.62L83.23 19.66Q81.87
20.28 81.57 21.42L81.55 21.41L81.40 21.25Q81.35 22.16 81.42 22.92L81.29 22.78L81.39 22.88Q80.29
22.58 78.23 21.85L78.30 21.93L78.23 21.85Q78.14 20.32 78.18 19.48L78.12 19.42L78.10 19.40Q78.20
17.87 79.27 17.18L79.21 17.12L79.28 17.19Q80.66 16.56 82.26 16.56L82.35 16.65L82.31 16.61Q85.41
16.51 88.57 16.78L88.60 16.80L88.60 16.81Q93.62 17.19 93.32 20.95L93.35 20.99L93.30 20.94Q93.32
22.51 92.82 24.07L92.86 24.11L92.79 24.04Q91.85 27.09 89.49 28.01L89.59 28.11L89.59 28.11Q92.13
28.56 92.74 31.91L92.80 31.97L92.67 31.84Q92.91 32.99 92.99 35.01L93.09 35.11L93.01 35.03Q93.15
39.47 88.54 39.93L88.64 40.03L88.53 39.92Q87.98 40.17 82.69 40.43ZM87.88 42.66L87.72 42.50L87.87
42.65Q88.36 42.57 91.22 42.65L91.36 42.79L91.24 42.67Q93.01 42.76 94.64 42.11L94.71 42.18L94.65
42.12Q95.78 41.11 95.59 39.36L95.57 39.35L95.64 39.42Q95.60 38.15 95.29 36.40L95.17 36.28L95.25
36.36Q94.44 31.78 92.50 30.14L92.57 30.22L92.47 29.92L92.38 29.80L92.39 29.81Q94.07 28.29 94.83
23.91L94.95 24.03L94.82 23.90Q94.87 23.46 94.99 22.51L94.94 22.46L94.98 22.50Q95.16 21.85 95.09
21.16L94.92 20.99L94.99 21.06Q94.90 19.46 93.61 18.77L93.61 18.77L93.40 18.64L93.43 18.66Q93.09
17.64 91.94 17.10L92.09 17.25L91.97 17.13Q90.47 16.46 85.33 16.16L85.41 16.25L85.43 16.26Q83.70
16.13 82.10 16.13L82.19 16.22L82.13 16.16Q80.43 16.06 78.91 16.71L79.02 16.82L78.89 16.69Q77.84
17.62 77.84 19.37L77.70 19.23L77.85 19.37Q77.75 18.86 78.01 22.21L78.03 22.22L78.02 22.22Q78.27
22.23 79.90 22.84L79.98 22.92L79.89 22.83Q80.00 23.48 79.97 23.97L79.89 23.90L79.87 23.88Q79.94
24.44 79.97 24.97L80.00 24.99L79.90 24.89Q81.77 25.35 83.79 25.47L83.78 25.46L83.73 25.41Q83.61
23.35 84.71 22.51L84.80 22.60L84.81 22.61Q85.72 22.04 87.74 21.81L87.76 21.83L87.75 21.82Q88.82
21.74 89.39 21.93L89.44 21.99L89.41 21.95Q89.49 22.12 89.53 22.23L89.49 22.19L89.41 22.29L89.62
22.96L89.63 22.97Q89.51 23.05 89.48 23.20L89.58 23.30L89.61 23.33Q89.41 24.93 87.89 26.11L87.90
26.11L87.99 26.21Q87.07 27.12 85.06 27.31L85.04 27.29L84.99 27.24Q84.17 27.30 83.30 27.30L83.31
27.31L83.32 27.32Q83.37 27.68 83.52 28.36L83.67 28.52L83.60 28.44Q85.27 28.36 86.72 29.08L86.82

```
29.19L86.58 29.06L85.21 29.44L85.13 29.36Q85.11 29.65 85.23 30.26L85.23 30.26L85.29 30.32Q87.47
30.30 89.19 31.63L89.06 31.51L89.02 31.46Q89.41 32.01 89.72 33.64L89.61 33.53L89.57 33.50Q89.79
36.46 86.86 36.88L86.96 36.98L86.92 36.94Q84.75 37.12 84.17 37.09L84.30 37.21L84.13 37.04Q83.87
37.13 83.34 37.05L83.27 36.98L83.22 36.48L83.40 36.08L83.48 35.75L83.53 35.45L83.34 35.27Q82.47
35.42 81.67 35.61L81.58 35.52L81.73 35.67Q81.74 35.49 81.74 35.30L81.70 35.26L81.70 35.26Q81.73
35.06 81.73 34.84L81.78 34.88L81.72 34.82Q81.68 34.33 81.84 33.61L81.89 33.66L81.85 33.62Q80.06
33.92 78.19 34.27L78.21 34.29L78.24 34.31Q78.06 34.63 77.95 35.75L78.05 35.86L78.08 35.88Q77.85
36.89 77.85 37.50L77.89 37.54L77.85 37.50Q77.95 39.58 79.32 40.34L79.43 40.45L79.40 40.42Q80.86
42.68 85.58 42.49L85.52 42.43L85.50 42.41Q86.20 42.34 87.72 42.50Z"/>
            <path fill="#e43ee4"
                        d="M115.54 40.11L115.59 40.16L113.14 33.25L113.17 33.29Q108.85 20.74
102.91 14.35L102.96 14.40L102.90 14.33Q104.99 15.47 107.58 16.08L107.53 16.03L107.59
16.09Q112.75 22.40 117.09 35.15L117.02 35.08L117.09 35.15Q120.09 26.99 120.77 25.40L120.80
25.42L120.82 25.44Q123.19 19.82 126.01 16.51L125.88 16.38L125.84 16.33Q127.96 16.02 130.59
15.14L130.67 15.23L130.60 15.16Q126.13 19.87 123.09 27.10L123.06 27.08L122.98 26.99Q121.68 30.76
117.99 40.27L117.88 40.17L117.97 40.26Q117.41 40.26 116.84 40.23L116.86 40.25L116.73
40.12Q116.16 40.12 115.59 40.16ZM120.66 42.64L120.66 42.64L120.65 42.63Q123.37 32.56 124.93
28.52L124.95 28.54L124.91 28.50Q128.05 20.95 132.47 16.08L132.41 16.02L132.41 16.01Q131.30 16.32
129.21 17.04L129.20 17.03L130.52 15.88L130.34 15.70Q130.96 15.06 131.57 14.41L131.54
14.39L131.67 14.52Q128.85 15.51 125.85 16.08L125.84 16.07L125.76 15.99Q121.37 21.31 117.49
32.77L117.53 32.81L117.48 32.76Q113.78 22.59 110.58 18.21L110.61 18.24L110.77 18.39Q110.27 18.20
109.40 18.05L109.32 17.98L109.48 18.13Q109.19 17.70 107.59 15.64L107.61 15.66L107.67
15.72Q104.67 14.97 101.97 13.56L101.97 13.55L101.94 13.52Q108.58 20.62 112.95 33.41L112.84
33.30L112.83 33.28Q114.15 37.05 115.33 40.62L115.33 40.62L115.30 40.59Q115.79 40.78 116.63
40.67L116.60 40.64L116.53 40.57Q116.89 41.27 117.57 42.60L117.54 42.57L117.55 42.58Q118.32 42.44
119.05 42.51L119.07 42.54L119.07 42.53Q119.98 42.72 120.74 42.72Z"/>
        </svg>
```

6、用户名密码登陆

请求URL：

http://localhost:3000/login_pwd

请求方式：

POST

参数类型: 请求体

参数	是否必选	类型	说明
name	Y	string	用户名
pwd	Y	string	密码

更多 Java –大数据 –前端 –python 人工智能资料下载，可访问百度：尚硅谷官网

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

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">
                <img :src="imgBaseUrl+c.image_url">
              </div>
              <span>{{c.title}}</span>
            </a>
          </div>
        </div>
        <!-- Add Pagination -->
        <div class="swiper-pagination"></div>
      </div>
      <img src="./images/msite_back.svg" v-else>
    </nav>
    <!--首页附近商家-->
    <div class="msite_shop_list border-1px">
      <div class="shop_header">
        <i class="iconfont icon-xuanxiang"></i>
        <span class="shop_header_title">附近商家</span>
      </div>
      <ShopList />
    </div>
  </div>
</template>

<script>
  import {mapState} from 'vuex'
  import Swiper from 'swiper'
  import 'swiper/dist/css/swiper.min.css'
  import HeaderTop from '../../components/HeaderTop/HeaderTop.vue'
  import ShopList from '../../components/ShopList/ShopList.vue'
```

```
export default {

  data () {
    return {
      imgBaseUrl: 'https://fuss10.elemecdn.com'
    }
  },

  mounted () {
    this.$store.dispatch('getCategorys')
    this.$store.dispatch('getShops')
  },

  computed: {
    ...mapState(['address', 'categorys']),

    categorysArr () {
      const max = 8
      const arr = []
      const {categorys} = this
      let smallArr = []
      categorys.forEach((c, index) => {
        if(smallArr.length===0) {
          arr.push(smallArr)
        }
        smallArr.push(c)
        if(smallArr.length===max) {
          smallArr = []
        }
      })

      return arr
    }
  },

  watch: {
    categorys(value) {
      this.$nextTick(() => {
        new Swiper('.swiper-container', {
          pagination: {
            el: '.swiper-pagination',
```

```
            },
            loop: true
          })
        })
      }
    },

    components: {
      HeaderTop,
      ShopList
    }
  }
</script>
```

2.17.3. ShopList.vue

```
<template>
  <div class="shop_container">
    <ul class="shop_list" v-if="shops.length">
      <li class="shop_li border-1px" v-for="(item, index) in shops" :key="index">
        <a>
          <div class="shop_left">
            <img class="shop_img" :src="imgBaseUrl + item.image_path">
          </div>
          <div class="shop_right">
            <section class="shop_detail_header">
              <h4 class="shop_title ellipsis">{{item.name}}</h4>
              <ul class="shop_detail_ul">
                <li class="supports" v-for="item in
item.supports" :key="item.id">{{item.icon_name}}</li>
              </ul>
            </section>
            <section class="shop_rating_order">
              <section class="shop_rating_order_left">
                <div class="star star-24">
                  <span class="star-item on"></span>
                  <span class="star-item on"></span>
                  <span class="star-item on"></span>
                  <span class="star-item half"></span>
                  <span class="star-item off"></span>
```

```
                </div>
                <div class="rating_section">
                  {{item.rating}}
                </div>
                <div class="order_section">
                  月售{{item.recent_order_num}}单
                </div>
              </section>
              <section class="shop_rating_order_right">
                <span class="delivery_style
delivery_right">{{item.delivery_mode.text}}</span>
              </section>
            </section>
            <section class="shop_distance">
              <p class="shop_delivery_msg">
                <span>¥{{item.float_minimum_order_amount}}起送</span>
                <span class="segmentation">/</span>
                <span>{{item.piecewise_agent_fee.tips}}</span>
              </p>
            </section>
          </div>
        </a>
      </li>
    </ul>
    <ul v-else>
      <li v-for="item in 10" :key="item">
        <img src="./images/shop_back.svg">
      </li>
    </ul>
  </div>
</template>

<script>
  import {mapState} from 'vuex'
  export default {
    data () {
      return {
        imgBaseUrl: 'http://cangdu.org:8001/img/'
      }
    },
    computed: {
      ...mapState(['shops'])
```

```
    }
  }
</script>
```

2.18. 开发 Star 组件

2.18.1. 图片

```
star24_half@2x.png
star24_half@3x.png
star24_off@2x.png
star24_off@3x.png
star24_on@2x.png
star24_on@3x.png
star36_half@2x.png
star36_half@3x.png
star36_off@2x.png
star36_off@3x.png
star36_on@2x.png
star36_on@3x.png
star48_half@2x.png
star48_half@3x.png
star48_off@2x.png
star48_off@3x.png
star48_on@2x.png
star48_on@3x.png
```

2.18.2. stylus 样式

```
<style lang="stylus" rel="stylesheet/stylus">
  @import "../../common/stylus/mixins.styl"
  .star //2x 图 3x 图
    float left
    font-size 0
    .star-item
      display inline-block
      background-repeat no-repeat
    &.star-48
```

```
      .star-item
        width 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>
            <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">
                <img class="get_verification" src="http://localhost:4000/captcha"
alt="captcha"
                     @click="getCaptcha" ref="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

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

```
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">
      <img class="content-image"
src="https://fuss10.elemecdn.com/8/40/02872ce8aefe75c16d3190e75ad61jpeg.jpeg">
      <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>
          <li>
            <h3>90 单</h3>
            <p>月售</p>
          </li>
          <li>
            <h3>硅谷专送</h3>
            <p>约 28 分钟</p>
          </li>
          <li>
            <h3>4 元</h3>
            <p>配送费用</p>
          </li>
          <li>
            <h3>1000m</h3>
            <p>距离</p>
          </li>
        </ul>
        <h3 class="brief-modal-title"><span>公告</span></h3>
        <div class="brief-modal-notice">
          是以粥为特色的中式营养快餐，自 2004 年 10 月 18 日创立“嘉和一品”品牌至今
        </div>
        <div class="mask-footer">
          <span class="iconfont icon-close"></span>
        </div>
      </div>
      <div class="brief-modal-cover"></div>
    </div>

    <div class="activity-sheet" style="display: none">
      <div class="activity-sheet-content">
        <h2 class="activity-sheet-title">优惠活动</h2>
        <ul class="list">
          <li class="activity-item activity-green">
            <span class="content-tag">
              <span class="mini-tag">首单</span>
            </span>
            <span class="activity-content">新用户下单立减 17 元(不与其它活动同享)</span>
          </li>
          <li class="activity-item activity-red">
            <span class="content-tag">
              <span class="mini-tag">满减</span>
```

```
            </span>
            <span class="activity-content">满 35 减 19，满 65 减 35</span>
          </li>
          <li class="activity-item activity-orange">
            <span class="content-tag">
              <span class="mini-tag">特价</span>
            </span>
            <span class="activity-content">【立减 19.5 元】欢乐小食餐</span>
          </li>
          <li class="activity-item activity-green">
            <span class="content-tag">
              <span class="mini-tag">首单</span>
            </span>
            <span class="activity-content">新用户下单立减 17 元(不与其它活动同享)</span>
          </li>
          <li class="activity-item activity-red">
            <span class="content-tag">
              <span class="mini-tag">满减</span>
            </span>
            <span class="activity-content">满 35 减 19，满 65 减 35</span>
          </li>
          <li class="activity-item activity-orange">
            <span class="content-tag">
              <span class="mini-tag">特价</span>
            </span>
            <span class="activity-content">【立减 19.5 元】欢乐小食餐</span>
          </li>
        </ul>
        <div class="activity-sheet-close">
          <span class="iconfont icon-close"></span>
        </div>
      </div>
      <div class="activity-sheet-cover"></div>
    </div>
  </div>
</template>
```

2.22.2. 组件样式

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

  .shop-header
    height 100%
    position relative
    background #fff
    color #fff
    overflow hidden
    .shop-nav
      background-size cover
      background-repeat no-repeat
      height 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" >
      <img class="content-image" :src="info.avatar">
      <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>

    <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>
```

```
<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 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">
              <img class="icon"
src="https://fuss10.elemecdn.com/0/6a/05b267f338acfeb8bd682d16e836dpng.png">
              折扣
            </span>
```

```
          </li>
          <li class="menu-item">
            <span class="text bottom-border-1px">
              <img class="icon"
src="https://fuss10.elemecdn.com/b/91/8cf4f67e0e8223931cd595dc932fepng.png">
              优惠
            </span>
          </li>
        </ul>
      </div>

      <div class="foods-wrapper" 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">
                  <img width="57" height="57"
src="http://fuss10.elemecdn.com/8/a6/453f65f16b1391942af11511b7a90jpeg.jpeg?imageView2/1/w/114/h/114">
                </div>
                <div class="content">
                  <h2 class="name">南瓜粥</h2>
                  <p class="desc">甜粥</p>
                  <div class="extra">
                    <span class="count">月售 91 份</span>
                    <span>好评率 100%</span></div>
                  <div class="price">
                    <span class="now">￥9</span>
                  </div>
                  <div class="cartcontrol-wrapper">
                    CartControl
                  </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
```

```
ew2/1/w/114/h/114">
              </div>
              <div class="content">
                <h2 class="name">红豆薏米美肤粥</h2>
                <p class="desc">甜粥</p>
                <div class="extra">
                  <span class="count">月售 86 份</span>
                  <span>好评率 100%</span>
                </div>
                <div class="price">
                  <span class="now">￥12</span>
                </div>
                <div class="cartcontrol-wrapper">
                  CartControl
                </div>
              </div>
            </li>
          </ul>
        </li>
        <li class="food-list food-list-hook">
          <h1 class="title">香浓甜粥</h1>
          <ul>
            <li class="food-item bottom-border-1px">
              <div class="icon">
                <img width="57" height="57"
src="http://fuss10.elemecdn.com/6/72/cb844f0bb60c502c6d5c05e0bddf5jpeg.jpeg?imageVi
ew2/1/w/114/h/114">
              </div>
              <div class="content">
                <h2 class="name">红枣山药粥</h2>
                <p class="desc">红枣山药糙米粥,素材包</p>
                <div class="extra">
                  <span class="count">月售 17 份</span>
                  <span>好评率 100%</span>
                </div>
                <div class="price">
                  <span class="now">￥29</span>
                  <span class="old">￥36</span>
                </div>
                <div class="cartcontrol-wrapper">
                  CartControl
```

```
                </div>
              </div>
            </li>
          </ul>
        </li>
      </ul>
    </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">
              <img class="icon" v-if="good.icon" :src="good.icon">
              {{good.name}}
            </span>
          </li>
        </ul>
      </div>
      <div class="foods-wrapper">
        <ul ref="foodsWarpperUl">
          <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">
                  <img width="57" height="57" :src="food.icon">
                </div>
                <div class="content">
                  <h2 class="name">{{food.name}}</h2>
                  <p class="desc">{{food.description}}</p>
                  <div class="extra">
                    <span class="count">月售{{food.sellCount}}份</span>
                    <span>好评率{{food.rating}}%</span>
                  </div>
                  <div class="price">
                    <span class="now">￥{{food.price}}</span>
                    <span class="old" v-if="food.oldPrice">￥{{food.oldPrice}}</span>
                  </div>
                  <div class="cartcontrol-wrapper">
                    CartControl
                  </div>
                </div>
              </li>
            </ul>
          </li>
        </ul>
      </div>
```

```
    </div>
  </div>
</template>

<script>
  import {mapState} from 'vuex'
  import BScroll from 'better-scroll'

  export default{
    data () {
      return {
        scrollY: 0, //右侧Y轴滑动的坐标
        tops: [], // 包含右侧所有分类小列表的top值
      }
    },
    mounted () {
      // 使用axios请求mockjs提供的接口
      this.$store.dispatch('getShopGoods', () => {// goods更新了, 界面还没有更新
        this.$nextTick(() => {
          // 初始化滚动
          this._initScroll()
          // 初始化tops
          this._initTops()
        })
      })
    },

    methods: {
      _initScroll () {
        // 左侧分类列表的BScroll
        new BScroll('.menu-wrapper',{
          click: true //响应点击
        })
        // 右侧food列表的BScroll
        this.foodsScroll = new BScroll('.foods-wrapper',{
          probeType: 2, // 手指滑动(惯性滑动和编码滑动不监视)
          click: true //响应点击
        })

        // 监视滑动过程
        this.foodsScroll.on('scroll', (pos) => {
          console.log(pos.y)
```

```
        // 保存y
        this.scrollY = Math.abs(pos.y)
      })
      // 监视滑动结束
      this.foodsScroll.on('scrollEnd',(pos) => {
        console.log('滑动结束', pos.y)
        this.scrollY = Math.abs(pos.y)  // 解决惯性滑动更新
      })
    },

    _initTops () {
      const tops = []
      let top = 0
      // 计算各个 top, 并保存到tops
      tops.push(top)

      // 得到ul 下所有的子li
      const lis = this.$refs.foodsWarpperUl.getElementsByClassName('food-list-hook')
      Array.prototype.slice.call(lis).forEach((li, index) => {
        top += li.clientHeight
        tops.push(top)
      })
      // 保存tops
      this.tops = tops
      console.log(this.tops)
    },

    clickMenuItem (index) {
      // 得到滚动目标坐标
      const top = this.tops[index]
      // 更新目标scrollY 值
      this.scrollY = top
      // 平滑滚动到指定位置
      this.foodsScroll.scrollTo(0, -top, 300)
    }
  },

  computed: {
    ...mapState(['goods']),
    currentIndex () {
      return this.tops.findIndex((top, index)=> {
        return this.scrollY>=top && this.scrollY<this.tops[index+1]
```

```
        })
      }
    }
  }
</script>
```

2.24. 开发 CartControl 组件

2.24.1. 静态模板

```
<div class="cartcontrol">
  <div class="iconfont icon-remove_circle_outline"></div>
  <div class="cart-count">1</div>
  <div class="iconfont icon-add_circle"></div>
</div>
```

2.24.2. stylus 样式

```
<style lang="stylus" rel="stylesheet/stylus">
  @import "../../common/stylus/mixins.styl"
  .cartcontrol
    font-size: 0
    .cart-decrease
      display: inline-block
      padding: 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>
  <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">
        <img
src="http://fuss10.elemecdn.com/8/a6/453f65f16b1391942af11511b7a90jpeg.jpeg?imageView2/1/w/750/h/750">
        <p class="foodpanel-desc">主、辅料:水、大米、南瓜、冰糖等</p>
        <div class="back">
          <i class="iconfont icon-arrow_left"></i>
        </div>
      </div>
      <div class="content">
        <h1 class="title">南瓜粥</h1>
        <div class="detail">
          <span class="sell-count">月售 91 份</span>
          <span class="rating">好评率 100%</span>
        </div>
        <div class="price">
          <span class="now">￥9</span>
          <span class="old" style="display: none;">￥</span>
        </div>
        <div class="cartcontrol-wrapper">
          cartcontrol 组件
        </div>
      </div>
    </div>
    <div class="food-cover"></div>
  </div>
</template>
```

2.26.2. 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">
          <img :src="food.image">
          <p class="foodpanel-desc">{{food.info}}</p>
          <div class="back" @click="toggleShow">
            <i class="iconfont icon-arrow_left"></i>
          </div>
        </div>

        <div class="content">
          <h1 class="title">{{food.name}}</h1>
          <div class="detail">
            <span class="sell-count">月售{{food.sellCount}}份</span>
            <span class="rating">好评率{{food.rating}}%</span>
          </div>
          <div class="price">
            <span class="now">￥{{food.price}}</span>
            <span class="old" v-show="food.oldPrice">￥{{food.oldPrice}}</span></div>
          <div class="cartcontrol-wrapper">
            <cart-control :food="food"/>
          </div>
        </div>
      </div>
      <div class="food-cover" @click="toggleShow"></div>
    </div>
  </transition>
</template>
```

2.26.4. 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="ratingselect">
```

```
        <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">
              <img width="28" height="28"
src="http://static.galileo.xiaojukeji.com/static/tms/default_header.png">
            </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">
```

```
            <img width="28" height="28"
src="http://static.galileo.xiaojukeji.com/static/tms/default_header.png">
          </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>
</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
  .ratingselect
    .rating-type
      padding: 18px 0
      margin: 0 18px
      border-1px(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="ratingselect">
        <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">
              <img width="28" height="28" :src="rating.avatar">
            </div>
            <div class="content">
              <h1 class="name">{{rating.username}}</h1>
              <div class="star-wrapper">
                <Star :score="rating.score" :size="24" />
                <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>
  </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 class="activity-item activity-red">
            <span class="content-tag">
              <span class="mini-tag">满减</span>
            </span>
            <span class="activity-content">满 35 减 19，满 65 减 35</span>
          </div>

          <div class="activity-item activity-orange">
            <span class="content-tag">
              <span class="mini-tag">特价</span>
            </span>
            <span class="activity-content">【立减 19.5 元】欢乐小食餐</span>
          </div>
        </div>
      </section>

      <div class="split"></div>

      <section class="section">
        <h3 class="section-title">商家实景</h3>
        <div class="pic-wrapper">
          <ul class="pic-list">
            <li class="pic-item">
              <img width="120" height="90"
src="https://fuss10.elemecdn.com/f/7f/d1422ec824a0a9d1fb879c57ab533jpeg.jpeg"/>
            </li>
            <li class="pic-item">
              <img width="120" height="90"
src="https://fuss10.elemecdn.com/f/7f/d1422ec824a0a9d1fb879c57ab533jpeg.jpeg"/>
            </li>
            <li class="pic-item">
              <img width="120" height="90"
src="https://fuss10.elemecdn.com/f/7f/d1422ec824a0a9d1fb879c57ab533jpeg.jpeg"/>
            </li>
          </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>
            <span class="activity-content">{{support.content}}</span>
          </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">
              <img width="120" height="90" :src="pic">
            </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.$nextTick(() => {
        this.ratingsSroll = new BScroll(this.$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.ratingsSroll.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">
            <img src="http://cangdu.org:8001/img/16265a70fe27854.jpg"
class="restaurant_img">
          </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">
            <img src="http://cangdu.org:8001/img/16265a70fe27854.jpg"
class="restaurant_img">
          </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>
  </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">
            <img :src="imgBaseUrl + item.image_path" class="restaurant_img">
          </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/hilongjw/vue-lazyload

2) 下载包

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

3) 使用

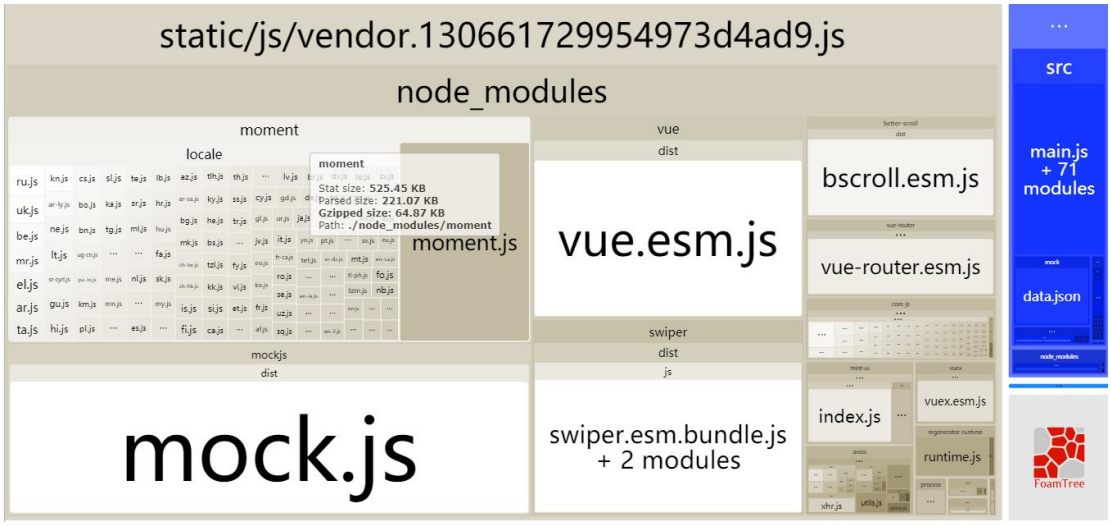
```
import VueLazyload from 'vue-lazyload'
import loading from './common/img/loading.gif'
Vue.use(VueLazyload, {
  loading
})

<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

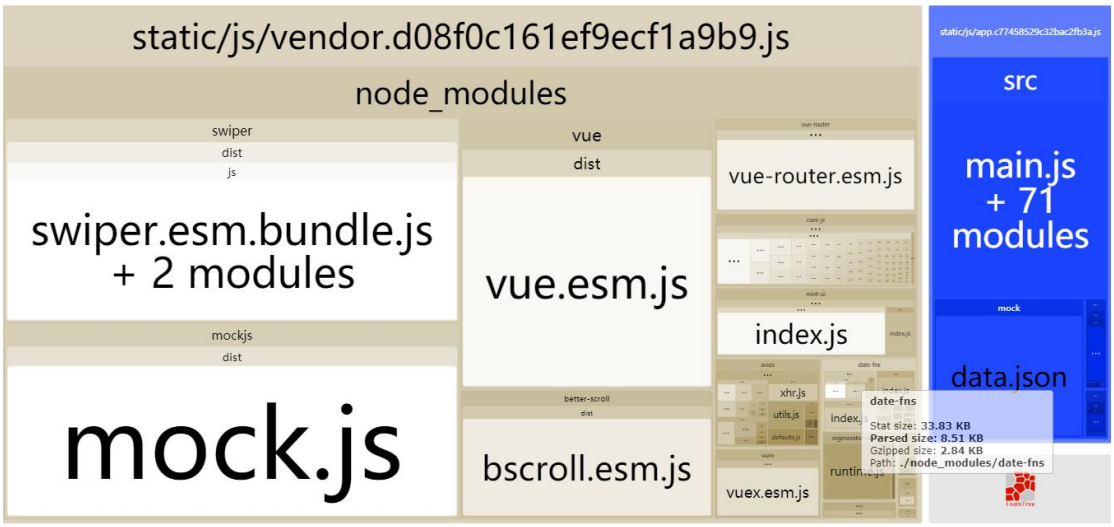
2) 启用打包可视化: npm run build --report



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')
})
```


static/js/vendor.d08f0c161ef9ecf1a9b9.js
node_modules
swiper
dist
js
swiper.esm.bundle.js
+ 2 modules
mockjs
dist
mock.js
vue
dist
vue.esm.js
better-scroll
dist
bscroll.esm.js
vue-router.esm.js
index.js
xhr.js
utils.js
vuex.esm.js
date-fns
Stat size: 33.83 KB
Parsed size: 8.51 KB
Gzipped size: 2.84 KB
Path: ./node_modules/date-fns
static/js/app.c77458529c32bac2fb3a.js
src
main.js
+ 71
modules
mock
data.json