day07网站前台-吐槽与问答

学习目标

- 完成吐槽列表与详细页
- 完成发吐槽与评论功能,掌握富文本编辑器的使用
- 完成问答频道功能
- 掌握DataURL和阿里云OSS

第一章-吐槽模块

1.吐槽列表页

1.1需求



1.2吐槽列表页数据渲染

吐槽列表页已经构建,我们现在来实现数据的渲染

(1) easyMock模拟数据

	2007		6 VAT
>	POST	/spit/spit/search/{page}/{size}	Spit分页

{

```
"code": 20000,
 "flag": true,
  "message": "查询成功",
 "data": {
   "total": "@integer(60, 100)",
    "rows | 10": [{
      "id": "@integer(1, 1000)",
      "content": "@cword(100,300)",
      "publishtime": "@datetime",
      "userid": "@string",
      "nickname": "小雅",
      "visits": "@integer(60, 100)",
      "thumbup": "@integer(60, 100)",
      "share": "@integer(60, 100)",
      "comment": "@integer(60, 100)",
      "state": "@string",
      "parentid": "@string"
   }]
 }
}
```

(2) api目录下创建spit.js

```
import request from '@/utils/request'
const group_name = 'spit'
const api_name = 'spit'
export default {
    search(page, size, searchMap) {
        return request({
            url: `/${group_name}/${api_name}/search/${page}/${size}`,
            method: 'post',
            data: searchMap
        })
    }
}
```

(3) 修改pages/spit/index.vue

```
hidden="true"></i></a>
            {{item.thumbup}} 
          </div>
          <div class="border answer">
           <a href="#" class="star"><i class="fa fa-star-o" aria-hidden="true"></i></a>
         </div>
         </div>
        <div class="info">
          <a href="~/assets/spit-detail.html" target=" blank"> {{item.content}}
</a> 
         <div class="other">
          <div class="fl date">
           <span>{{item.publishtime}}</span>
          </div>
          <div class="fr remark">
           <a href="#" data-toggle="modal" data-target="#shareModal" class="share"><i class="fa</pre>
fa-share-alt" aria-hidden="true"></i> 分享</a>
           <a href="#" data-toggle="modal" data-target="#remarkModal" class="comment"><i</pre>
class="fa fa-commenting" aria-hidden="true"></i> 回复</a>
          </div>
         </div>
        </div>
        <div class="clearfix"></div> 
       <div class="modal fade" id="shareModal" tabindex="-1" role="dialog" aria-</pre>
labelledby="myModalLabel">
       <div class="modal-dialog" role="document">
        <div class="modal-content">
         <div class="modal-header">
          <button type="button" class="close" data-dismiss="modal" aria-label="Close"><span</pre>
aria-hidden="true">×</span></button>
          <h4 class="modal-title" id="myModalLabel">分享到</h4>
         </div>
         <div class="modal-body" style="overflow:hidden">
          <div class="jiathis_style_32x32">
           <a class="jiathis button qzone"></a>
           <a class="jiathis_button_tsina"></a>
           <a class="jiathis button weixin"></a>
           <a class="jiathis button cqq"></a>
          </div>
         </div>
        </div>
       </div>
       </div>
       <div class="modal fade" id="remarkModal" tabindex="-1" role="dialog" aria-</pre>
labelledby="myModalLabel">
       <div class="modal-dialog" role="document">
        <div class="modal-content">
         <div class="modal-header">
          <button type="button" class="close" data-dismiss="modal" aria-label="Close"><span</pre>
aria-hidden="true">×</span></button>
          <h4 class="modal-title" id="myModalLabel">发表评论</h4>
```

```
</div>
         <div class="modal-body">
          <div class="comment">
           <span class="who"><img src="~/assets/img/asset-photo.png" />匿名评论</span>: 今天入职
腾讯,产品岗,普通非985211大学,上家是不到五十人创业小公司!16年毕业!找内推腾讯给的面试机会,五轮面试!
可能是我把运气攒一起了!
          </div>
          <div class="form">
           <textarea class="form-control" rows="5" placeholder="匿名评论"></textarea>
           <div class="remark">
           <button class="sui-btn btn-info">发表</button>
          </div>
          </div>
         </div>
        </div>
       </div>
      </div>
     </div>
    </div>
   </div>
   <div class="fl right-tag">
    <div class="block-btn">
     >来个匿名吐槽,发泄一下你心中的怒火吧!
     <a class="sui-btn btn-block btn-share" href="~/assets/spit-submit.html" target=" blank">发
吐槽</a>
    </div>
   </div>
   <div class="clearfix"></div>
  </div>
   </div>
</template>
<script>
import '~/assets/css/page-sj-spit-index.css'
import spitApi from '@/api/spit'
export default {
       return spitApi.search(1,10, {state:'1'} ).then( res=> {
           return {items:res.data.data.rows}
       })
   }
</script>
```

1.3 吐槽列表瀑布流

https://www.npmjs.com/package/vue-infinite-scroll

修改页面pages/spit/index.vue

```
<div class="tc-list" v-infinite-scroll="loadMore" >
```

```
data(){
    return {
        pageNo: 1
    }
},
methods:{
    loadMore(){
        this.pageNo++
        spitApi.search( this.pageNo,10,{state:'1'} ).then( res=>{
            this.items=this.items.concat( res.data.data.rows )
        })
    }
}
```

2 吐槽详情页

2.1需求

点击吐槽的item, 根据id获得吐槽详情



2.2 构建吐槽详情页

(1)根据==spit-detail.html==创建pages/spit/_id.vue

```
<template>
```

```
<div class="wrapper tc-detail">
   <div class="fl left-list">
     <div class="tc-detail">
      <!-- 标题区 -->
      <div class="detail-tit">
        <div class="detail-author">
          <a href="javascript:;">luckness</a> 发布
        <div class="detail-content">
          今天入职腾讯,产品岗,普通非985211大学,上家是不到五十人创业小公司!16年毕业!找内推腾讯
给的面试机会, 五轮面试!可能是我把运气攒一起了!
         <img src="~/assets/img/widget-tc-detail.png" alt="" />
        <div class="detail-tool">
          culs
            <span class="star"><i class="fa fa-thumbs-o-up" aria-hidden="true"></i></i>
53</span>
            <a href="#" data-toggle="modal" data-target="#shareModal"><i class="fa fa-</pre>
share-alt" aria-hidden="true"></i> 44</a>
            <a data-toggle="modal" data-target="#remarkModal"><i class="fa fa-commenting"</pre>
aria-hidden="true"></i> 666</a>
          </div>
      </div>
      <!-- 评论区 -->
      <div class="comment-area">
        <div class="comment-tit">
          <span>评论</span>
        </div>
        <1i>>
            <div class="item-photo">
             <img src="~/assets/img/widget-widget-photo.png" alt="" />
            <div class="item-content">
             <a href="javascript:;">luckness</a> 发布
             运气+实力吧?不能谦虚哦,沙发!
            </div>
            <div class="item-thumb">
               <i class="fa fa-thumbs-o-up" aria-hidden="true"></i> 52
             </div>
            </div> 
          <1i>>
            <div class="item-photo">
             <img src="~/assets/img/widget-widget-photo.png" alt="" />
            </div>
            <div class="item-content">
             <a href="javascript:;">luckness</a> 发布
             运气+实力吧?不能谦虚哦,沙发!
            <div class="item-thumb">
              <div>
```

```
<i class="fa fa-thumbs-o-up" aria-hidden="true"></i> 52
            </div>
           </div> 
         <1i>>
           <div class="item-photo">
            <img src="~/assets/img/widget-widget-photo.png" alt="" />
           </div>
           <div class="item-content">
            <a href="javascript:;">luckness</a> 发布
            内推我吧,条件一样,还要人么?内推我吧,条件一样,还要人么?内推我
吧,条件一样,还要人么?内推我吧,条件一样,还要人么?内推我吧,条件一样,还要人么?内推我吧,条件一样,
还要人么?内推我吧,条件一样,还要人么?内推我吧,条件一样,还要人么?
           </div>
           <div class="item-thumb">
              <i class="fa fa-thumbs-o-up" aria-hidden="true"></i> 52
            </div>
           </div> 
         <1i>>
           <div class="item-photo">
            <img src="~/assets/img/widget-widget-photo.png" alt="" />
           </div>
           <div class="item-content">
            <a href="javascript:;">luckness</a> 发布
            运气+实力吧?不能谦虚哦,沙发!
           </div>
           <div class="item-thumb">
              <i class="fa fa-thumbs-o-up" aria-hidden="true"></i> 52
            </div>
           </div> 
         <1i>>
           <div class="item-photo">
            <img src="~/assets/img/widget-widget-photo.png" alt="" />
           </div>
           <div class="item-content">
            <a href="javascript:;">luckness</a> 发布
            运气+实力吧?不能谦虚哦,沙发!
           </div>
           <div class="item-thumb">
              <i class="fa fa-thumbs-o-up" aria-hidden="true"></i> 52
            </div>
           </div> 
         <1i>>
           <div class="item-photo">
            <img src="~/assets/img/widget-widget-photo.png" alt="" />
           </div>
           <div class="item-content">
            <a href="javascript:;">luckness</a> 发布
            运气+实力吧?不能谦虚哦,沙发!
           </div>
           <div class="item-thumb">
```

```
<div>
                <i class="fa fa-thumbs-o-up" aria-hidden="true"></i> 52
               </div>
             </div> 
         </div>
     </div>
   </div>
   <div class="fl right-tag">
     <div class="block-btn">
       来个匿名吐槽,发泄一下你心中的怒火吧!
       <a class="sui-btn btn-block btn-share" href="~/assets/spit-submit.html" target=" blank">
发吐槽</a>
     </div>
   </div>
   <div class="clearfix"></div>
 </div>
</template>
<script>
   import '~/assets/css/page-sj-spit-detail.css'
   export default {
   }
</script>
```

(2) 修改pages/spit/index.vue 页面链接

```
<nuxt-link :to="'/spit/'+item.id"><a>{{item.content}}</a></nuxt-link>
```

2.3 吐槽详情页数据渲染

(1) easyMock模拟数据



```
"code": 20000,
"flag": true,
"message": "@string",
"data": {
    "id": "@string",
    "nikename": "小雅",
    "content": "@cword(100,300)",
    "publishtime": "@datetime",
    "thumbup": "@integer(60, 100)",
    "share": "@integer(60, 100)",
    "comment": "@integer(60, 100)"
}
```



(2) 修改api/spit.js

```
findById(id){
  return request({
    url: `/${api_group}/${api_name}/${id}`,
    method: 'get'
    })
},
commentlist(id){
  return request({
    url: `/${api_group}/${api_name}/commentlist/${id}`,
    method: 'get'
    })
}
```

(3)根据 ==spit-detail.html== 修改pages/spit/_id.vue

```
{{pojo.thumbup}}</span>
       <a href="#" data-toggle="modal" data-target="#shareModal"><i class="fa fa-share-</pre>
alt" aria-hidden="true"></i> {{pojo.share}}</a>
       <a data-toggle="modal" data-target="#remarkModal"><i class="fa fa-commenting" aria-</pre>
hidden="true"></i> {{pojo.comment}}</a>
       </div>
     </div>
     <!-- 评论区 -->
     <div class="comment-area">
      <div class="comment-tit">
      <span>评论</span>
      </div>
      <div class="item-photo">
        <img src="~/assets/img/widget-widget-photo.png" alt="" />
       </div>
       <div class="item-content">
        <a href="javascript:;">{{item.nickname}}</a> 发布
        {{item.content}}
       </div>
       <div class="item-thumb">
        <div>
         <i class="fa fa-thumbs-o-up" aria-hidden="true"></i> {{item.thumbup}}
        </div>
       </div> 
     </div>
    </div>
   </div>
   <div class="fl right-tag">
    <div class="block-btn">
     >来个匿名吐槽,发泄一下你心中的怒火吧!
     <a class="sui-btn btn-block btn-share" href="~/assets/spit-submit.html" target=" blank">发
吐槽</a>
    </div>
   </div>
   <div class="clearfix"></div>
  </div>
</template>
<script>
import '~/assets/css/page-sj-spit-detail.css'
import spitApi from '@/api/spit'
import axios from 'axios'
export default {
   asyncData({params}){
       return axios.all( [ spitApi.findById(params.id), spitApi.commentlist(params.id) ]
).then(
          axios.spread( function( pojo,commentlist ){
              return {
                 pojo: pojo.data.data,
```

```
commentlist: commentlist.data.data
}
}
}

}

//script>
```

3 吐槽点赞

3.1 基本功能

(1) easyMock模拟数据

```
PUT /spit/spit/thumbup/{spitId}

{
    "code": 20000,
    "flag": true,
    "message": "执行成功"
}
```

(2) api/spit.js 增加方法

```
thumbup(id) {
  return request({
    url: `/${api_group}/${api_name}/thumbup/${id}`,
    method: 'put'
  })
}
```

(3) 修改pages/spit/index.vue

```
methods: {
    thumbup(index){
        spitApi.thumbup(this.items[index].id).then( res=>{
            if(res.data.flag){
                this.items[index].thumbup++
            }
        })
    }
}
```

(4)点赞调用

```
<a href="#" class="zan"><i class="fa fa-thumbs-up "</pre>
```

3.2 样式处理

实现点赞后,大拇指图标变色。样式表已经写好,在i标签设置class属性为color就好了

```
<\!\!i\ class=''\!\!fa\ fa-thumbs-up\ \ \begin{array}{c} color''\ aria-hidden=''true''><\!\!/i><\!\!/a><\!\!/p><\!\!p\ class=''zannum''>\ \{\{\mathit{item}\ thumbup\}\}\ <\!\!/p>
```

(1) 修改pages/spit/index.vue 的代码部分

```
import '~/assets/css/page-sj-spit-index.css'
import spitApi from '@/api/spit'
export default {
    asyncData(){
        return spitApi.search(1,10, {state:'1'} ).then( res=> {
            let tmp= res.data.data.rows.map( item=>{
                return {
                    ...item,
                    zan: ''
                }
            })
            return {items:tmp}
        })
   },
    data(){
        return {
            pageNo: 1
    },
    methods:{
        loadMore(){
           this.pageNo++
           spitApi.search( this.pageNo,10,{state:'1'} ).then( res=>{
                let tmp= res.data.data.rows.map( item=>{
                    return {
                        ...item,
                        zan: ''
                    }
                })
               this.items=this.items.concat( tmp )
           })
        },
        thumbup(index){
            this.items[index].zan='color'
            spitApi.thumbup(this.items[index].id).then( res=>{
                if(res.data.flag){
                   this.items[index].thumbup++
                }
            })
        }
   }
```

(2) 修改pages/spit/index.vue的html部分

3.3 判断是否登陆

导入getUser

要求:点赞必须要在用户登陆的情况下执行,非登陆状态下不能点赞。并且不可重复点赞

```
import {getUser} from '@/utils/auth'
```

修改thumbup (点赞)方法

```
thumbup(index){
     if(getUser().name===undefined){
        this.$message({
            message: '必须登陆才可以点赞哦~',
            type:"warning"
        })
        return
     }
     if( this.items[index].zan==='color'){
        this.$message({
            message: '不可以重复点赞哦~',
            type:"warning"
        })
        return
     }
    this.items[index].zan='color'
     spitApi.thumbup(this.items[index].id).then( res=>{
        if(res.data.flag){
            this.items[index].thumbup++
         }
     })
 }
```

3.4 提交token

修改utils/request.js,每次请求将token添加到header里

```
import axios from 'axios'
import {getUser} from '@/utils/auth'

// 创建axios实例

const service = axios.create({
   baseURL: 'http://192.168.184.133:7300/mock/5af314a4c612520d0d7650c7', // api的base_url
   timeout: 30000, // 请求超时时间
   headers: { 'Authorization': 'Bearer '+getUser().token }
   })

export default service
```

4.发吐槽

4.1需求



4.2 构建页面

我们这里用到VUE常用的富文本编辑器vue-quill-editor

详见文档: https://www.npmjs.com/package/vue-quill-editor

github教程: https://github.com/surmon-china/vue-quill-editor/tree/master/examples/nuxt-ssr-example

(1)安装vue-quill-editor

```
cnpm install vue-quill-editor --save
```

(2) plugins下创建nuxt-quill-plugin.js

```
import Vue from 'vue'
import VueQuillEditor from 'vue-quill-editor/dist/ssr'
Vue.use(VueQuillEditor)
```

(3) 修改nuxt.config.js,配置插件和样式

```
plugins: [
    { src: '~plugins/nuxt-quill-plugin.js', ssr: false }
],
// some nuxt config...
css: [
    'quill/dist/quill.snow.css',
    'quill/dist/quill.bubble.css',
    'quill/dist/quill.core.css'
],
```

(4)根据静态原型==spit-submit.html== 创建pages/spit/submit.vue

```
<template>
  <div class="wrapper release-tc">
   <div class="release-box">
   <h3>发布吐槽</h3>
   <div class="editor">
    <div class="quill-editor"</pre>
         :content="content"
         @change="onEditorChange($event)"
         @blur="onEditorBlur($event)"
         @focus="onEditorFocus($event)"
         @ready="onEditorReady($event)"
         v-quill:myQuillEditor="editorOption">
     </div>
     <div class="btns">
     <button class="sui-btn btn-danger btn-release">发布</button>
     <div class="clearfix"></div>
   </div>
   </div>
   <div class="clearfix"></div>
  </div>
</template>
<script>
import '~/assets/css/page-sj-spit-submit.css'
  export default {
    data () {
      return {
        content: '',
        editorOption: {
          // some quill options
          modules: {
            toolbar: [
              [{ 'size': ['small', false, 'large'] }],
              ['bold', 'italic'],
              [{ 'list': 'ordered'}, { 'list': 'bullet' }],
              ['link', 'image']
            1
```

```
}
   },
   mounted() {
      console.log('app init, my quill insrance object is:', this.myQuillEditor)
      /*setTimeout(() => {
       this.content = 'i am changed'
     }, 3000)*/
   },
   methods: {
      onEditorBlur(editor) {
        console.log('editor blur!', editor)
      },
      onEditorFocus(editor) {
        console.log('editor focus!', editor)
      },
      onEditorReady(editor) {
        console.log('editor ready!', editor)
      onEditorChange({ editor, html, text }) {
        console.log('editor change!', editor, html, text)
        this.content = html
      }
   }
 }
</script>
<style>
.quill-editor {
     min-height: 200px;
     max-height: 400px;
     overflow-y: auto;
   }
</style>
```

(5)修改pages/spit/index.vue链接到此页面

```
<router-link class="sui-btn btn-block btn-share" to="/spit/submit">发吐槽</router-link>
```

4.3 提交吐槽

(1) easyMock模拟数据

```
> POST /spit/spit 增加吐槽
```

```
{
    "code": 20000,
    "flag": true,
    "message": "执行成功"
}
```

(2) 修改api/spit.js,增加提交吐槽的方法

```
save(pojo) {
    return request({
        url: `/${group_name}/${api_name}`,
        method: 'post',
        data: pojo
    })
}
```

(2) 修改pages/spit/submit.vue 引入API

```
import spitApi from '@/api/spit'
```

在methods增加方法

\$router.push()的作用是路由跳转。

(3)发布按钮调用方法

```
<button class="sui-btn btn-danger btn-release" @click="save">发布</button>
```

5.吐槽评论

5.1需求



5.2 评论弹出框

我们这里的评论弹出框使用elementUI的弹出框来实现

(1)修改pages/spit/_id.vue,添加弹出框,弹出框中放置富文本编辑器

为富文本编辑框添加样式:

```
<style>
.quill-editor {
    min-height: 200px;
    max-height: 400px;
    overflow-y: auto;
    }
</style>
```

(2) 修改pages/spit/index.vue代码部分

```
data(){
     return {
         dialogVisible: false,
         content: '',
         editorOption: {
         // some quill options
             modules: {
                 toolbar: [
                 [{ 'size': ['small', false, 'large'] }],
                 ['bold', 'italic'],
                 [{ 'list': 'ordered'}, { 'list': 'bullet' }],
                 ['link', 'image']
             }
         }
     }
},
methods:{
   onEditorChange({ editor, html, text }) {
     console.log('editor change!', editor, html, text)
     this.content = html
   }
}
```

(3) 修改pages/spit/_id.vue 中的回复链接

```
<a @click="dialogVisible=true;content=''"><i class="fa fa-commenting" aria-hidden="true"></i>
{{pojo.comment}}</a>
```

5.3 提交评论

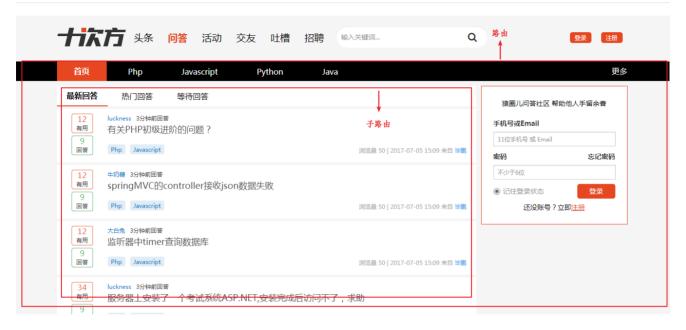
修改pages/spit/_id.vue , 增加提交回复的方法

```
save(){
    spitApi.save({ content:this.content,parentid: this.pojo.id } ).then(res=>{
        this.$message({
            message: res.data.message,
            type: (res.data.flag?'success':'error')
        })
        if(res.data.flag){
            this.dialogVisible=false
            spitApi.commentlist(this.pojo.id).then(res=>{
                  this.commentlist=res.data.data
            })
        }
    })
}
```

```
<el-button type="primary" @click="save">提交</el-button>
```

第二章-问答频道

1.嵌套布局与标签导航



1.1 嵌套布局

(1) 创建pages/qa.vue

```
<template>
   <div>
     <div class="tab-nav">
      <div class="wrapper">
        <a href="#index" data-toggle="tab">首页</a>
        <a href="#php" data-toggle="tab">Php</a>
        <a href="#js" data-toggle="tab">Javascript </a>
        <a href="#python" data-toggle="tab">Python</a>
        <a href="#java" data-toggle="tab">Java</a>
        <span class="fr more"><a href="./qa-allTag.html" target="_blank">更多</a></span>
        <div class="clearfix"></div>
      </div>
    </div>
    <nuxt-child/>
   </div>
</template>
<script>
import '~/assets/css/page-sj-qa-logined.css'
export default {
```

```
}
</script>
```

(2) 创建pages/qa/label/_label.vue

```
<template>
 <div class="wrapper qa-content">
 <div class="fl left-list">
  <div class="tab-content">
   <div id="index" class="tab-pane active">
    <div class="tab-bottom-line">
    <a href="#new" data-toggle="tab">最新回答</a>
     <a href="#hot" data-toggle="tab">热门回答</a>
     <a href="#wait" data-toggle="tab">等待回答</a>
    <div class="qa-list">
     <div class="tab-content">
      <div id="new" class="tab-pane active">
      <div class="fl record">
        <div class="number">
         <div class="border useful">
          12
          有用
         </div>
         <div class="border answer">
          9
          回答
         </div>
        </div>
        </div>
        <div class="fl info">
        <div class="question">
         <span class="name">luckness</span><span>3</span>分钟前回答
         <a href="./qa-detail.html" target=" blank">有关PHP初级进阶的问题?
</a>
        </div>
        <div class="other">
         Php
          Javascript
         <div class="fr brower">
          </div>
        </div>
        </div>
        <div class="clearfix"></div> 
       <div class="fl record">
```

```
<div class="number">
          <div class="border useful">
          12
          有用
         </div>
         <div class="border answer">
          9
          回答
         </div>
         </div>
        </div>
        <div class="fl info">
         <div class="question">
         <span class="name">牛奶糖</span><span>3</span>分钟前回答
         <a href="./qa-detail.html" target="_blank">springMVC的controller
接收json数据失败</a>
         </div>
         <div class="other">
         Php
          Javascript
         <div class="fr brower">
          >浏览量 50 | 2017-07-05 15:09 来自 <a href="#">毕鹏 </a>
         </div>
         </div>
        </div>
        <div class="clearfix"></div> 
       <div class="fl record">
         <div class="number">
         <div class="border useful">
          12
          有用
          </div>
         <div class="border answer">
          9
          </div>
         </div>
        </div>
        <div class="fl info">
         <div class="question">
         <span class="name">大白兔</span><span>3</span>分钟前回答
         <a href="./qa-detail.html" target="_blank">监听器中timer查询数据库
</a>
         </div>
         <div class="other">
         Php
          Javascript
          <div class="fr brower">
```

```
浏览量 50 | 2017-07-05 15:09 来自 <a href="#">毕鹏 </a>
          </div>
         </div>
        </div>
        <div class="clearfix"></div> 
        <div class="fl record">
         <div class="number">
          <div class="border useful">
          34
          有用
          </div>
          <div class="border answer">
          9
          </div>
         </div>
        </div>
        <div class="fl info">
         <div class="question">
          <span class="name">luckness</span><span>3</span>分钟前回答
          <a href="./qa-detail.html" target="_blank">服务器上安装了一个考试系
统ASP.NET,安装完成后访问不了,求助</a>
         </div>
         <div class="other">
          Php
          Javascript
          <div class="fr brower">
          浏览量 50 | 2017-07-05 15:09 来自 <a href="#"> 字鹏 </a>
          </div>
         </div>
        </div>
        <div class="clearfix"></div> 
        <div class="fl record">
         <div class="number">
          <div class="border useful">
          12
          有用
          </div>
          <div class="border answer">
          9
          回答
          </div>
         </div>
        </div>
        <div class="fl info">
         <div class="question">
          <span class="name">牛奶糖</span><span>3</span>分钟前回答
          <a href="./qa-detail.html" target="_blank">springMVC的controller
```

```
接收ison数据失败</a>
         </div>
         <div class="other">
          Php
          Javascript
          <div class="fr brower">
          >浏览量 50 | 2017-07-05 15:09 来自 <a href="#">毕鹏 </a>
          </div>
         </div>
        </div>
        <div class="clearfix"></div> 
       <div class="fl record">
         <div class="number">
          <div class="border useful">
          12
          有用
          </div>
          <div class="border answer">
          9
          回答
          </div>
         </div>
        </div>
        <div class="fl info">
         <div class="question">
         <span class="name">大白兔</span><span>3</span>分钟前回答
          <a href="./qa-detail.html" target="_blank">监听器中timer查询数据库
</a>
         </div>
         <div class="other">
          Php
          Javascript
          <div class="fr brower">
          >浏览量 50 | 2017-07-05 15:09 来自 <a href="#">毕鹏 </a>
          </div>
         </div>
        </div>
        <div class="clearfix"></div> 
       </div>
      <div id="hot" class="tab-pane">
       </div>
      <div id="wait" class="tab-pane">
       等待回答
      </div>
     </div>
     </div>
```

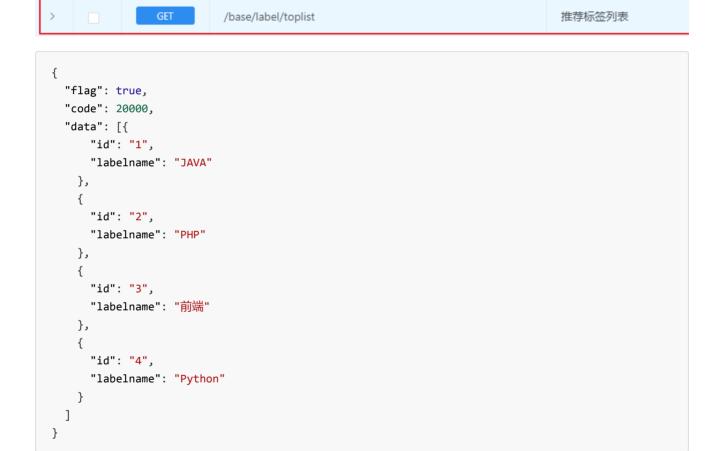
```
</div>
    </div>
    <div id="php" class="tab-pane">
   </div>
   <div id="js" class="tab-pane">
    Javascript
   <div id="python" class="tab-pane">
     python
   </div>
   <div id="java" class="tab-pane">
     java
   </div>
  </div>
  </div>
  <div class="fl right-tag">
  <div class="block-btn">
   今天,有什么好东西要和大家分享么?
   <a class="sui-btn btn-block btn-share" href="./qa-submit.html" target=" blank">发布问题</a>
  </div>
  <div class="hot-tags">
   <div class="head">
    <h3 class="title">热门标签</h3>
   </div>
   <div class="tags">
    Php
     Javascript
     Gif
     Java
     C#
     i0S
     C++
    </div>
  </div>
  </div>
  <div class="clearfix"></div>
 </div>
</template>
```

(3) 创建pages/qa/index.vue

1.2 标签导航

(1) easyMock模拟数据

标签: /base/label/toplist method: get



(2)编写标签API 创建api/label.js

```
import request from '@/utils/request'
const api_group = 'base'
const api_name = 'label'
export default {
  toplist() {
    return request({
      url: `/${api_group}/${api_name}/toplist`,
      method: 'get'
    })
  }
}
```

(3)修改pages/qa.vue

```
<template>
 <div>
   <div class="tab-nav">
       <div class="wrapper">
           <router-link tag="li" to="/qa/label/0" active-class="active" exact ><a> 首页</a>
</router-link>
           <router-link tag="li" :to="'/qa/label/'+item.id" active-class="active" v-for="</pre>
(item,index) in labelList" :key="index" >
               <a>{{item.labelname}} </a>
           </router-link>
           <span class="fr more"><a href="./qa-allTag.html" target="_blank">更多</a></span>
           <div class="clearfix"></div>
       </div>
   </div>
   <nuxt-child/>
 </div>
</template>
<script>
import labelApi from '@/api/label'
export default {
   asyncData () {
       return labelApi.toplist().then((res) => {
           return {labelList: res.data.data }
       })
   }
}
</script>
```

2.问答列表

2.1 最新,热门,等待问答列表

(1) easy-mock模拟数据

>	GET	/qa/problem/newlist/{label}/{page}/{size}	最新问答列表
>	GET	/qa/problem/hotlist/{label}/{page}/{size}	热门问答列表
>	GET	/qa/problem/waitlist/{label}/{page}/{size}	等待回答列表

```
"code": "@integer(60, 100)",
  "flag": "@boolean",
  "message": "@string",
  "data": {
    "total": "@integer(60, 100)",
    "rows|10": [{
      "id": "@integer(1, 1000)",
      "title": "@cword(20,30)",
      "content": "@string",
      "createtime": "@datetime",
      "updatetime": "@datetime",
      "userid": "@integer(1, 1000)",
      "nickname": "小马",
      "visits": "@integer(60, 100)",
      "thumbup": "@integer(60, 100)",
      "reply": "@integer(60, 100)",
      "solve": "@string",
      "replyname": "小牛",
      "replytime": "@datetime"
   }]
 }
}
```

(2) API编写 创建api/problem.js

```
import request from '@/utils/request'
const group_name = 'qa'
const api_name = 'problem'
export default {
    list(type,label,page,size){
        return request({
            url:`/${group_name}/${api_name}/${type}/${label}/${page}/${size}`,
            method: 'get'
        })
    }
}
```

(3) 修改pages/qa/label/_label.vue 脚本部分

```
import problemApi from '@/api/problem'
import axios from 'axios'
export default {
```

```
asyncData({params}){
    return axios.all([problemApi.list('newlist',params.label,1,10),
        problemApi.list('hotlist',params.label,1,10),
        problemApi.list('waitlist',params.label,1,10) ] ).then(
axios.spread(function(newlist,hotlist,waitlist) {
        return {
            newlist:newlist.data.data.rows,
            hotlist:hotlist.data.data.rows,
            waitlist:waitlist.data.data.rows
        }
      }))
}
```

(4) 修改pages/qa/label/_label.vue 模板部分

```
<div class="fl record">
         <div class="number">
          <div class="border useful">
          {{item.thumbup}}
          有用
          </div>
          <div class="border answer">
          {{item.reply}}
          </div>
         </div>
        </div>
        <div class="fl info">
         <div class="question">
          <span class="name">{{item.replyname}}</span><span>
{{item.replytime}}</span>回答
         <a href="./qa-detail.html" target="_blank">{{item.title}}</a>
         <div class="other">
          <div class="fr brower">
          浏览量 {{item.visits}} | {{item.createtime}} 来自 <a href="#">{{item.nickname}}</a>
</a>
          </div>
         </div>
        </div>
        <div class="clearfix"></div>
```

2.2 切换样式

(1) 定义属性type,默认值为new

```
data(){
   return {
    type:'new'
  }
}
```

(2)修改选项卡

```
  <a @click="type='new'">最新回答</a>
  <a @click="type='hot'">热门回答</a>
  :class="type=='wait'?'active':''"><a @click="type='wait'">等待回答</a>
```

(3) 修改div的样式为动态获取

最新回答列表

```
<div id="new" :class="'tab-pane '+(type=='new'?'active':'')">
.....
</div>
```

热门回答列表

```
<div id="hot" :class="'tab-pane '+(type=='hot'?'active':'')">
```

等待回答列表

```
<div id="wait" :class="'tab-pane '+(type=='wait'?'active':'')">
```

(4)参照最新问答列表编写热门回答列表与等待回答列表内容

```
.....
```

2.3 问答列表瀑布流【自己实现】

https://www.npmjs.com/package/vue-infinite-scroll

(1) 修改pages/qa/label/_label.vue模板部分

```
<div class="qa-list" v-infinite-scroll="loadMore">
....
```

(2) 修改pages/qa/label/_label.vue脚本部分

```
import problemApi from '@/api/problem'
import axios from 'axios'
export default {
  asyncData({params}){
    return axios.all([problemApi.list('newlist',params.label,1,10),
      problemApi.list('hotlist',params.label,1,10),
        problemApi.list('waitlist',params.label,1,10) ] ).then(
axios.spread(function(newlist,hotlist,waitlist ){
          return {
            newlist:newlist.data.data.rows,
            hotlist:hotlist.data.data.rows,
           waitlist:waitlist.data.data.rows,
            label:params.label //标签ID, 我们需要记录下来
          }
        }))
  },
  data(){
    return {
      type: 'new',
      page_new: 1,//记录最新问题列表的页码
      page hot: 1,//记录热门问题列表的页码
      page wait: 1//记录等待回答列表的页码
   }
 },
  methods:{
   loadMore(){
      if(this.type==='new'){
        this.page_new++
        problemApi.list('newlist',this.label,this.page_new,10).then( res=>{
          this.newlist=this.newlist.concat( res.data.data.rows )
        })
      if(this.type==='hot'){
        this.page_hot++
        problemApi.list('hotlist',this.label,this.page_hot,10).then( res=>{
          this.hotlist=this.hotlist.concat( res.data.data.rows )
        })
      if(this.type==='wait'){
        this.page_wait++
        problemApi.list('waitlist',this.label,this.page_wait,10).then( res=>{
          this.waitlist=this.waitlist.concat( res.data.data.rows )
        })
      }
   }
 }
}
```

3.问答详细页

4.发布问题页

学员实现。使用富文本编辑器(参见吐槽模块的实现)

5.标签列表与关注标签

学员实现

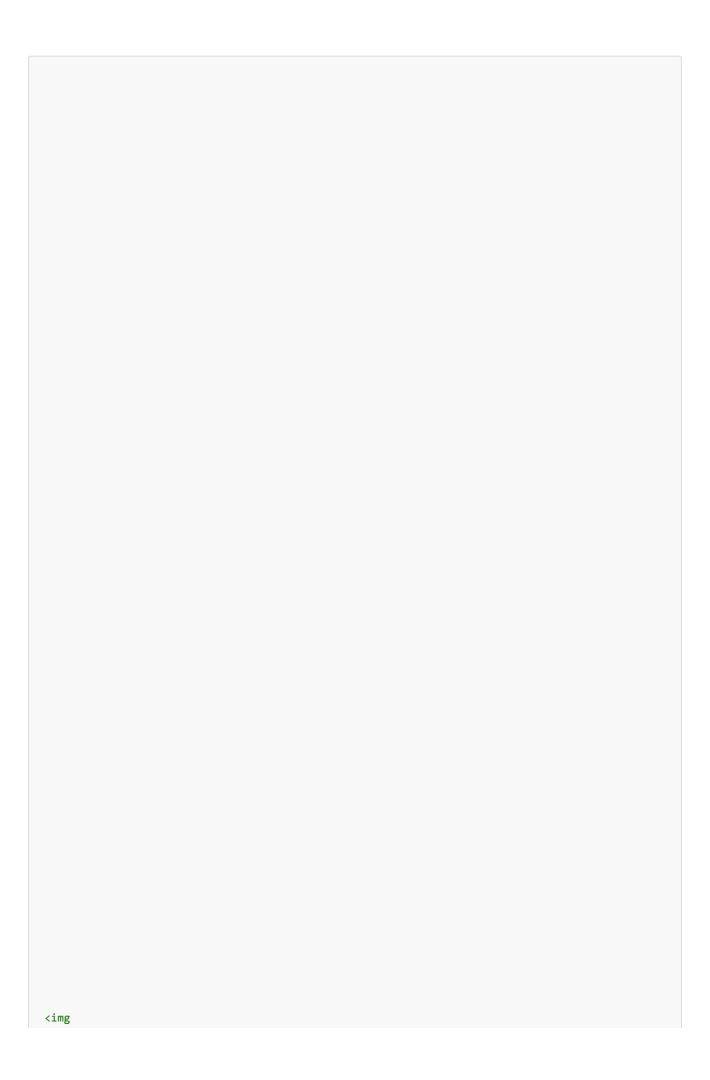
第三章-图片上传

1. Data URL

Data URL给了我们一种很巧妙的将图片"嵌入"到HTML中的方法。跟传统的用 img 标记将服务器上的图片引用到页面中的方式不一样,在Data URL协议中,图片被转换成base64编码的字符串形式,并存储在URL中,冠以mimetype。

传统方式:

这种方式中, img 标记的 src 属性指定了一个远程服务器上的资源。当网页加载到浏览器中时,浏览器会针对每个外部资源都向服务器发送一次拉取资源请求,占用网络资源。大多数的浏览器都有一个并发请求数不能超过4个的限制。这意味着,如果一个 网页里嵌入了过多的外部资源,这些请求会导致整个页面的加载延迟。而使用Data URL技术,图片数据以base64字符串格式嵌入到了页面中,与HTML成为一体,它的形式如下



src="data:image/png:base64.iVBORw0KGgoAAAANSUhEUgAAAM8AAAA4CAYAAABaFgz+AAAAGXRFWHRTb2Z0d2FvZOBBZ G9iZSBJbWFnZVJlYWR5ccllPAAAAyJpVFh0WE1MOmNvbS5hZG9iZS54bXAAAAAAADw/eHBhY2tldCBiZWdpbj0i77u/IiBpZ D0iVzVNME1wQ2VoaUh6cmVTek5UY3prYzlkIj8+IDx4OnhtcG1ldGEgeG1sbnM6eD0iYWRvYmU6bnM6bWV0YS8iIHg6eG1wd Gs91kFkb2Jl1FhNUCBDb3Jl1DUuMy1jMDExIDY2LjE0NTY2MSwgMjAxMi8wMi8wNi0xNDo1NjoyNyAgICAgICAgIj4gPHJkZ jpSREYgeG1sbnM6cmRmPSJodHRwOi8vd3d3LnczLm9yZy8xOTk5LzAyLzIyLXJkZi1zeW50YXgtbnMjIj4gPHJkZjpEZXNjc mlwdGlvbiBvZGY6YWJvdX09IiIgeG1sbnM6eG1wPSJodHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLiAvIiB4bWxuczp4bXBNT T0iaHR0cDovL25zLmFkb2J1LmNvbS94YXAvMS4wL21tLyIgeG1sbnM6c3RSZWY9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwL zEuMC9zVHlwZS9SZXNvdXJjZVJlZiMiIHhtcDpDcmVhdG9yVG9vbD0iOWRvYmUgUGhvdG9zaG9wIENTNiAoV2luZG93cykiI HhtcE1NOkluc3RhbmNlSUO9InhtcC5paWO6OUOyRTkxNThFRDEyMTFFNjhENUY5OjM0OUZGOzEwN0IiIHhtcE1NOkRvY3VtZ W50SUQ9InhtcC5kaWQ60UQyRTkxNT1FRDEyMTFFNjhENUY5QjM00UZGQzEwN0IiPiA8eG1wTU06RGVyaXZ1ZEZyb20gc3RSZ WY6aW5zdGFuY2VJRD0ieG1wLmlpZDo5RDJFOTE1NkVEMTIxMUU20EQ1RjlCMzQ5RkZDMTA3QiIgc3RSZWY6ZG9jdW11bnRJR D0ieG1wLmRpZDo5RDJF0TE1N0VEMTIxMUU20EQ1RjlCMzQ5RkZDMTA3QiIvPiA8L3JkZjpEZXNjcmlwdG1vbj4gPC9yZGY6U kRGPiA8L3g6eG1wbWV0YT4gPD94cGFja2V0IGVuZD0iciI/Po4slv0AABviSURBVHja7F0JfBRF1u/puXJxCqIiiID4LawII q6KgooICh7ITRIIN6ui6KcsiiugCPrJp6KuohwJhFtQDhUPRFg5FJRDkfUAOUQFTAhKyDFX7/tnXieVSs9Mz6TD4W8ev6Knq 6urqqvqX++oVxWbUkWUNmRoPbvD/ojd7minBQJHfT5vevbMmX8ocYrTn4QcVmaWOnhwEoHlCZfLNVC1qc5iT/EiT3Fx53mz4 qCJ05+PbFZk0n/Q4EtcLuf0xISkG7x+b15xUfHY7JkzZsabN05x8IQGTX3iMkuSEhOv9fn9xYWFhRMJNFPCvXNr97ucdLmCQ msKzSk0pFCPOqKO7CiFwxR+ofA1hc9Xv718T7y74nTWg6dfRobqsDveSEpOHmRTVbWooGC9x+fttmD27PwOgK1F154U7qRwk wOUs5RL4SMKyvmsIDAVxbsvTmcVePplDGqTkJDwYYI7obbP7/MVFBOMnj97VnYI0LSiy4MU+lJwWVjv3ynMpvAigehgvBvjd MaDJ3Xw4PFJSSnj7apq83g90SSmXb0wK30vAWguo8tTzGmqkrwUZ1EYTyA6Gu/O0J2R4EkbMvSd5KTkrorNphQVFX7n8RS3X JiV5ZFAk0KXyRTuoWA/hd9xnMIjBKC4kSJOZw54+gwcqLqcri8TE5NaIXFhceFuj8dz2aKsrIAEnL/RZSGFiytRnzUUbg7xr IBCFgMzFK2gkEEgOh7v2jhVNamREriczq8SExJbKZqmFBYV7vEUGwJnCF0+ZeD4TZRr10Z1CotDpN9IAfpTgwj50kzcOvVpE u/aOJ1W8JCOs8adkNhCUzSFdJzjxHFaL5pTATj/pAvEJZigv2AdRCZYxuZT6M4gyJOez2HDwl+keFjY/k6hPYfbTXzTJRQ2s 94VpzidevD0yxg01US1joObJUBUVFR0POEnXwLOGLo8ybf7KHRGtJAEOhHWfRqOKJVGAWbm8RTq8HMfhbEUB1EAKO/geFjTJ lJoQu9Mp+tVFP4VxXfVhQhI9bs43sVxOqU6T58BA29LSU5516YGH58sODlxYWbmBAk4feiySIi6m8JOCrr17TMK6eLiJr1zJ V228u0HrOR/LeO3jrnYbIrP53hwkLUC4KKh7yi0pbxORPMSlYm1qIYWtnM+1WGpOTkwsPS0IP+DlP/aCN9k4za8kEJjTEzMp ffwxBRtPXZTmVuirSjV4yW6DBCi3qd8+sby0ZTXXSzJVJaWUx12cJ6YqJtLDADfeTmlWcZpsE7Zp4JvW+/0AUkJbvcSWNXAd Yo9xQcMgIMZfYYQtV8JL162F8Sw4VSYR8oeFXsGoKNnO6Vn/6a4xVI50QAHouDrFK6mcAPHXUrhDTDSKBvzfsVaM/sBCksN4 vFdmRbkn8XtJA+uJBalUc45ISSNg6xrRluPaTyoFIM+C2dp3UZhlDjk6B2Ml1/DvFNIY+M7g3iAZ6AF7Yfxu8NgDMxk8FyHs YVxT/WA10tXTPAVwGN32Fc6HM5kTdOCsPN6+himYPjYakL0h5SpRs+8/Gw07uW8Ke7VULWnZ79K5TSjy3oKtcJ8dA6nwcBcS OEWv39IafpSXm9S/m/9iSWIX0K0aOFzt7ph3gWHbWphXWA4qhGl9PNehDO7LeIwEYm56RbmagtguaXfGRijFHqwYOu69zZHe a6T3jbBndBR/6Li4qIdi+fM+VxWhyhcL8XtEj5yuBFwYviI75nDtebOxewJL4UjFA6xuPG9XhalbcpGCSNRdBo9X01pC2Ooy hzW6+ZRgHf43TwojwuDBDPSfoqbSr9bsg7XycRs/gfP4NESxN92wv1PYdJCFzWyUsLVaTXakMJv0rPxzJFkGsvc/EwkjAuz4 19TSXIyOwD4ndTHc1k/zy8HHofTudBG4hqsazb65/X5hkrcABa1SSFEJgz4kxbPAjAcrOMOTva9kjnP+SGSOM7H+tD/x2hU0 d4t+H4V1XerOR2G0eV/+fYbCi+Z+L5jdB1N797MooFOi+nZf8J873MSeH4OU0waG2Zyddmd4zGrZnF+jaR3Vuo6gFRuRpTg2 RJBHDNL+0ykKaI6rzOpK8WyDoiJF14so1nSecQhcJ2Obqe7CaQ1qDsej+fw4rlzvjSQMY0sWI7TMdVQIzhYTHtCiew79xCUV Wpgb5TFBJhdb6JQWwk6tg6V0rS1MF24f5HlaLPUR8rz4wjpZU7ycxiA/iS019n63MF+iTKdJ/wuNpHPFLawngpqGAUo7AZ9b IZgIJvFom4ZeBwOx8vBX1qJ50P1eecZvBxqdb/GaQCOjcWiNJOvXMCKXtSdCWWVyuvHivUoup9H950FJFt58L8CmZieT+BZ2 ixdKN3/ZBV4qB5Zkn6j01B6phtWXpFem2iizodM9hPK+KQSXT0R7WlSd4p1HG43iM06o26lXSmI2ddhAqbvGloCnp5pafVdT tf/6NgJEPsJBPxTpEaA0tkhxMx8yj2b2UAxgHUSmMm7KJFdg/rHAJ4uVM46QXzAoANQUqQZqYgH/dWc/rwoyqgv/NYiiGH6R KCT19riSJi0oaxR7QTRLyvKNsHywtwzQM85yHp2rAQxbIa+XCKNr32SeK3TXo7bUwIeu2p/WoGyw+TzeY8tyc4+JuXX1UAZB xJ7U0YfnI6WY2PBGg4AeE016KVwIRsY3NLM9DBEPXrPF0Ux9TiEo78Jvy8NYS0KR6Ku9ms40ZI5bn2T+o5ZvmEiRySCWxXM7 puiaMN84ftd3D+HWAeTCf13kVmRiurwBIvsp4WC4LHbuwZ1naDI5vf7vwoxU8lKXNdwiq1IvdLSMZBT3pyXnVuFYILMu9lgw GGmXsgzNqxh2yJk9bmJ4roKuh4sVwUGaVAfrE+8FgYMbqX801ZditsfwYDhFLmWlH4ptcPDwn1rvkKMfECyqOniyLFIRh1Zz GT96SgsjxH6BOtMrSg9RKoVDJ4UFg1nCdbSdLo8LwEV9/8Xot3gT3m7hcPnpUgLzRXA0zM1LcVhd9Qp03ZK3HE2G6RtI11RA JycKMpKhVJNIBpIAFp4ivSi6nS518KjStm61BXhwEPvOJlczSEcdRRENxgIfgmTthHlu9tg0VgW2ROGxkVRfKac3ikN3h3Mr boYiTws/mYpsS02djcQg50h0gLEjQQ0A1NxOpUN6y3cvG6WxMLBDLxQhMVYKxeyo9aFHSStDQ1KbJqiabYS7qNpgY8M0ooLa e9GCRxdL4Di9xoBaAUBqKAKQXOjEnQB6U0hSXocydRaLYQCGY7eNZHm4hAWuPMt/nwjke9Og+9+HJZD1t+sJLG9fxdAvI7Kg 179MJcNjguPlA+F9JhcnmYrnVc5w8mhqrYbFZHt4KemfGkwg1eTFK2oCGAh0ABAj7Do9FkVflcCGxGSTsFgrayouVGpxEEsB tys2XkXouVkg1ebcADXepNFTJGuFnQ5WJ1mG+SxVypLXi6oLln7dPrCQA3QdUP43c2Qz0oHWb8JRdD7rouy6apX0tgAzqOWs 1AFNE2jgS6fsya7yPwnxvJ0blNcxQNyNTV+Z5bj3QZKaTg6yeJIJJovgH0EiQnlqDDI8N4tFnwqdLPEEG2sk7jVA3qEvMaB2 R+W1DaiBwbVcYIAnmP0bLSJ+sgWR1uU4mBbDkagCgceHzw8JCBfJHH6e0X3MDYuKZUEj62u71EA9kP6jtFGNXFmxMDfGmN56 Ch4I+w+BTP6ZyxPPyU3dJhZvGkUM5hNmsU8EdLDAXIL1Qvffi6Fty34TCOQe4TvqSF8/z7mSvo+p2eV4NoU6o6Fv9ek2V5cJ

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Tg/mSi3Getqn1T2AzJGjuzrdrlLfMz8gbDHZD8f7+44WOoe/Ofz+zYEgVP2wOl0XtorLa01b1Z6na0jWwlAgwXg3K2UHXb4i mJ6JVi71pXijZX9gMSExK1Bzq1hB2yoZHDX2Xw2dtCy5pfeR2GKFHe+8LsDhRcp1LeoPOTVPw4Nc9YaJeD3j6EB2F1fZNZ1H 4fdiVX0S2ngPU0gWcCWpVK9h7gMFpei0ky0AIejSHEazY03580LVKbyGSNGDiTwlA4ajyekIe0fZ3EfYV0D7jOP8uCGPxkWR 3VLJaQBmNOzFGu2ZCOvOUqZO1WcwnEeEt2+8nq9FfQPp8vZrHda+ihWqrCnIjfK/f9GXKcDW3oWVA44I9zJySk125uDDBN/A sVwAT+T6vz5WdxH3ZTyO0XbKyb+NEwlCF4g98ShYZLzlIhuPu8oEtVWBneTllPGn++ZmrZy6fx5VlmNYM1LJa5TqVNFnU7Xv 10uVyKzSoieRmLb4Wi4Ds3qMNnDM+ClHru/+5HuIarClLuB7t/iNDgoA5ZF6HYXU/xkjse6EBYpp1LcIbpH3aawWAsXn/co/ mNOi9ndSfdTddGLLl3o/tEQnAdOks9Qugn8W+HfordxAsXB6ti055MSx1jKs1D4Phh04IMH3y+srGPBei6+VcgH6x4wKy+n9 OB4WKd61a8Qt6FYwpy/iEE9jK/getmU1y6hPHgRwKMEC5PQS4+zDr2Y0vki9MUNPHHge2HoWUvvvCM8T+L2hu8kXKawrXwRp dkhpBnN+jq+byDnhfvpXF+835G/Cda7zEj1qsB5mPus8ng9u2TDgU21Odwu186eaWkpViCHOPMGhUq5hw8a+fcXUpJTrsIO0 RF4It/wD3Fn8NYEswSwYZG3B99jkMGtYwx3BqYVgAVrX7AYTqI4/fC0ISzy6KeJ3sj3hSxmjeI83Ayqp3kAKAzYUL5sGUrwm FtQIyXoh+bi39WFdG/zwAf7bcA66FquM8qFnx0Wa59h/fUwD+zd9KyXkM94pcxptRXfb+Q6Qi5uyVIDwLONgYH4kRiAPAGhP DiJfs/tCXEfZzzAU2WeUt5TQwaNjcJcNia14fewfXsVxU/nNGj/b/gbEzgN2n07PXtCmghe4PpDvIea8BADBQv18ILxcr2w6 Do1arFNJ7/P1v1ACpAm80SHw1nD5XDtIOBVP92skvScSdWrVeddiWUVPXGiwpLR1GiPxKJZp4AbWncb0nd7tqVOqcF6BmYv5 IsVb0xM3ReqE19vFsStXOYASN+Jg0P0kMgAuI7iXPzu+ybq18Ez7EH8piDu/8eC7mUUN4JCR9aBMCvrxwRjySGF0+BdHA0Mn zasqmcKk4ARYba+nN4ZzhMB1nKwvaE3xXWnACPSCP4u/aAR5H+M37sf5VHAu+uU8H/OpDtzR3DwGymMoXAbG61GUD3/qgQXS dEP19CzdAoPc9/Aw2Micy1FmHA6UZq+SKsEzx0/j0HXEu3FHPUHnkxiAw9xnwOkdD8hcx+2vtVzu9wHeqWlnbY/WUgcJ4uAM 67EA1yvm4a/50BV8k+W4zxwERkXYzEYxO2oA2ryoP6c2+kGFr/A1tdQo+/nmfU2SnsJdxLS3sSzPQD4EaULMNCSWF8BuI6w2 HAzx1VTotzwZaTbUVmirV63Ltah+qBu2J4BP7zGGFw8wK710kPs6Rwm7/163nQt5oF2jH6vEdJ8y9dz0d2tFC6kcJLKuoDCt ROAsnOU8Ecj6yfiyFzgIa4n2g5/aGCFKKJx/Z4URF2dfqBn4nkZunfLEuGbAmz9TYxJ59GJdJvJvdMHdHa5301Ffzd4Wzscj pqqqn7XOz195JLs7FP216fThw471+12rU1KSmlR0YdAU/Lyyi36g90PrMRfasBAhxs8zPDXsNhWh2Vj3G+mxtbZ3Ac8S25ku Rk+cas4Dg6Q+kSEzvuDAXU9z77FnCcG0gHK89tKNpO8ACyaHvXjeW9iwMj0uyQCynTcIO8TEXSWv3A7duSJo5BFraQI31EiX lF7HDGQCpCvfoqT0XqifvxX3TDtYtQ+RvfRcZ5S8c3vu9Hr9R40GKeKqtrtSUnJM/pnDN5JIGpY1cAZMGz42GopKT8lJSa3k Dkirl6fV8k7nicCp5vZfTMhaCfPbhN5clnHoQfrQ09LQKvJOhFcXz7iQTJZAJfCSiiMBb1Yt/mY69qa46w4cTXcCrHuMj0D6 lJTDDzQatHv16zqMzaWfMJAHcE6YjKV0Zb1JN14EaquKnN+Mc96FPAnRPTtM0bHGdczAIyvqsamIXhIfAv4fN4WNDCP1A7UU v0i6MpDnKAlDej9/TIGres9YEDjKuA29w27b1R0jeo1ppD05VKkWuh050gRHUw01brEcr6CNMNpDIoLuS0/4cF+gSDWiWD1c tp1LNJs4t1zJ90fFtJ+wHnY+L11/Btxq4VBUo1CJN2yWpSfBa4G7/BUyruhqJwrwa3qHvrdzsLua8wDeTW1wTxY89CubH3Td UJ3GLEZJJ8nB8MDthvUYAB2F7iQTvpJqWuVU0AhN8AsWzA/v0f/VChnu110V12R+yg2vhAluBM600+9qU0G7PP7/JmBQGDak uy5MT18pg0Z2tZut49zu923UJmJZefIBRdty58tpy1/nPhDyc8/EWAu8ZQVf1RL4CgQvdZzp+tuRLDcbReABn1+A1vW1nH00 hZVVhvkCfqZ3tvDg/dHFu/WSop/TaVsk51MWDK4g979MJzVSp4QKD1MtXDa3Ua/Z7Mx4xYW5aAvbbRwXEEXxBaDP1TWUb5vw pZDjI1aLArnsjcDTOHdqA4b2BoHo8Fz9Ew/3RUcui/rXmtZd1rD1r2Z3C9d+FtmKDGc/mkpeBhA0T1SUxvTOP3S7XI3Ew8JE c+2xrim5xfbXLYnKe2T6c0G5wb8/10BLbBFC2hbKc10euHgoj1zSsSp/oMG0eCwNSdAtCYd6moCTGun09XU6XC4S0Ci4wSma JvxwSRFxUXK0aNHsAEMfzT4Y4vb5QMemG/y4DtMnQST537mTCL9iy1gGwSTcVPmh0IA3kd5TFPKb50GUnyeoEOVK0eS4rpUK Bub0gcrZWcBHuYJ57gu4tK73RksXfkdpElj8zj57KQ0yBfWv6vYpI78J9Ez0V9ytlLxYI+9XE/5AJpVSpTnEZo+qZL0m1fd7 oSRKv5Eti34qmoTsrAFQYSHGF0qgyD4yMaF2YLp9PTBS7k8VN1KYdPTK6Xg0YEFN5xffv15Aell91ZmP0ec4lQZiuqY156pq S2JQ7xDIlWDMrCUjvSSwV1uoOs16EBh8CgCaGzl0gr3+nMJPMXFxfk5x3L6LZs//51498XprAGPTr3S0oc6nc4pBKQ6pdxHG uzluU95EMTCfYjLFBUUFLyYk/vbYxbqNnGK06kFTymI0tMHkZ4yzuV0N9G5RQXuo5cgcR9bGfupwH108JD0pBGn+cHr82YF/IFn58+eFYh3WZz+FOAp40RptVXV/ojdrnZ2OJzNnA5ncnkOY477wAjh9f1O+HzebwIB/3J/IPDygtmzC+LdFKc/LXgMjAspN pvanrjJNaqqtlBVWwP6XcOmqtV0GG1YTNS0E5qmHdUCga8DmraJfn+0MCszbgCI011B/xVgAOX9oz13Z9A5AAAAAE1FTkSuQ mCC">

vue-quill-editor的图片上传默认采用Data URL方式。

2. 辅助插件vue-quill-editor-upload

如果你不想使用Data URL方式存储图片,我们可以通过一个辅助插件来让vue-quill-editor实现传统方式的上传。 参考地址: https://github.com/NextBoy/vue-quill-editor-upload(复制时候注意==uploadConfig==)

(1)安装:

```
cnpm install vue-quill-editor-upload --save
```

(2) 修改submit.vue 引入插件

```
import {quillRedefine} from 'vue-quill-editor-upload'
```

(3)将editorOption的值改为{}

```
data () {
    return {
      content: '',
      editorOption:{}//修改此处!
    }
}
```

(4)新增created 钩子函数

```
created () {
    this.editorOption = quillRedefine(
    {
        // 图片上传的设置
        uploadConfig: {
            action: 'http://localhost:3000/upload', // 必填参数 图片上传地址
            // 必选参数      res是一个函数, 函数接收的response为上传成功时服务器返回的数据
            // 你必须把返回的数据中所包含的图片地址      return 回去
            res: (respnse) => {
               return respnse.info
            },
            name: 'img' // 图片上传参数名
        }
    }
}
```

3. Multer (了解)

课程中提供了上传图片的服务端代码 upload-server ,我们可以先测试运行后,对照在线文档阅读并理解代码(课程不要求学员独立编写此段代码)

cnpm install
npm run start

这段代码主要应用两项技术:

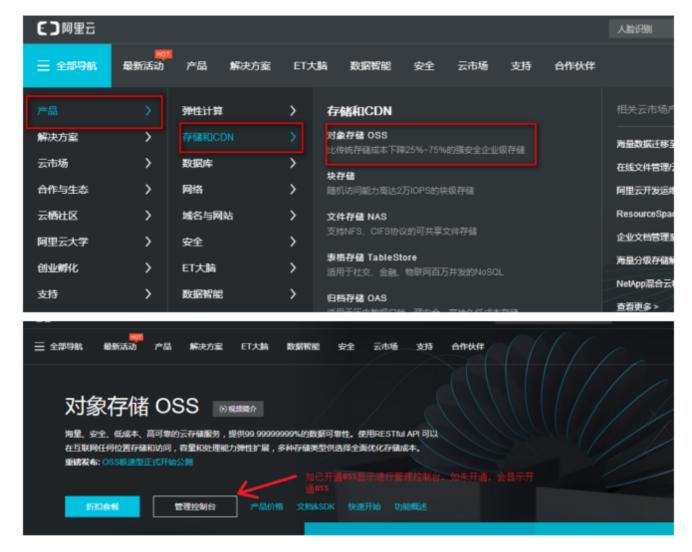
- (1) Express --node.js的web框架 在线文档: http://www.expressjs.com.cn/4x/api.html
- (2) Multer --Express官方推出的,用于multipart/form-data请求数据处理的中间件 在线文档: https://github.c om/expressjs/multer/blob/master/doc/README-zh-cn.md

4 云存储解决方案-阿里云OSS

为了能够解决海量数据存储与弹性扩容,我们在十次方项目中采用云存储的解决方案-阿里云OSS。

4.1 准备工作

- (1)申请阿里云账号并完成实名认证:可以使用我们之前发短信用的阿里云账号。
- (2) 开通OSS: 登录阿里云官网。将鼠标移至产品找到并单击对象存储OSS打开OSS产品详情页面。在OSS产品详情页中的单击立即开通。开通服务后,在OSS产品详情页面单击管理控制台直接进入OSS管理控制台界面。您也可以单击位于官网首页右上方菜单栏的控制台,进入阿里云管理控制台首页,然后单击左侧的对象存储OSS菜单进入OSS管理控制台界面。



(3) 创建存储空间

新建Bucket,命名为tensquare,读写权限为公共读



4.2 代码编写



参考: https://help.aliyun.com/document_detail/32070.html?spm=5176.87240.400427.55.23844614RBUD18

(1)安装ali-oss

cnpm install ali-oss --save

(2) 修改upload-server的server.js

```
let OSS = require('ali-oss');

let client = new OSS({
  endpoint: 'oss-cn-shenzhen.aliyuncs.com',
  accessKeyId: 'xxx',
  accessKeySecret: 'xxx',
  bucket:'tensquare-000'
});
```

```
app.post('/upload', upload.single('img'), (req, res) => {
 // 没有附带文件
 if (!req.file) {
   res.json({ ok: false });
   return;
 }
 // 输出文件信息
 console.log('=======');
 console.log('fieldname: ' + req.file.fieldname);
 console.log('originalname: ' + req.file.originalname);
 console.log('encoding: ' + req.file.encoding);
 console.log('mimetype: ' + req.file.mimetype);
 console.log('size: ' + (req.file.size / 1024).toFixed(2) + 'KB');
 console.log('destination: ' + req.file.destination);
 console.log('filename: ' + req.file.filename);
 console.log('path: ' + req.file.path);
 putStream(req,res);
});
//上传的方法
async function putStream (req,res) {
 try {
 // use 'chunked encoding'
 let stream = fs.createReadStream(req.file.path);
 let result = await client.putStream(req.file.originalname, stream);
 res.json({ ok: true ,info:result.url});
 } catch (e) {
   console.log(e)
 }
}
```

(3)启动

```
node server-oss.js
```