路飞学城项目前端

笔记

1. 项目分析

首页

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2. 项目搭建

2.1 创建项目目录

```
cd 项目目录
vue init webpack lufei
```

例如，我要把项目保存在D:/moluo的根目录下，可以如下操作:

```
D:
cd /moluo
vue init webpack lufei
```

效果:

```
C:\Users\Administrator>D:

D:\>cd moluo

D:\moluo>vue init webpack lufei
```

根据需要在生成项目时，我们选择对应的选项。

```
D:\moluo>vue init webpack lufei

? Project name lufei
? Project description A Vue.js project
? Author
? Vue build standalone
? Install vue-router? No
? Use ESLint to lint your code? No
? Set up unit tests No
? Setup e2e tests with Nightwatch? No
? Should we run `npm install` for you after the project has been created? (recommended) npm

   vue-cli · Generated "lufei".


# Installing project dependencies ...
# ========================
```

```
# Project initialization finished!
# ========================

To get started:

  cd lufei
  npm run dev

Documentation can be found at https://vuejs-templates.github.io/webpack
```

根据上面的提示，我们已经把vue项目构建好了，接下来我们可以在pycharm编辑器中把项目打开并根据上面黄色提示，运行测试服务器。
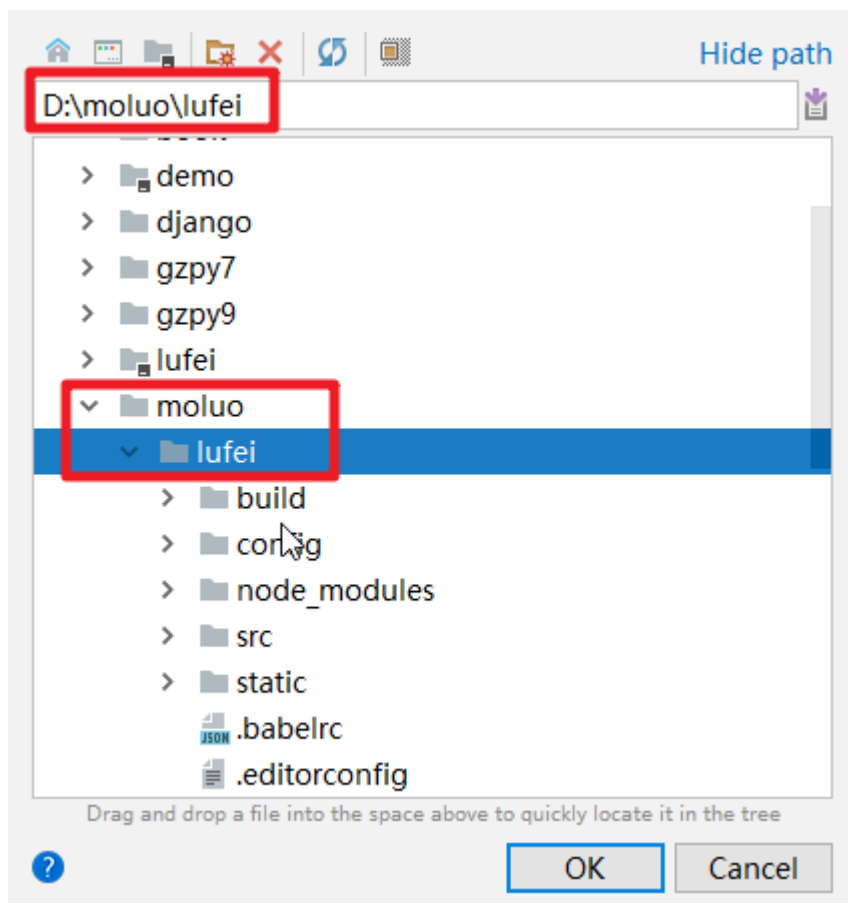
打开项目已经，在pycharm的终端下运行vue项目，查看效果。

```
npm run dev
```


效果：

```
+  DONE   Compiled successfully in 4325ms

    I  Your application is running here: http://localhost:8081
```
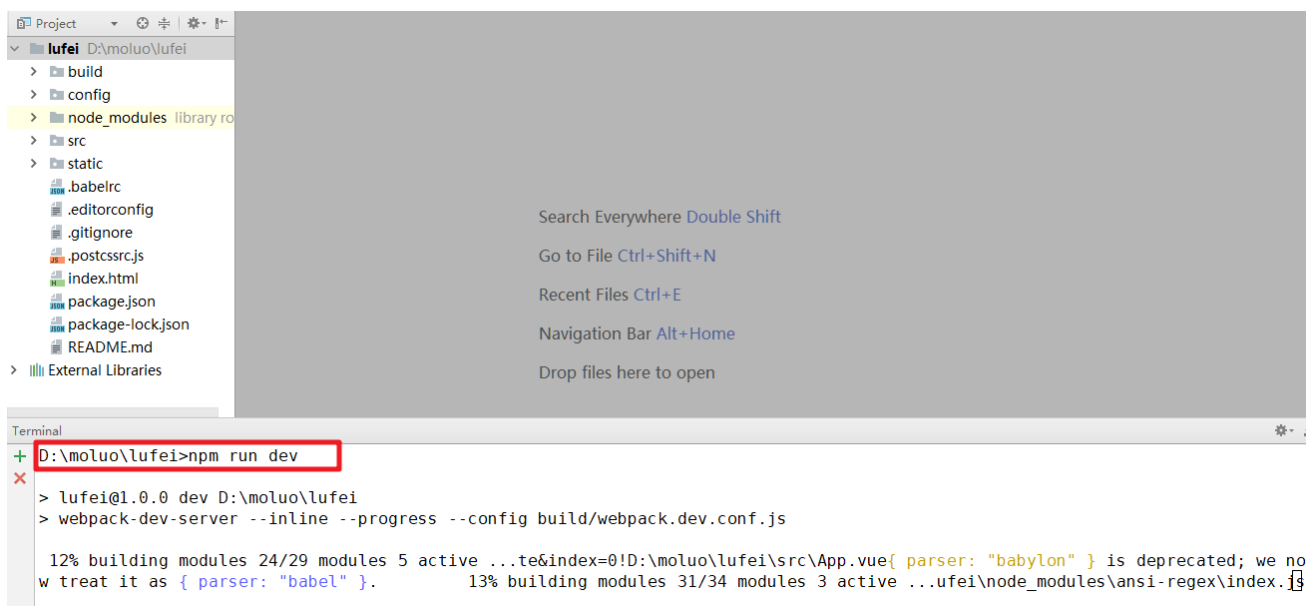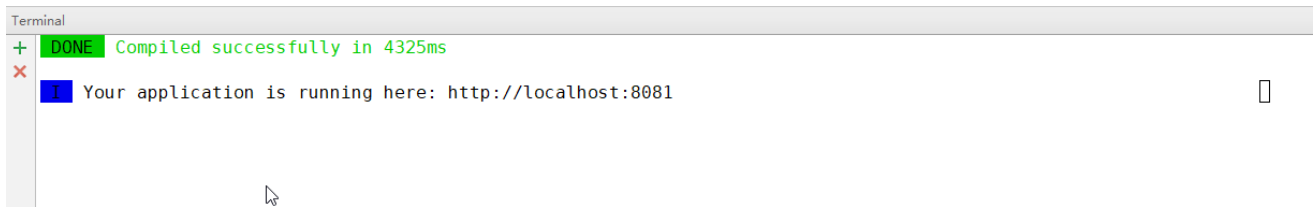
接下来，我们根据终端上效果显示的对应地址来访问项目(如果有多个vue项目在运行，8080端口被占据了，服务器会自动改端口，所以根据自己实际在操作中看到的地址来访问。)

访问：http://localost:8081
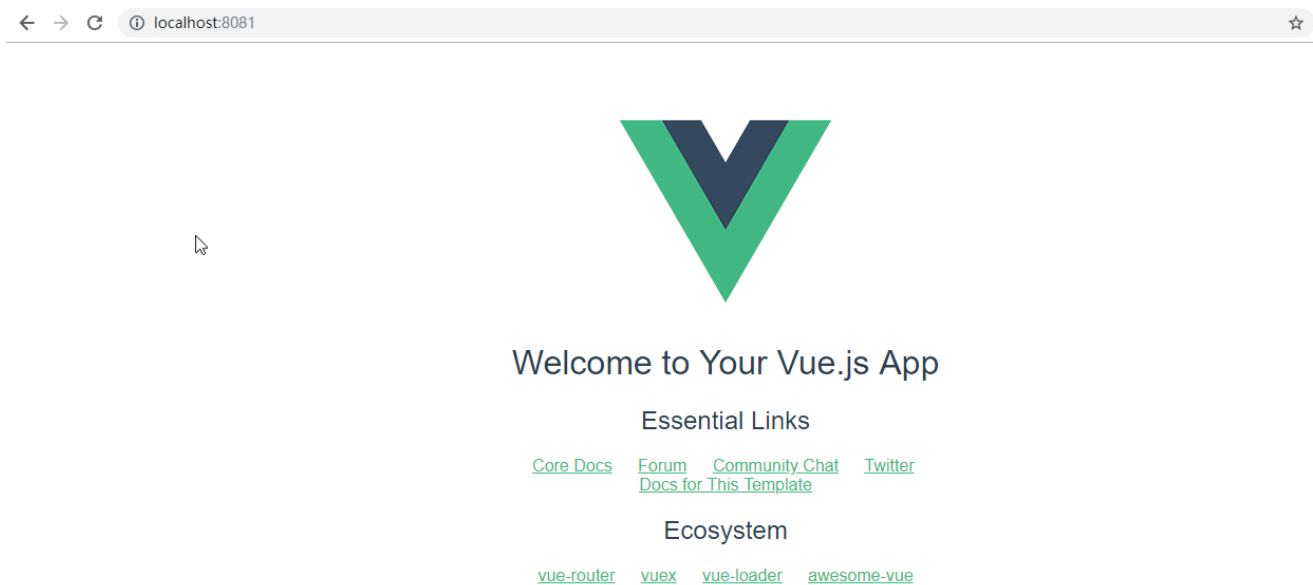
2.2 初始化项目

清除默认的HelloWorld组件和APP.vue中的默认样式

修改后效果：
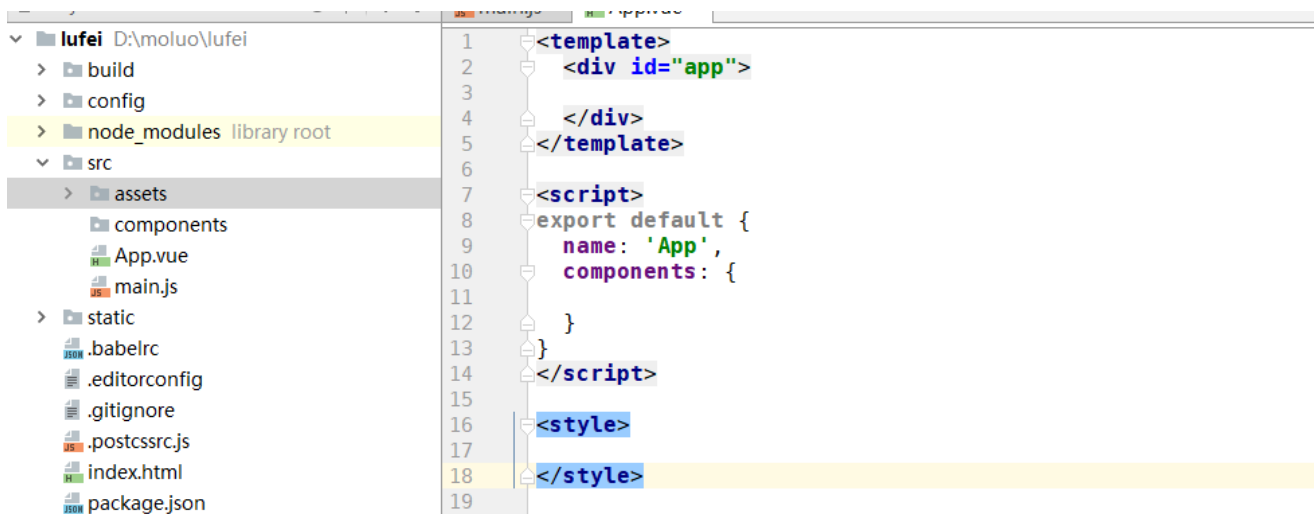
接下来，我们可以查看效果了，一张白纸~
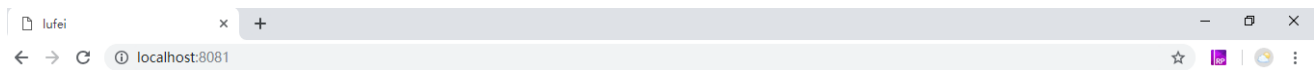
2.3 安装路由vue-router

2.3.1 下载路由组件

```
npm i vue-router -S
```

执行效果：
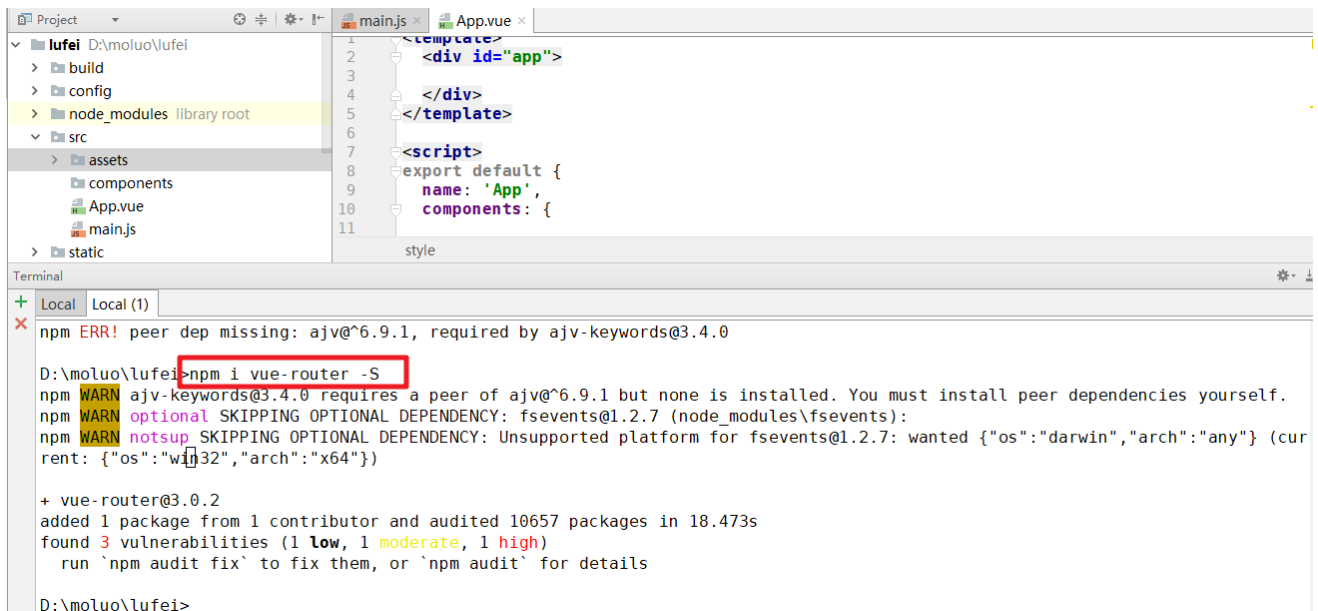
2.3.2 配置路由

2.3.2.1 初始化路由对象

在src目录下创建routers路由目录，在routers目录下创建index.js路由文件

效果：
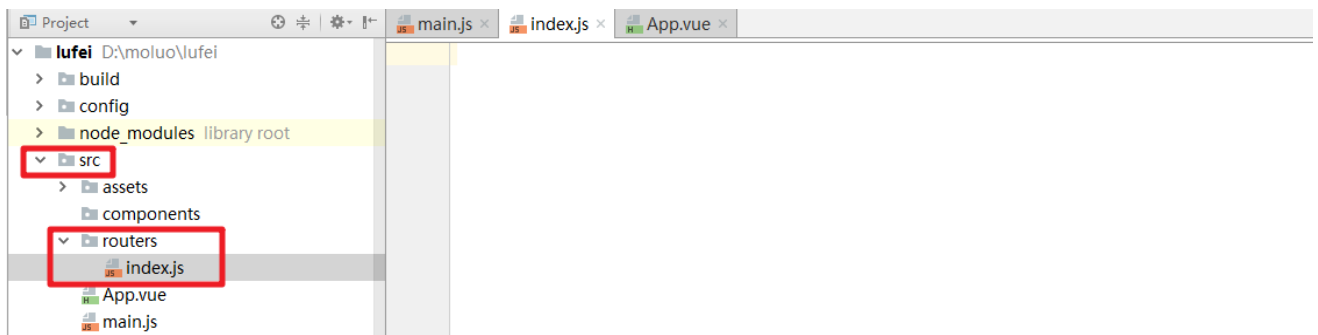
index.js路由文件中，编写初始化路由对象的代码．

```
import Vue from "vue"
import Router from "vue-router"

// 这里导入可以让让用户访问的组件

Vue.use(Router);

export default new Router({
    // 设置路由模式为'history'，去掉默认的#
    mode: "history",
    routes:[
        // 路由列表

    ]
```

```
})
```

2.3.2.2 注册路由信息

打开main.js文件，把router对象注册到vue中.

代码：
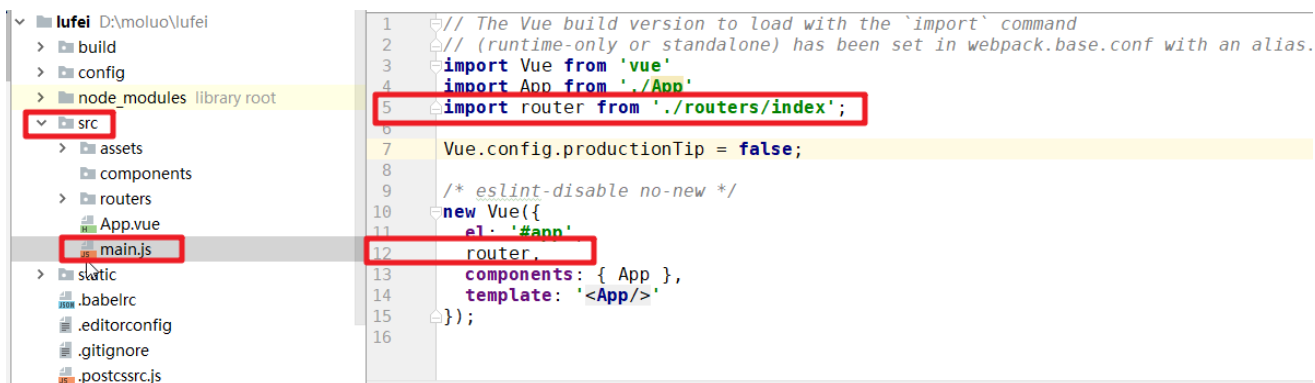
```javascript
// The Vue build version to load with the `import` command
// (runtime-only or standalone) has been set in webpack.base.conf with an alias.
import Vue from 'vue'
import App from './App'
import router from './routers/index';

Vue.config.productionTip = false

/* eslint-disable no-new */
new Vue({
  el: '#app',
  router,
  components: { App },
  template: '<App/>'
});
```

2.3.2.3 在视图中显示路由对应的内容

在App.vue组件中，添加显示路由对应的内容。

代码:
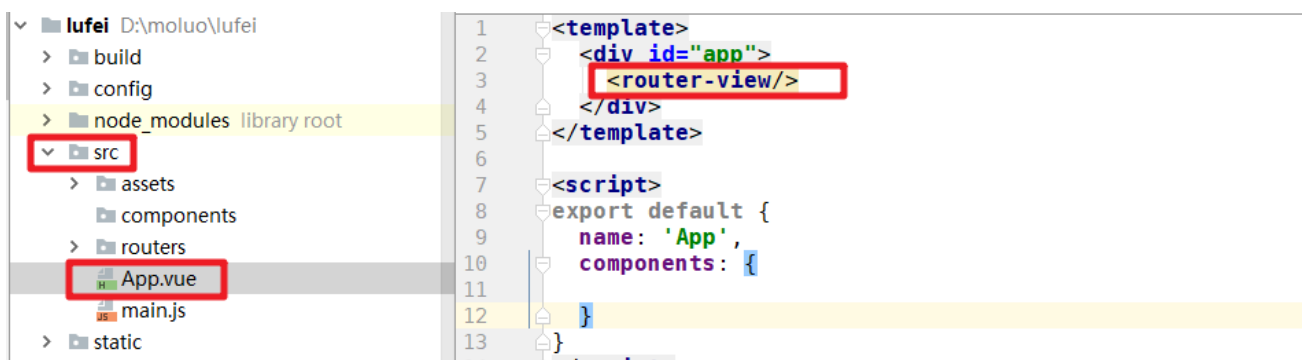
```
<template>
  <div id="app">
    <router-view/>
  </div>
</template>

<script>
export default {
  name: 'App',
  components: {

  }
}
</script>

<style>

</style>
```

3. 引入ElementUI

对于前端页面布局,我们可以使用一些开源的UI框架来配合开发,Vue开发前端项目中,比较常用的就是ElementUI了。

ElementUI是饿了么团队开发的一个UI组件框架,这个框架提前帮我们提供了很多已经写好的通用模块,我们可以在Vue项目中引入来使用,这个框架的使用类似于我们前面学习的bootstrap框架,也就是说,我们完全可以把官方文档中的组件代码拿来就用,有定制性的内容,可以直接通过样式进行覆盖修改就可以了。

中文官网:http://element-cn.eleme.io/#/zh-CN

文档快速入门:http://element-cn.eleme.io/#/zh-CN/component/quickstart
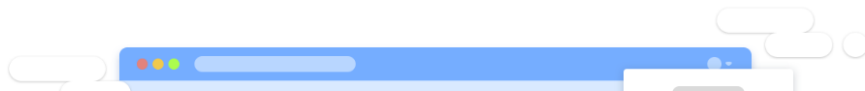
3.1 快速安装ElementUI

项目根目录执行以下命令:

```
npm i element-ui -S
```

上面的命令等同于 `npm install element-ui --save`

执行命令效果：

```
D:\moluo\lufei>npm i element-ui -S
npm WARN ajv-keywords@3.4.0 requires a peer of ajv@^6.9.1 but none is installed. You must install peer dependencies yourself.
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.7 (node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.7: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})

+ element-ui@2.6.1
added 6 packages from 6 contributors and audited 10667 packages in 74.595s
found 3 vulnerabilities (1 low, 1 moderate, 1 high)
  run `npm audit fix` to fix them, or `npm audit` for details
```

3.2 配置ElementUI到项目中

在main.js中导入ElementUI，并调用。

代码：

```
// elementUI 导入
import ElementUI from 'element-ui';
import 'element-ui/lib/theme-chalk/index.css';
// 调用插件
Vue.use(ElementUI);
```

效果：

成功引入了ElementUI以后，接下来我们就可以开始进入前端页面开发，首先是首页。

4. 首页

首页采用了上下页面布局，首页是导航栏、轮播图。。。脚部等几个小模块。所以我们可以把首页作为一个组件进行开发，然后把首页的这些小模块作为单独的组件来进行开发。

4.1 创建首页组件

代码:

```html
<template>

</template>

<script>
  export default {
    name: "Home",
    data(){
      return {

      };
    }
  }
</script>

<style scoped>

</style>
```

效果:
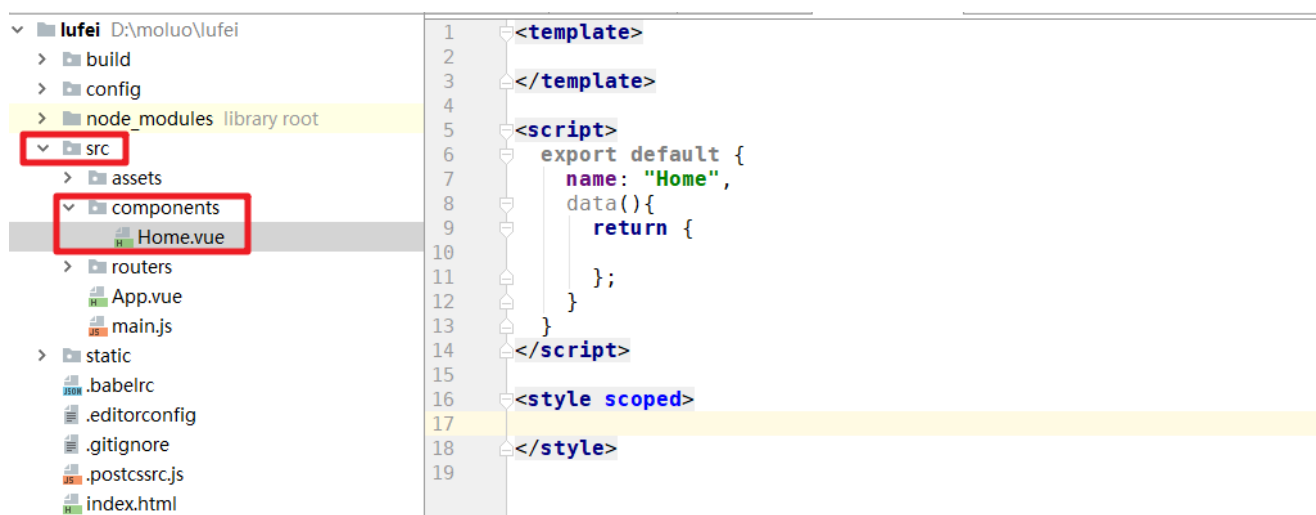
4.1.1 创建首页对应的路由

在routes/index.js中引入Home组件，并设置Home组件作为首页路由。

代码:

```javascript
import Vue from "vue"
import Router from "vue-router"

// 这里导入可以让让用户访问的组件
import Home from "@/components/Home";
```

```
Vue.use(Router);

export default new Router({
  // 设置路由模式为'history'，去掉默认的#
  mode: "history",
  routes:[
    // 路由列表
    {
      path: "/",
      name: "Home",
      component: Home,
    },
    {
      path: "/home",
      name: "Home",
      component:Home,
    }
  ]
})
```

效果：

4.2 开发导航子组件

经过前面的观察，可以发现导航不仅在首页出现，其他页面也有，所以对于这些不同页面中公共的内容，可以创建一个单独的组件目录存放。

代码:
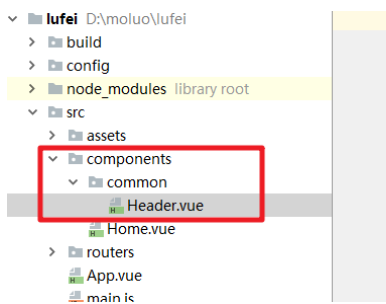
```
<template>

</template>

<script>
  export default {
    name: "Header",
    data(){
      return {

      };
    }
  }
</script>

<style scoped>

</style>
```

效果:

4.2.1 在首页引入导航组件

代码:

```
<template>
  <div class="home">
```

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

  <script>
    import Header from "./common/Header"
    export default {
      name: "Home",
      data(){
        return {

        };
      },
      components:{
        Header,
      }
    }
  </script>

  <style scoped>

  </style>
```

效果:
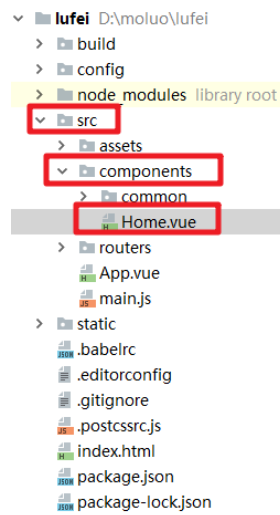
接下来，我们就可以在组件中参考ElementUI文档来进行样式开发了。

Header的子组件代码:

```
  <template>
```

```
<div class="header">
  <el-container>
    <el-header height="80px">
      <el-row>
        <el-col class="logo" :span="3">
          <img src="../../assets/head-logo.svg" alt="">
        </el-col>
        <el-col :span="16">
          <!-- gutter每一列之间的间隔空隙 -->
          <el-row class="nav" :gutter="20">
            <el-col :span="3">免费课</el-col>
            <el-col :span="3">轻课</el-col>
            <el-col :span="3">学位课</el-col>
            <el-col :span="3">题库</el-col>
            <el-col :span="3">教育</el-col>
          </el-row>
        </el-col>
        <el-col class="login-bar" :span="5">
          <div class="cart-ico">
            <b></b>
```

```
<img src="data:image/svg+xml;base64,PD94bWwgdmVyc2lvbj0iMS4wIiBlbmNvZGluZz0iVVRGLTgiPz4KPHN2ZyB3aWR0aD0iMjBweCIgaGVpZ2h0PSIxOHB4IiB2aWV3Qm94PSIwIDAgMjAgMTgiIHZlcnNpb249IjEuMSIgeG1sbnM9Imh0dHA6Ly93d3cudzMub3JnLzIwMDAvc3ZnIiB4bWxuczp4bGluaz0iaHR0cDovL3d3dy53My5vcmcvMTk5OS94bGluayI+CiAgICA8IS0tIEdlbmVyYXRvcjogU2tldGNoIDQ5LjMgKDUxMTY3KSAtIGh0dHA6Ly93d3cuYm9oZW1pYW5jb2RpbmcuY29tL3NrZXRjaCAtLT4KICAgIDx0aXRsZT7tt0K3nianovaY8L3RpdGxlPgogICAgPGGRlc2M+Q3JlYXRlZCB3aXRoIFNrZXRjaC48L2Rlc2M+CiAgICA8ZGVmcz48L2RlZnM+CiAgICA8ZyBpZD0i56ys5LqM54mIIiBzdHJva2U9Im5vbmUiIHN0cm9rZS13aWR0aD0iMSIgZmlsbD0ibm9uZSIgZmlsbC1ydWxlPSJldmVub2RkIj4KICAgICAgICA8ZyBpZD0iK++56iL6K+m5oOFIiB0cmFuc2Zvcm09InRyYW5zbGF0ZSgtMTUxOS4wMDAwMDAsIC00MjIuMDAwMDAwKSIgZmlsbD0iIzRhNGE0YSIgZmlsbC1ydWxlPSJub256ZXJvIj4KICAgICAgICAgICAgPHBhdGggZD0iTTE1MjUuNzEwMzUsNDM2LjI2IEMxNTI1Ljk2NzE0LDQzNi4yNjcgNTI2LjIxMDQyLDQzNi4zMjI0LDQzNi4yNzcgMTUyNi40NDA4OCw0MzYuNCBDMTUyNi42Njk5NCw0MzYuNDkzMzMgMTUyNi44OTcsNDM2LjYyMzMzMyAxNTI3LjA0ODM3LDQzNi43OThDMTUyNy40NjA0Myw0MzcuMjcyNjY3IDE1MjcuNTk4Nzk0LDQzNy4xMzMzMzMgMTUyNy41NDgwMyw0MzguMXwxNTI3LjU5NTc0LDQzOC4zIEMxNTI3LjU5NTc0LDQzOC4zZTMzMzMgMTUyNy41NDgwMyw0MzguNTkzMzMzIDE1MjUuNDUyODISNDg4LjgyIEMxNTI3LjM1OTIyLDQzOS44NDY2NjcgMTUyNy4zOTIyMCB30Mzku
```

TM2LjUzMjczLDQzNS4yMzY2NjcgMTUzNi40MDQzNCw0MzUuNDMgQzE1MzYuMjc1OTQsNDM1LjYyMzMzMyAxNTM2LjAyMjUzLDQzNS43MiAxNTM1LjY0NDEsNDM1LjcyIEwxNTM0LjY3MSw0MzUuNzIgTDE1MzIuNzg1NjEsNDM1LjcyIEwxNTMwLjQ1NDIyLDQzNS43MiBMMTUyOC4wODIyOSw0MzUuNzIgTDE1MjYuMTM2MDgsNDM1LjcyIEwxNTI1LjAyMTA3LDQzNS43MiBDMTUyNC43NTA3Niw0MzUuNzIgMTUyNC41MjQzOCw0MzUuNjYgMTUyNC4zNDE5Myw0MzUuNTQgQzE1MjQuMTU5NDcsNDM1LjQyIDE1MjQuMDA3NDIsNDM1LjI2MzMzMyAxNTIzLjg4NTc4LDQzNS4wNyBDMTUyMy43NjYxNSw0MzQuODc2NjY3IDE1MjMuMjUyNjNjY2TYgNDM0LjY2NjY2NyAxNTIzLjU5MTgzLDQzNC40ODCBDMTUyMy4xMTc0OTiw0MzUuNzIgMTUyNC40MTc0OSw0MzUuNzIgQzE1MjQuMjEzMzMzIDE1MjMuNDYwMDUsNDM0IDE1MjMuNDE5NTEsNDMzLjgg0CBDMTUyMS4wNDE5NSwNDMzLjcyIDE1MjMuMzY4ODIsNDMzLjUyNjY2NyAxNTIzLjMwOCw0MzMuMjIgQzE1MjMuMjQ3MTksNDMyLjkxMzMzMyAxNTIzLjE3Mjg1LDQzMi41MYAxNTIzLjA4NSw0MzIuMDcgQzE1MjIuOTk3MTUsNDMxLjYxIDE1MjIuODk5MTcsNDMxLjA5NjY2NyAxNTIyLjc5MTA0LDQzMC41MyBDMTUyMi42ODI5Miw0MjkuOTYzMzMzIDE1MjIuNTQ0OCw0MjkuMzkzMzMzIDE1MjIuNDY2NjgsNDI4LjgyIEMxNTIyLjIIwOTg5LDQyNy40NzMzMzMgMTUyMS45NTkzMSAw0MjQuOTczMzMzIDE1MjEuNTk0OTQsNDI0LjMyIEwxNTIwLjA3NDQ3LDQyNC4zMiBDMTUxOS44NzE3NCw0MjQuMzIgMTUxOS43MDI4LDQyNC4yNyAxNTE5LjU2NzY0LDQyNC4xNyBDMTUxOS40MzI0OSw0MjQuMDcgMTUxOS40MzI0OSw0MjMuMDI4LDQyNC4yNyAxNTE5LjU2NzY0LDQyNC4xNyBDMTUxOS40MDMNCw0MjIuMDgyINE1MTkuMTQ1MjksNDIzLjY3IDE1MTkuMDg0NDcsNDIzLjUyIDE1MTkuMDUwNjgsNDIzLjM2IEMxNTE5LjAxNjg5LDQyMy4yIDE1MTkuMDA1MzMzMyAxNTE5LDQyMi45NiBDMTUxOS0wNjIuNjUzMzMzIDE1MTkuMDkxMjMsNDIyLjQzMzMzMyAxNTE5LjI3MzY4LDQyMi4yNiBDMTUxOS40NTYxNCw0MjIuMDg2N jY3IDE1MTkuNzAyOCw0MjIgMTUyMC4wMTM2NSw0MjIgTDE1MjAuNDU5NjUsNDIyIEwxNTIwLjg2NTExLDQyMiBMMTUyMy4zNzE5NCw0MjIgTDE1MjIuMDYxMjIsNDIyIEwxNTIyLjMzMTUyLDQyMi4xNTIyLjU0Nzc3LDQyMi4wNCAxNTIyLjcwOTk1LDQyMi4xMiBDMTUyMi44NzIxNCw0MjIuMiAxNTIyLjAwMDUzLDQyMi4zIDE1MjMuMDk1MTQsNDIyLjQyIEMxNTIzLjE4OTc1LDQyMi41NCAxNTIzLjI1NzMyLDQyMi42NjY2NjcgMTUyMy44yOTc4Nyw0MjIuOCBDMTUyMy4zMzg0MSw0MjIuOTMzMzMzIDE1MjMuMzcyMiw0MjMuMDQ2NjY3IDE1MjMuMzk5MjMsNDIzLjEOIEMxNTIzLjQyNjI2LDQyMy4yNDY2NjcgMTUyMy40NTMyOSw0MjIuMzMzIE1MjMuNDgwMzIsNDIzLjU5IEMxNTIzLjU0Nzc3LDQyMi4wNCAxNTIyLjcwOTk1LDQyMi4xMiBDMTUyMi44NzIxNCw0MjIuMiAxNTIyLjAwMDUzLDQyMi4zIDE1MjMuMDk1MTQsNDI IyLjQyIEMxNTIzLjE4OTc1LDQyMi41NCAxNTIzLjI2NjY2NjcgMTUyMy4yOTc4Nyw0MjIuOCBDMTUyMy4zMzg0MSw0MjIuOTMzMzMzIDE1MjMuMzcyMiw0MjMuMDQ2NjY3IDE1MjMuMzk5MjMsNDIzLjEOIEMxNTIzLjU4NzY2LDQyMy4yNDY2NjcgMTUyMy40NTMyOSw0MjIuMzMzIDE1MjMuNDgwMzIsNDIzLjU5IEMxNTIzLjU wNzM1LDQyMy43ODMzMzMgMTUyMy41MzQzOSw0MjIuOTggMTUyMy41NjE0Miw0MjIuMTgyQzE1MjMuNjAxOTYsNDIOLjYIDE1MjIuNjQyNTEsNDIOLjY3MzMzMyAxNTIzLjY4MzA1LDQyNC45NCBMMTUzNy41NDk3Niw0MjQuOTQgw GiIgawQ9Iui0reeJqei9piI+PC9wYXRoPgogICAgICAgIDwvZz4KICAgIDwvZz4KPC9zdmc+Cg==" alt="">
                  购物车
                </div>
                <div class="study">学习中心</div>
                <!--<el-menu :default-active="activeIndex" class="el-menu-demo"
mode="horizontal" @select="handleSelect">-->
                    <!--<el-submenu index="1">-->
                        <!--<template slot="title"><div class="member"><img
src="../../assets/logo@2x.png" alt=""></div></template>-->
                        <!--<el-submenu index="1-1">-->
                            <!--<template slot="title" index="1-1-1">我的账户</template>-->
                            <!--<template slot="title" index="1-1-2">我的订单</template>-->
                            <!--<template slot="title" index="1-1-3">我的优惠卷</template>-->
                        <!--</el-submenu>-->
                    <!--</el-submenu>-->
                <!--</el-menu>-->
                <div class="member"><img src="../../assets/logo@2x.png" alt=""></div>
            </el-col>
        </el-row>
      </el-header>
    </el-container>
  </div>
</template>

<script>
  export default {
    name:"Header",
    data(){
      return {
```

```
        }
      }
    }
</script>

<style scoped>
.header{
    width: 100%;
    height: 80px;
    background: #fff;
    position: fixed;
    left: 0;
    top: 0;
    margin: 0 auto;
    z-index: 7;
    text-overflow: ellipsis;
    white-space: nowrap;
    box-shadow: 0 0.5px 0.5px 0 #c9c9c9;
}
.el-container{
  width: 1200px;
  margin: 0 auto;
}
.el-header{
  padding: 0;
}
.el-row,.el-col{
  height: 80px;
}
.logo,.nav{
    line-height: 80px;
}
.logo img{
  vertical-align: middle; /* 设置图片垂直居中 */
}
.nav,.study{
  text-align: center;
  color: #4a4a4a;
}
.nav .el-col:hover,.study:hover{
  color: #000000;
}
.login-bar{
  display: flex;
  align-items: center;
}
.cart-ico{
    width: 88px;
    height: 28px;
    margin-right: 20px;
    background: #f7f7f7;
    border-radius: 17px;
```

```css
    display: flex;
    align-items: center;
    justify-content: space-around;
    cursor: pointer;
    position: relative;
    font-size: 14px;
}
.cart-ico b{
    width: 16px;
    height: 16px;
    line-height: 17px;
    font-size: 12px;
    color: #fff;
    text-align: center;
    background: #fa6240;
    border-radius: 50%;
    transform: scale(.8);
    position: absolute;
    left: 16px;
    top: -1px;
}
.cart-ico img{
    width: 15px;
    height: auto;
    margin-left: 6px;
}
.cart-ico span{
    margin-right: 6px;
}
.study{
    padding-left: 0;
    font-family: PingFangSC-Regular;
    letter-spacing: 0;
    margin-right: 20px;
    font-size: 15px;
    cursor: pointer;
}
.member img{
    width: 26px;
    height: 26px;
    border-radius: 50%;
    display: inline-block;
    cursor: pointer;
    vertical-align: middle;
}
.member img:hover{
    border: 1px solid rgb(255, 194, 16);
}

</style>
```

Home组件中引入使用Header子组件，代码无需改变，直接访问效果：

4.3 开发轮播图子组件

4.3.1 创建Banner组件文件

###

代码:

```html
<template>
  <div class="banner">

  </div>
</template>

<script>
  export default {
    name:"Banner",
    data(){
      return {};
    }
  }
</script>

<style scoped>

</style>
```

```
1  <template>
2    <div class="banner">
3
4    </div>
5  </template>
6
7  <script>
8    export default {
9      name:"Banner",
10     data(){
11       return {};
12     }
13   }
14  </script>
15
16  <style scoped>
17
18  </style>
```
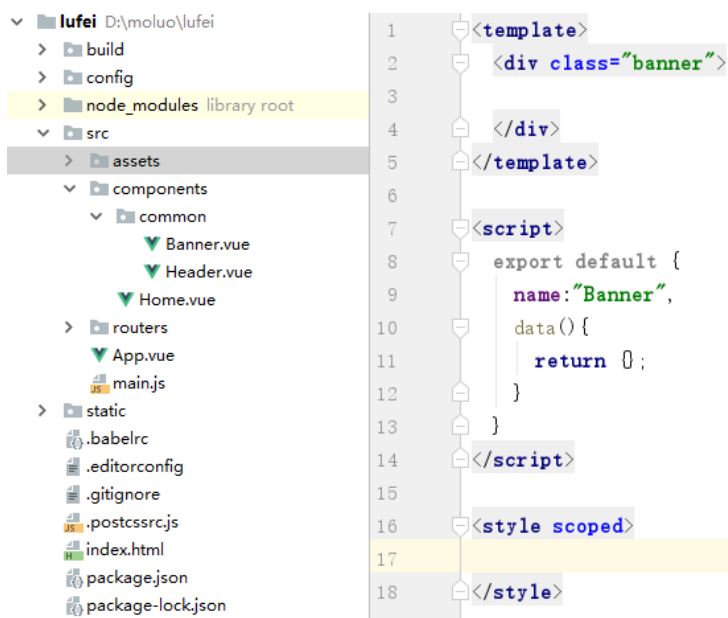
4.3.1 在Home组件中引入Banner子组件

```
<template>
  <div class="home">
    <Header/>
    <Banner/>
  </div>
</template>

<script>
  import Header from "./common/Header"
  import Banner from "./common/Banner"
  export default{
    name:"Home",
    data(){
      return {};
    },
    components:{
      Header,
      Banner,
    }
  }
</script>

<style scoped>
.home{
  padding-top: 80px;
}
</style>
```

效果：

接下来，在ElementUI中有对应的轮播图[跑马灯]效果，可以直接提取过来使用。

注意，图片需要保存到static目录下。
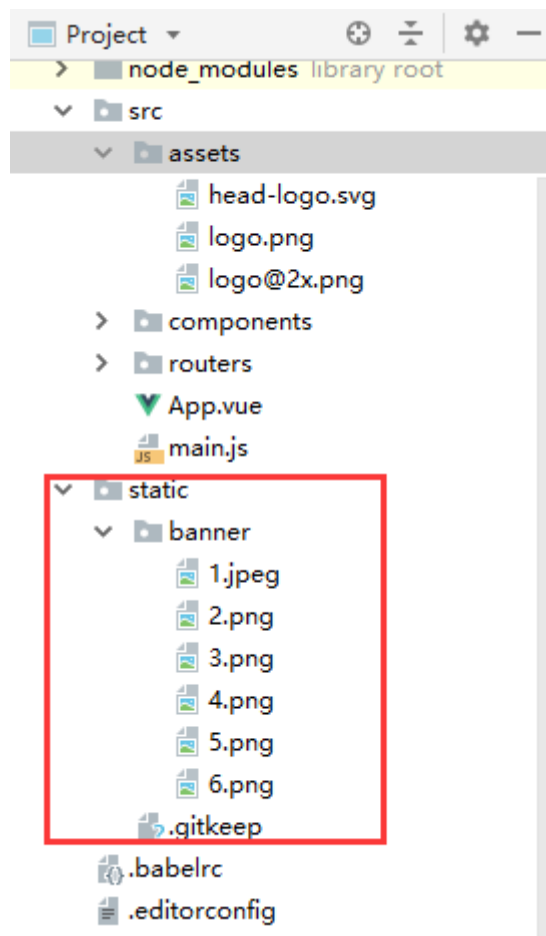
对于图片的使用，如果是vue代码中直接要使用的图片，可以保存哎accets目录下，如果是第三方插件要使用到的图片，需要保存在static目录下。其实本质上来说，所有的图片都是保存在static目录下的，而accets目录下的内容，最终被vue解析成地址的时候,也是在static目录的.

Banner.vue组件,代码:

```html
<template>
  <div class="banner">
      <el-carousel trigger="click" height="506px">
      <el-carousel-item v-for="item in banner_list">
        <img :src="item" alt="">
      </el-carousel-item>
    </el-carousel>
  </div>
</template>

<script>
  export default {
    name:"Banner",
    data(){
      return {
        banner_list:[
          "/static/banner/1.jpeg",
          "/static/banner/2.png",
          "/static/banner/3.png",
          "/static/banner/4.png",
          "/static/banner/5.png",
          "/static/banner/6.png",
        ]
      };
    }
  }
</script>

<style scoped>
.banner img{
  width: 100%;
}
</style>
```

效果:

4.4. 完善页面头部头像的下拉菜单效果

Header组件，代码：

```
<template>
  <div class="header">
    <el-container>
      <el-header height="80px">
        <el-row>
          <el-col class="logo" :span="3">
            <img src="../../assets/head-logo.svg" alt="">
          </el-col>
          <el-col :span="16">
            <!-- gutter每一列之间的间隔空隙 -->
            <el-row class="nav" :gutter="20">
              <el-col :span="3">免费课</el-col>
              <el-col :span="3">轻课</el-col>
              <el-col :span="3">学位课</el-col>
              <el-col :span="3">题库</el-col>
              <el-col :span="3">教育</el-col>
            </el-row>
          </el-col>
          <el-col class="login-bar" :span="5">
            <div class="cart-ico">
              <b></b>
```

```
<img src="data:image/svg+xml;base64,PD94bWwgdmVyc2lvbj0iMS4wIiBlbmNvZGluZz0iVVRGLTgiPz4KPHN2ZyB3aWR0aD0iMjBweCIgaGVpZ2h0PSIxOHB4IiB2aWV3Qm94PSIwIDAgMjAgMTgiIHZlcnNpb249IjEuMSIgeG1sbnM9Imh0dHA6Ly93d3cudzMub3JnLzIwMDAvc3ZnIiB4bWxuczp4bGluaz0iaHR0cDovL3d3dy53My5vcmcvMTk5OS94bGluayI+CiAgICA8IS0tIEdlbmVyYXRvcjogU2tldGNoIDQ5LjMgKDUxMTY3KSAtIGh0dHA6Ly93d3cuYm9oZW1pYW5jb2RpbmcuY29tL3NrZXRjaCAtLT4KICAgIDx0aXRsZT7otKt6nianovaY8L3RpdGxlPgogICAgPGRlc2M+Q3JlYXRlZCB3aXRoIFNrZXRjaC48L2Rlc2M+CiAgICA8ZGVmcz48L2RlZnM+CiAgICA8ZyBpZD0i56ys5LqM54mIIiBzdHJva2U9Im5vbmUiIHN0cm9rZS13aWR0aD0iMSIgZmlsbD0ibm9uZSIgZmlsbC1ydWxlPSJldmVub2RkIj4KICAgICAgICA8ZyBpZD0iK++56iL6K+m5oOFIiB0cmFuc2Zvcm09InRyYW5zbGF0ZSgtMTUxOS4wMDAwMDAsIC00MjIuMDAwMDAwKSIgZmlsbD0iIzRhNGE0YSIgZmlsbC1ydWxlPSJub256ZXJvIj4KICAgICAgICAgICAgPHBhdGggZD0iTTE1MjUuNzEwMzUsNDM2LjI2IEMxNTI1Ljk2NzE0LDQzNi4yNyAxNTI2LjIxMDQyLDQzNi4zMDY2MDY2NjY3IEMxNTI2LjI3ODk4Nzc1OCA0NDAxOCw0MzYuMzUyNjgzMzMzMyBDMTUyNi42Njk5NSw0MzYuNDkzMzMzMzMgMTUyNi43NTQ4MzMzMyw0MzYuODcyNjcsNDM2LjYzMzMzMyAxNTI3LjA0ODM3LDQzNi43OTgzQzE1MjcuNDU4MzMw0MzcuNjU5MjQyNjY3IDE1MjcuNTE5MzgyLDQzNy41MzMzMzMgMTUyNy41NDg0Mzgw0MzguNTkzMzMzMjINTI3LjU5NTc0LDQzOC4xIEM1MTI3LjU5NTc0LDQzOC4zNTMzMzMgMTUyNy41NDg0Mzgw0MzguNTkzMzMzIDE1MjcuNDEyOTIsNDOS44NDY2NjcgMTUyNy40YTJQwNiw0MzkuOjIzMzMzIDE1MjcuMDQ4Mz
```

TM2LjUzMjczLDQzNS4yMzY2NjcgMTUzNi40MDQzNCw0MzUuNDMgQzE1MzYuMjc1OTQsNDM1LjYyMzMzMyAxNTM2
LjAyMjUzLDQzNS43MiAxNTM1LjY0NDEsNDM1LjcyIEwxNTM0LjY3MSw0MzUuNzIgTDE1MzIuNzg1NjEsNDM1Ljc
yIEwxNTMwLjQ1NDIyLDQzNS43MiBMMTUyOC4wODIyOSw0MzUuNzIgTDE1MjYuMTM2MDgsNDM1LjcyIEwxNTI1Lj
AyMTA3LDQzNS43MiBDMTUyNC43NTA3Niw0MzUuNzIgMTUyNC41MjQzOCw0MzUuNjYgMTUyNC43zNDE5Myw0MzUuN
TQgQzE1MjQuMTU5NDcsNDM1LjQyIDE1MjQuMDA3NDIsNDM1LjI2MzMzMyAxNTIzLjg4NTc4LDQzNS4wNSBDMTUy
My43NjQxNSw0MzQuODc2NjY3IDE1MjMuNjY2MTYSNDM0LjY2NjY2NyAxNTIzLjU5MTgzLDQzNC40NCBDMTUyMy4
1MTc0OSw0MzQuMjEzMzMzIDE1MjMuNDYwMDUsNDM0IDE1MjMuNDE5NTEsNDMzLjggQzE1MjMuNDA1OTksNDMzLj
cyIDE1MjMuMzY4ODgsNDMzLjUyNjY2NyAxNTIzLjMwOCw0MzMuMjIgQzE1MjMuMjQ3MTksNDMyLjkxMzMzMyAxN
TIzLjE3Mjg1LDQzMi41MyAxNTIzLjA4NSw0MzIuMDCgQzE1MjIuOTk3MTUsNDMxLjYxIDE1MjIuODk5MTcsNDMx
LjA5NjY2NyAxNTIyLjc5MTA0LDQzMC41MyBDMTUyMi42ODI5Miw0MjkuOTYzMzMzIDE1MjIuNTc0OCw0MjkuMzk
zMzMzIDE1MjIuNDY2NjgsNDI4LjgyIEMxNTIyLjIwOTg5LDQyNy40NzMzMzMgMTUyMS45MTkzMSw0MjUuOTczMz
MzIDE1MjEuNTk0OTQsNDI0LjMyIEwxNTIwLjA3NDQ3LDQyNC4zMiBDMTUxOS44NzE3NCw0MjQuMzIgMTUxOS43M
DI4LDQyNC4yNyAxNTE5LjU2NzY0LDQyNC4xNyBDMTUxOS40MzI0OSw0MjQuMDcgMTUxOS4zMjA5OSw0MjQuOTUg
MTUxOS4yMzMxNCw0MjQuODEgQzE1MTkuMTQ1MjksNDIzLjY3IDE1MTkuMDg0NDcsNDIzLjUyIDE1MTkuMDUwNjg
sNDIzLjM2IEMxNTE5LjAxNjg5LDQyMy4yIDE1MTksNDIzLjA1MzMzMyAxNTE5LDQyMi45NiBDMTUxOS05OiIuNj
UzMzMzIDE1MTkuMDkxMjMsNDIyLjQzMzMzMyAxNTE5LjI3MzY4LDQyMi4yNiBDMTUxOS40NTYxNCw0MjIuMDg2N
jY3IDE1MTkuNzAyOCw0MjIgMTUyMC4wMTM2NSw0MjIgTDE1MjAuNDU5NjUsNDIyIEwxNTIwLjg2NTExLDQyMiBM
MTUyMS4zNzE5NCw0MjIgTDE1MjIuMDYxMjIsNDIyIEMxNTIyLjMzMTUyLDQyMiAxNTIyLjU0Nzc3LDQyMi4wNCA
xNTIyLjcwOTk1LDQyMi4xMiBDMTUyMi44NzIxNCw0MjIuMiAxNTIzLjAwMDUzLDQyMi4zIDE1MjMuMDk1MTQsND
IyLjQyIEMxNTIzLjE4OTc1LDQyMi41NCAxNTIzLjI1NzMyLDQyMi42NjY2NjcgMTUyMy4yOTc4Nyw0MjIuOCBDM
TUyMy4zMzg0MSw0MjIuOTMzMzMzIDE1MjMuMzcyIiw0MjMuMDQ2NjY3IDE1MjMuMzk5MjMsNDIzLjE0IEMxNTIz
LjQyNjI2LDQyMy4yNDY2NjcgMTUyMy40NTMyOSw0MjIuMzk2NjY3IDE1MjMuNDgwMzIsNDIzLjU5IEMxNTIzLjU
wNzM1LDQyMy43ODMzMzMgMTUyMy41MzQzOSw0MjIuOTggMTUyMy41NjE0Miw0MjIuOTggQzE1MjMuNjAxOTYsND
IOLjQyIDE1MjMuNjQyNTEsNDIOLjY3MzMzMyAxNTIzLjY4MzA1LDQyNC45NCBMMTUzNy41NDk3Niw0MjQuOTQgw
iIgaWQ9Iui0reeJqei9piI+PC9wYXRoPgogICAgICAgIDwvZz4KICAgIDwvZz4KPC9zdmc+Cg=="alt="">
                    购物车
                </div>
                <div class="study">学习中心</div>
                <div class="member">
                  <el-dropdown>

                        <img src="../../assets/logo@2x.png" alt="">

                      <el-dropdown-menu slot="dropdown">
                        <el-dropdown-item>我的账户 <i class="el-icon-arrow-right"></i></el-
dropdown-item>
                        <el-dropdown-item>我的账户 <i class="el-icon-arrow-right"></i></el-
dropdown-item>
                        <el-dropdown-item>我的账户 <i class="el-icon-arrow-right"></i></el-
dropdown-item>
                        <el-dropdown-item>我的账户 <i class="el-icon-arrow-right"></i></el-
dropdown-item>
                      </el-dropdown-menu>
                  </el-dropdown>
                </div>
            </el-col>
          </el-row>
      </el-header>
    </el-container>
  </div>
</template>

<script>

```
    export default {
      name:"Header",
      data(){
        return {


        }
      }
    }
</script>

<style scoped>
.header{
    width: 100%;
    height: 80px;
    background: #fff;
    position: fixed;
    left: 0;
    top: 0;
    margin: 0 auto;
    z-index: 7;
    text-overflow: ellipsis;
    white-space: nowrap;
    box-shadow: 0 0.5px 0.5px 0 #c9c9c9;
}
.el-container{
  width: 1200px;
  margin: 0 auto;
}
.el-header{
  padding: 0;
}
.el-row,.el-col{
  height: 80px;
}
.logo,.nav{
    line-height: 80px;
}
.logo img{
   vertical-align: middle; /* 设置图片垂直居中 */
}
.nav,.study{
  text-align: center;
  color: #4a4a4a;
}
.nav .el-col:hover,.study:hover{
  color: #000000;
}
.login-bar{
  display: flex;
  align-items: center;
}
.cart-ico{
    width: 88px;
```

```css
    height: 28px;
    margin-right: 20px;
    background: #f7f7f7;
    border-radius: 17px;
    display: flex;
    align-items: center;
    justify-content: space-around;
    cursor: pointer;
    position: relative;
    font-size: 14px;
}
.cart-ico b{
    width: 16px;
    height: 16px;
    line-height: 17px;
    font-size: 12px;
    color: #fff;
    text-align: center;
    background: #fa6240;
    border-radius: 50%;
    transform: scale(.8);
    position: absolute;
    left: 16px;
    top: -1px;
}
.cart-ico img{
    width: 15px;
    height: auto;
    margin-left: 6px;
}
.cart-ico span{
    margin-right: 6px;
}
.study{
    padding-left: 0;
    font-family: PingFangSC-Regular;
    letter-spacing: 0;
    margin-right: 20px;
    font-size: 15px;
    cursor: pointer;
}
.member img{
    width: 26px;
    height: 26px;
    border-radius: 50%;
    display: inline-block;
    cursor: pointer;
    vertical-align: middle;
}
.member img:hover{
    border: 1px solid rgb(255, 194, 16);
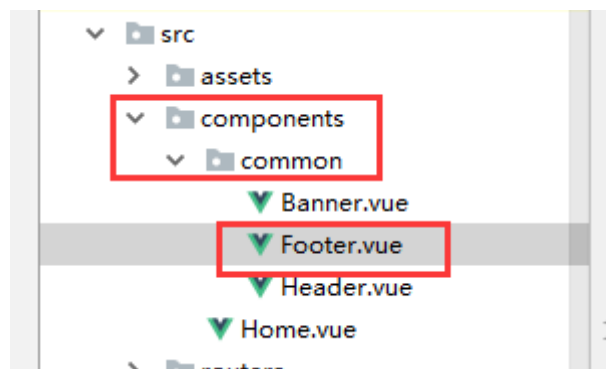}
.el-dropdown-menu{
```

```
    left: 1130px!important;
    width: 180px;
    top: 64px!important;
  }
  .el-dropdown-menu i{
    float:right;
    line-height: 36px;
  }
</style>
```

效果:
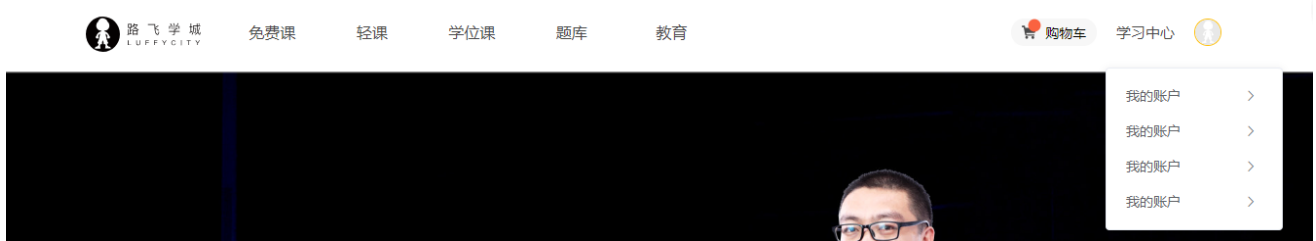
4.5 页面脚部

4.5.1 创建脚部组件文件

代码:

```
<template>
  <el-container>

  </el-container>
</template>

<script>
  export default {
    name:"Footer",
    data(){
      return {}
    }
  }
</script>
```

```
<style scoped>

</style>
```

4.5.2 在Home组件中引入Footer组件

Home组件代码:

```
<template>
  <div class="home">
    <Header/>
    <Banner/>
    <Footer/>
  </div>
</template>

<script>
  import Header from "./common/Header"
  import Banner from "./common/Banner"
  import Footer from "./common/Footer"
  export default{
    name:"Home",
    data(){
      return {};
    },
    components:{
      Header,
      Banner,
      Footer,
    }
  }
</script>

<style scoped>
.home{
  padding-top: 80px;
}
</style>
```

效果:

首页基本结构我们已经完成了，但是我们开始新的页面出现之前，我们需要把链接补充上，其中最重要的是导航的。

```html
<template>
  <div class="header">
    <el-container>
      <el-header height="80px">
        <el-row>
          <el-col class="logo" :span="3">
            <router-link to="/"><img src="../../assets/head-logo.svg" alt=""></router-link>
          </el-col>
          <el-col :span="16">
            <!-- gutter每一列之间的间隔空隙 -->
            <el-row class="nav" :gutter="20">
              <el-col :span="3"><router-link to="/courses">免费课</router-link></el-col>
                .....
```

效果:

接下来,我们就可以创建免费课的组件.

5. 免费课

在组件目录components下创建Couses.vue组件文件,代码如下:

```vue
<template>
  <div class="courses">

  </div>
</template>

<script>
  export default {
    name:"Courses",
    data(){
      return {


      }
    }
  }
</script>



<style scoped>

</style>
```

5.1 在routers/index.js路由中注册路由

```javascript
import Vue from "vue"
import Router from "vue-router"

// 导入可以被用户访问的组件
import Home from "@/components/Home"
import Courses from "@/components/Courses"
```

```javascript
Vue.use(Router);

export default new Router({
  mode: "history",
  routes:[
    // 路由列表
    {
      path: "/",
      name: "Home",
      component:Home,
    },
    {
      path: "/home",
      name: "Home",
      component:Home,
    },
    {
      path: "/courses",
      name: "Courses",
      component:Courses,
    },

  ]
})
```