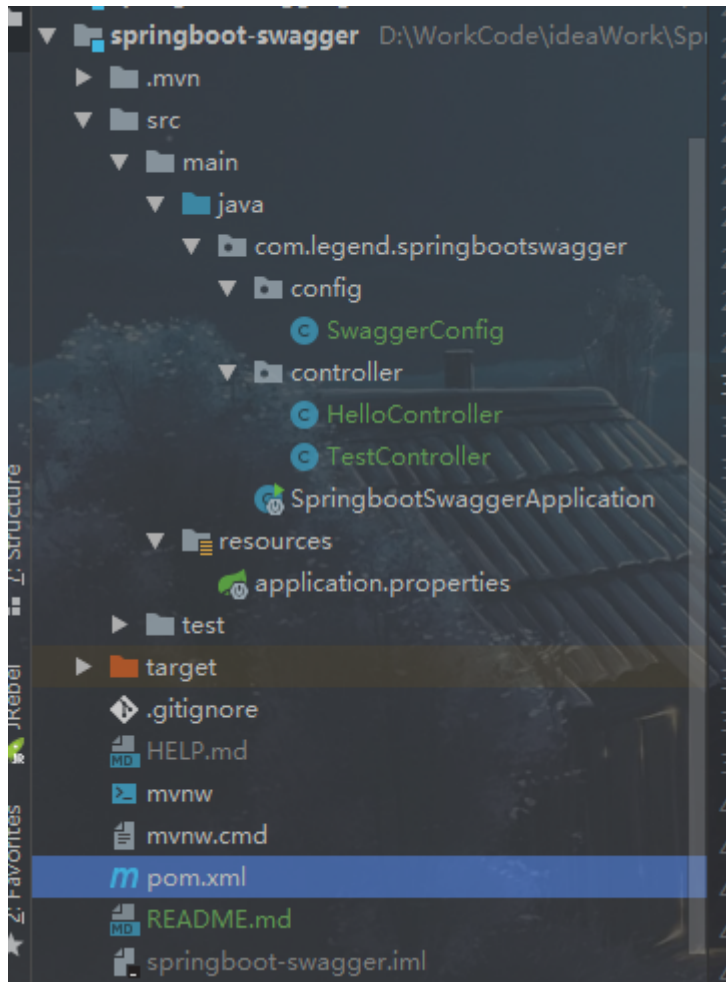


SpringBoot整合Swagger 界面查看 Restful API

swagger提供了html页面方便查看restful的api接口，以及测试功能，这样方便后期版本更新时的文档与代码的同步。

项目整体目录结构



整合过程

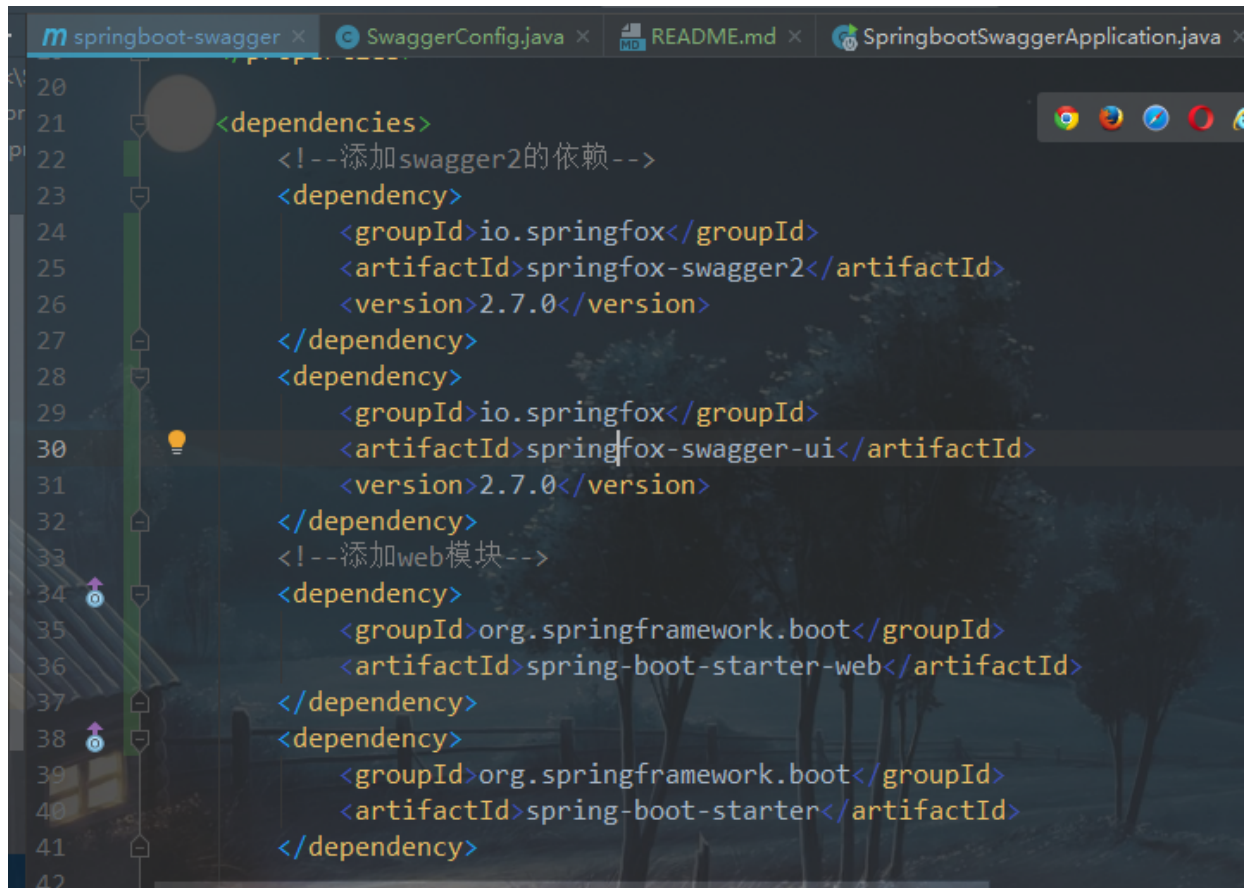
添加Swagger2依赖

```
<!--添加swagger2的依赖-->
<dependency>
    <groupId>io.springfox</groupId>
    <artifactId>springfox-swagger2</artifactId>
    <version>2.7.0</version>
</dependency>
<dependency>
    <groupId>io.springfox</groupId>
```

```

        <artifactId>springfox-swagger-ui</artifactId>
        <version>2.7.0</version>
    </dependency>
    <!--添加web模块-->
    <dependency>
        <groupId>org.springframework.boot</groupId>
        <artifactId>spring-boot-starter-web</artifactId>
    </dependency>

```



编写Swagger配置类

```

package com.legend.springbootswagger.config;

import org.springframework.context.annotation.Bean;
import org.springframework.context.annotation.Configuration;
import springfox.documentation.builders.ApiInfoBuilder;
import springfox.documentation.builders.PathSelectors;
import springfox.documentation.builders.RequestHandlerSelectors;
import springfox.documentation.service.ApiInfo;
import springfox.documentation.service.Contact;
import springfox.documentation.service.Tag;
import springfox.documentation.spi.DocumentationType;
import springfox.documentation.spring.web.plugins.Docket;
import springfox.documentation.swagger2.annotations.EnableSwagger2;

/**
 * Swagger2配置类

```

```

    */
@Configuration
@EnableSwagger2
public class SwaggerConfig {

    @Bean
    public Docket createRestApi() {
        return new Docket(DocumentationType.SWAGGER_2)
            .tags(new Tag("HelloController",
                "第一个Controller"),getTags())
            .apiInfo(apiInfo())
            .select()
            .apis(RequestHandlerSelectors.basePackage("'" +
                "com.legend.springbootswagger"))
            .paths(PathSelectors.any()).build();
    }

    private Tag[] getTags() {
        Tag[] tags = {
            new Tag("HelloController","" +
                "第一个Controller")
            ,new Tag("TestController","" +
                "第二个Controller")
        };
        return tags;
    }

    //设置API展示信息
    private ApiInfo apiInfo() {
        return new ApiInfoBuilder().title("Swagger RESTful APIs")
            .description("Swagger API 服务")
            .termsOfServiceUrl("http://swagger.io/")
            .contact(new Contact("legend",
                "xiaoqi.cr.cx", "737795279@qq.com"))
            .version("1.0")
            .license( "The Apache License, Version 2.0" )
            .licenseUrl( "http://www.apache.org/licenses" +
                "/LICENSE-2.0.html" )
            .build();
    }

}

```

```
15  /**
16   * Swagger2配置类
17   */
18  @Configuration
19  @EnableSwagger2
20  public class SwaggerConfig {
21
22      @Bean
23      public Docket createRestApi() {
24          return new Docket(DocumentationType.SWAGGER_2)
25              .tags(new Tag( name: "HelloController",
26                           description: "第一个Controller"),getTags()) Docket
27              .apiInfo(apiInfo()) Docket |
28              .select() ApiSelectorBuilder
29              .apis(RequestHandlerSelectors.basePackage(" " +
30                "com.legend.springbootswagger")) ApiSelectorBuilder
31              .paths(PathSelectors.any()).build();
32      }
33
34      private Tag[] getTags() {
35          Tag[] tags = {
36              new Tag( name: "HelloController", description: " " +
37                     "第一个Controller")
38              ,new Tag( name: "TestController", description: " " +
39                     "第二个Controller")
40          }
41      }
42  }
```

改成自己控制类的包名

用@Configuration注解类，等于XML中配置beans；用@Bean标注方法等于XML中配置bean,@EnableSwagger2注解类表示启用swagger。

编写测试接口

```
7  import org.springframework.web.bind.annotation.RestController;
8
9  @RestController
10  @Api(tags = "HelloController")
11  public class HelloController {
12
13      @RequestMapping(value = "/hello",method = RequestMethod.POST)
14      @ApiOperation(value = "Mysql导出数据",notes = "mysql导出数据")
15      public String test(){
16          System.out.println("dddddd");
17          return "1234";
18      }
19  }
```

tags的配置是根据Controller中的@Api的注解

测试

Swagger RESTful APIs

Swagger API 服务

Created by legend
See more at [xiaojl.cr.cx](#)
[Contact the developer](#)
[The Apache License, Version 2.0](#)

HelloController : 第一个Controller		Show/Hide	List Operations	Expand Operations
POST	/hello	Mysql导出数据		
TestController : 第二个Controller		Show/Hide	List Operations	Expand Operations
POST	/test	测试2Mysql导出数据		

[BASE URL: / , API VERSION: 1.0]

HelloController : 第一个Controller

Show/Hide | List Operations | Expand Operations

POST /hello Mysql导出数据

Implementation Notes

mysql导出数据

Response Class (Status 200)

string

Response Content Type */* ▼

Response Messages

HTTP Status Code	Reason	Response Model	Headers
201	Created		
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!