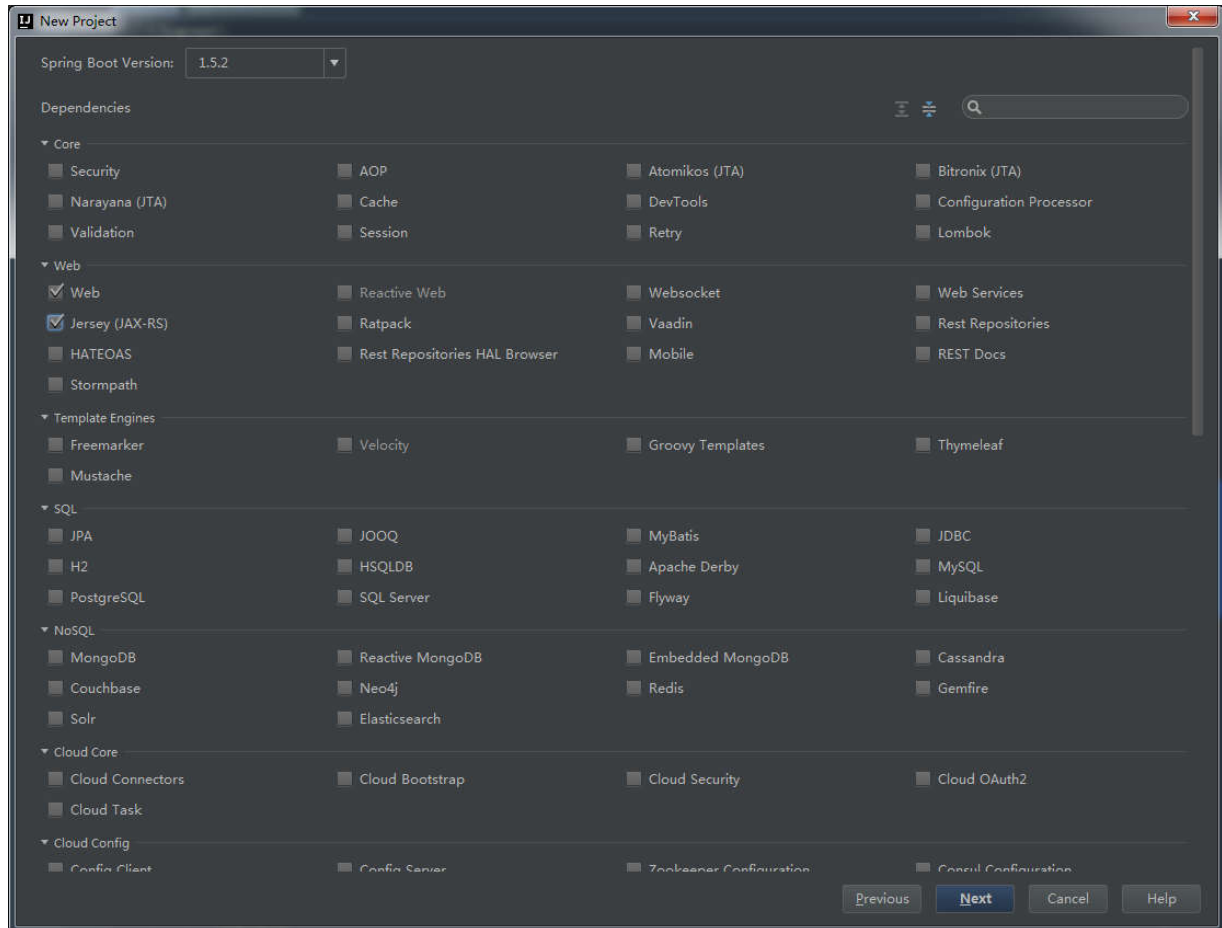


Springboot+Swagger

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1 SpringBoot+Swagger

1.1 创建项目 SpringBoot+Jersey:

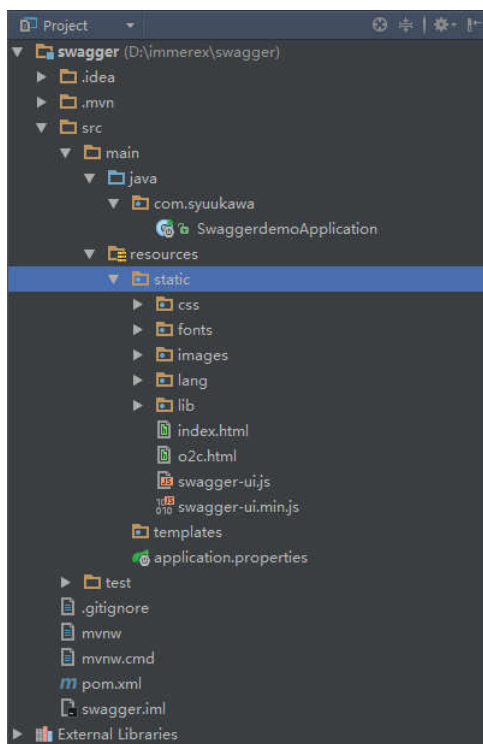


1.2 POM 文件中添加 Swagger 配置:

```
● <!--swagger jar add-->
<dependency>
  <groupId>io.swagger</groupId>
  <artifactId>swagger-jersey2-jaxrs</artifactId>
  <version>1.5.10</version>
</dependency>
● <dependency>
  <groupId>io.swagger</groupId>
  <artifactId>swagger-annotations</artifactId>
  <version>1.5.9</version>
</dependency>
<dependency>
  <groupId>io.swagger</groupId>
  <artifactId>swagger-annotations</artifactId>
```

```
<version>1.5.9</version>
</dependency>
```

1.3 在 resource-static 中添加 swagger 需要文件:



1.4 添加配置类:

ApiOriginFilter:

```
public class ApiOriginFilter implements Filter {
    @Override
    public void init(FilterConfig filterConfig) throws ServletException {

    }
    @Override
    public void doFilter(ServletRequest req, ServletResponse res, FilterChain chain) throws
IOException, ServletException {
        HttpServletResponse response = (HttpServletResponse) res;
        response.setHeader("Access-Control-Allow-Origin", "*");
        response.setHeader("Access-Control-Allow-Methods", "GET, POST, DELETE, PUT, PATCH,
OPTIONS");
        response.setHeader("Access-Control-Max-Age", "3600");
        response.setHeader("Access-Control-Allow-Headers", "Origin, X-Requested-With,
Content-Type, Accept, api_key, Authorization");
        // response.setHeader("Content-Type", "application/json");
        chain.doFilter(req, res);
    }
    @Override
    public void destroy() {
```

```
}  
}
```

JerseyConfig:

```
@Component  
public class JerseyConfig extends ResourceConfig {  
  
    @Value("${spring.jersey.application-path:/}")  
    private String apiPath;  
  
    public JerseyConfig() {  
        // Register endpoints, providers, ...  
        this.registerEndpoints();  
    }  
  
    @PostConstruct  
    public void init() {  
        // Register components where DI is needed  
        this.configureSwagger();  
    }  
  
    private void registerEndpoints() {  
        packages("com.syuukawa");  
        // Access through <Jersey's servlet path>/application.wadl  
        this.register(WadlResource.class);  
    }  
  
    private void configureSwagger() {  
        // Available at localhost:port/swagger.json  
        this.register(ApiListingResource.class);  
        this.register(SwaggerSerializers.class);  
  
        BeanConfig config = new BeanConfig();  
        config.setConfigId("springboot-jersey-swagger-docker-example");  
        config.setTitle("Spring Boot + Jersey + Swagger + Docker Example");  
        config.setVersion("v1");  
        config.setContact("Orlando L Otero");  
        config.setSchemes(new String[]{"http", "https"});  
        config.setBasePath(this.apiPath);  
        //TODO need to modify  
        config.setResourcePackage("com.syuukawa");  
        config.setPrettyPrint(true);  
        config.setScan(true);  
    }  
}
```

1.5 修改 application.properties:

```
server.port= 8081
spring.jersey.application-path= /api
```

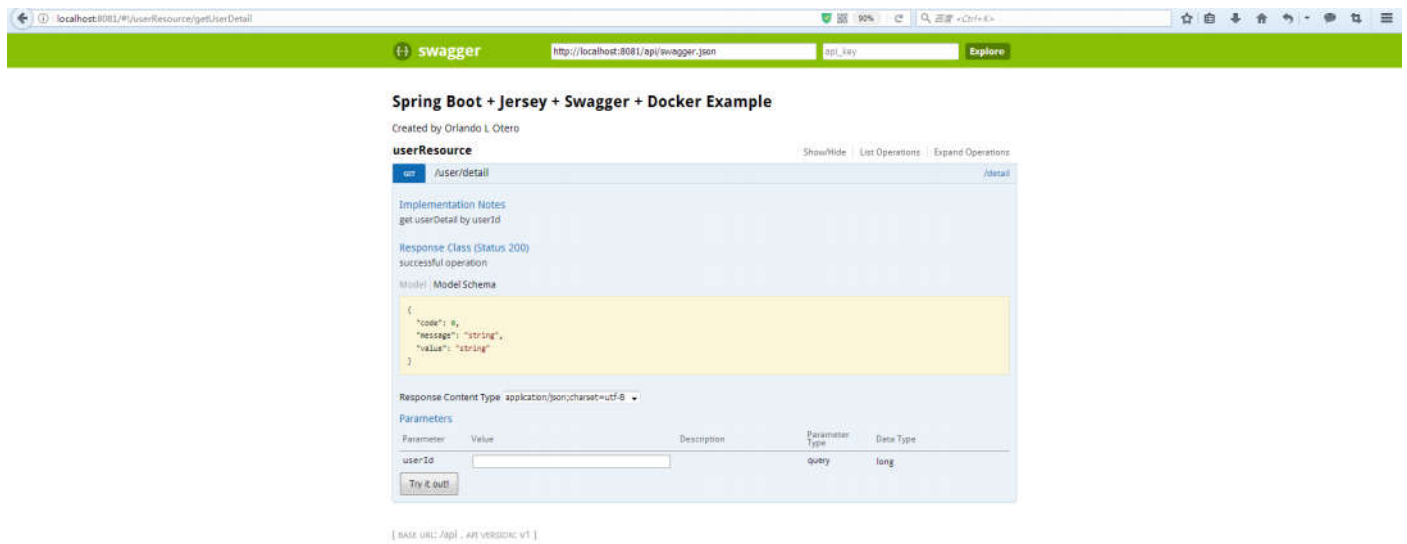
1.6 添加相关测试类:

```
@Path("/user")
@Api(value = "/userResource", description = "description")
@SuppressWarnings("all")
public class UserDetailResource {
    private static final Logger log = LoggerFactory.getLogger(UserDetailResource.class);

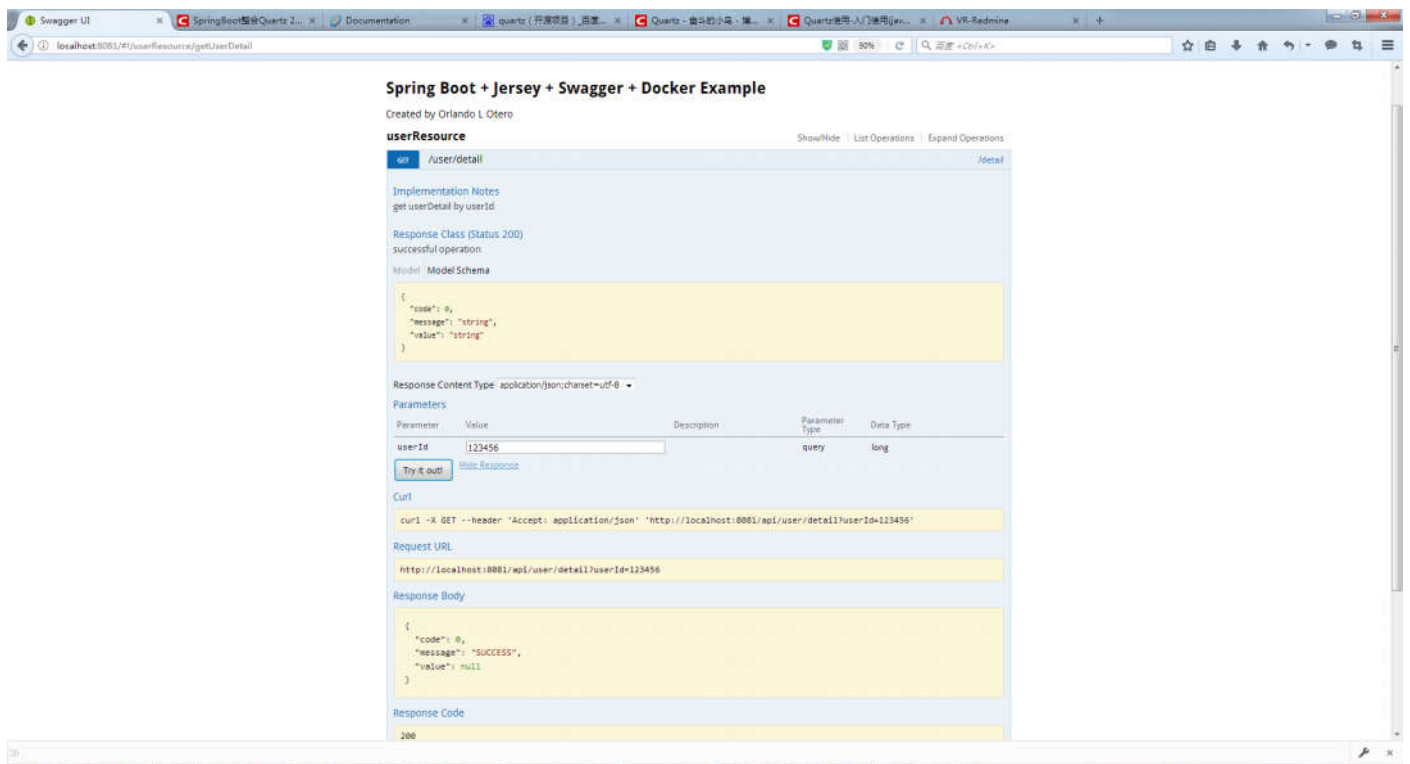
    /**
     * <p>Description: 这里用一句话描述这个方法的作用</p>
     * <p>param </p>
     * <p>author zhouhe </p>
     * <p>date 2017/3/17 14:28 </p>
     * <p>return </p>
     */
    @ApiOperation(value = "/detail", notes = "get userDetail by userId")
    @GET
    @Path("/detail")
    @Produces({"application/json;charset=utf-8"})
    @Consumes({"application/json;charset=utf-8"})
    public Response<String> getUserDetail(@QueryParam("userId") Long userId) {
        System.out.println("=====" + userId);
        return new Response(Result.SUCCESS, userId);
    }
}
```

1.7 运行结果:

Localhost:8081



1.8 进行接口测试：



2 SwaggerApi 项目生成

2.1 Swagger-config.json

```
{
```

```

"apiPackage": "com.syuukawa.user.api",
"invokerPackage": "com.syuukawa.user.invoker",
"modelPackage": "com.syuukawa.user.entity",
"dateLibrary": "legacy",
"serializableModel": true,
"fullJavaUtil": true
}

```

2.2 执行命令

```

java -jar swagger-codegen-cli-2.2.1.jar generate -i http://localhost:8081/api/swagger.json -l java -c
D:\immerex\swagger_config.json -o D:\immerex\swaggerApi

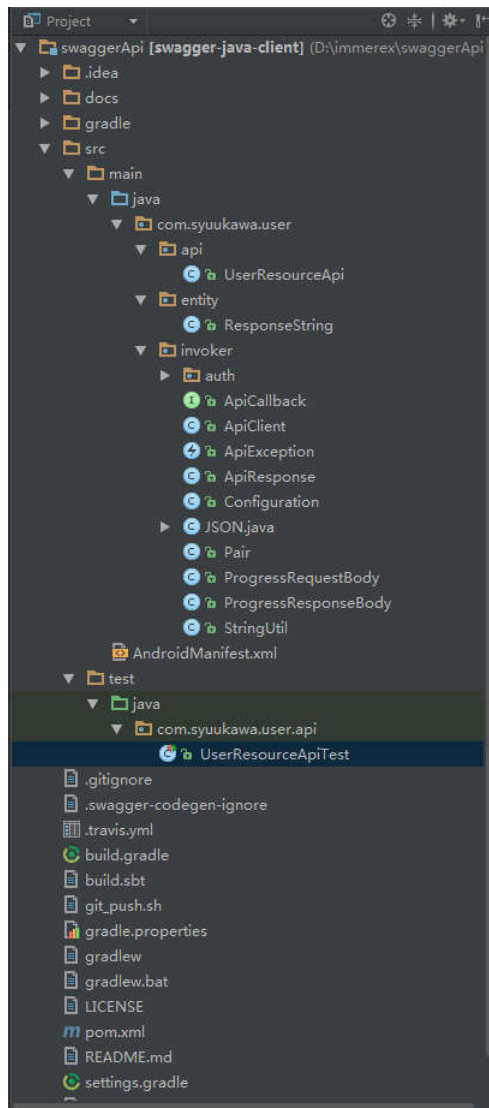
```

```

C:\Windows\system32\cmd.exe
[main] INFO io.swagger.codegen.AbstractGenerator - writing file D:\immerex\swaggerApi\build.sbt
[main] INFO io.swagger.codegen.AbstractGenerator - writing file D:\immerex\swaggerApi\settings.gradle
[main] INFO io.swagger.codegen.AbstractGenerator - writing file D:\immerex\swaggerApi\gradle.properties
[main] INFO io.swagger.codegen.AbstractGenerator - writing file D:\immerex\swaggerApi\src\main\AndroidManifest.xml
[main] INFO io.swagger.codegen.AbstractGenerator - writing file D:\immerex\swaggerApi\travis.yml
[main] INFO io.swagger.codegen.AbstractGenerator - writing file D:\immerex\swaggerApi\src\main\java\com\syuukawa\user\invoker\ApiClient.java
[main] INFO io.swagger.codegen.AbstractGenerator - writing file D:\immerex\swaggerApi\src\main\java\com\syuukawa\user\invoker\StringUtil.java
[main] INFO io.swagger.codegen.AbstractGenerator - writing file D:\immerex\swaggerApi\src\main\java\com\syuukawa\user\invoker\auth\HttpBasicAuth.java
[main] INFO io.swagger.codegen.AbstractGenerator - writing file D:\immerex\swaggerApi\src\main\java\com\syuukawa\user\invoker\auth\ApiKeyAuth.java
[main] INFO io.swagger.codegen.AbstractGenerator - writing file D:\immerex\swaggerApi\src\main\java\com\syuukawa\user\invoker\auth\OAuth.java
[main] INFO io.swagger.codegen.AbstractGenerator - writing file D:\immerex\swaggerApi\src\main\java\com\syuukawa\user\invoker\auth\OAuthFlow.java
[main] INFO io.swagger.codegen.AbstractGenerator - writing file D:\immerex\swaggerApi\gradlew
[main] INFO io.swagger.codegen.AbstractGenerator - writing file D:\immerex\swaggerApi\gradlew.bat
[main] INFO io.swagger.codegen.AbstractGenerator - writing file D:\immerex\swaggerApi\gradle\wrapper\gradle-wrapper.properties
[main] INFO io.swagger.codegen.DefaultGenerator - writing file D:\immerex\swaggerApi\gradle\wrapper\gradle-wrapper.jar
[main] INFO io.swagger.codegen.AbstractGenerator - writing file D:\immerex\swaggerApi\git_push.sh
[main] INFO io.swagger.codegen.AbstractGenerator - writing file D:\immerex\swaggerApi\gitignore
[main] INFO io.swagger.codegen.AbstractGenerator - writing file D:\immerex\swaggerApi\src\main\java\com\syuukawa\user\invoker\ApiException.java
[main] INFO io.swagger.codegen.AbstractGenerator - writing file D:\immerex\swaggerApi\src\main\java\com\syuukawa\user\invoker\Configuration.java
[main] INFO io.swagger.codegen.AbstractGenerator - writing file D:\immerex\swaggerApi\src\main\java\com\syuukawa\user\invoker\Pair.java
[main] INFO io.swagger.codegen.AbstractGenerator - writing file D:\immerex\swaggerApi\src\main\java\com\syuukawa\user\invoker\auth\Authentication.java
[main] INFO io.swagger.codegen.AbstractGenerator - writing file D:\immerex\swaggerApi\src\main\java\com\syuukawa\user\invoker\ApiCallback.java
[main] INFO io.swagger.codegen.AbstractGenerator - writing file D:\immerex\swaggerApi\src\main\java\com\syuukawa\user\invoker\ApiResponse.java
[main] INFO io.swagger.codegen.AbstractGenerator - writing file D:\immerex\swaggerApi\src\main\java\com\syuukawa\user\invoker\JSON.java
[main] INFO io.swagger.codegen.AbstractGenerator - writing file D:\immerex\swaggerApi\src\main\java\com\syuukawa\user\invoker\ProgressRequestBody.java
[main] INFO io.swagger.codegen.AbstractGenerator - writing file D:\immerex\swaggerApi\src\main\java\com\syuukawa\user\invoker\ProgressResponseBody.java
[main] INFO io.swagger.codegen.AbstractGenerator - writing file D:\immerex\swaggerApi\swagger-codegen-ignore
[main] INFO io.swagger.codegen.AbstractGenerator - writing file D:\immerex\swaggerApi\LICENSE
D:\immerex>

```

2.3 SwaggerApi 项目结构



2.4 测试

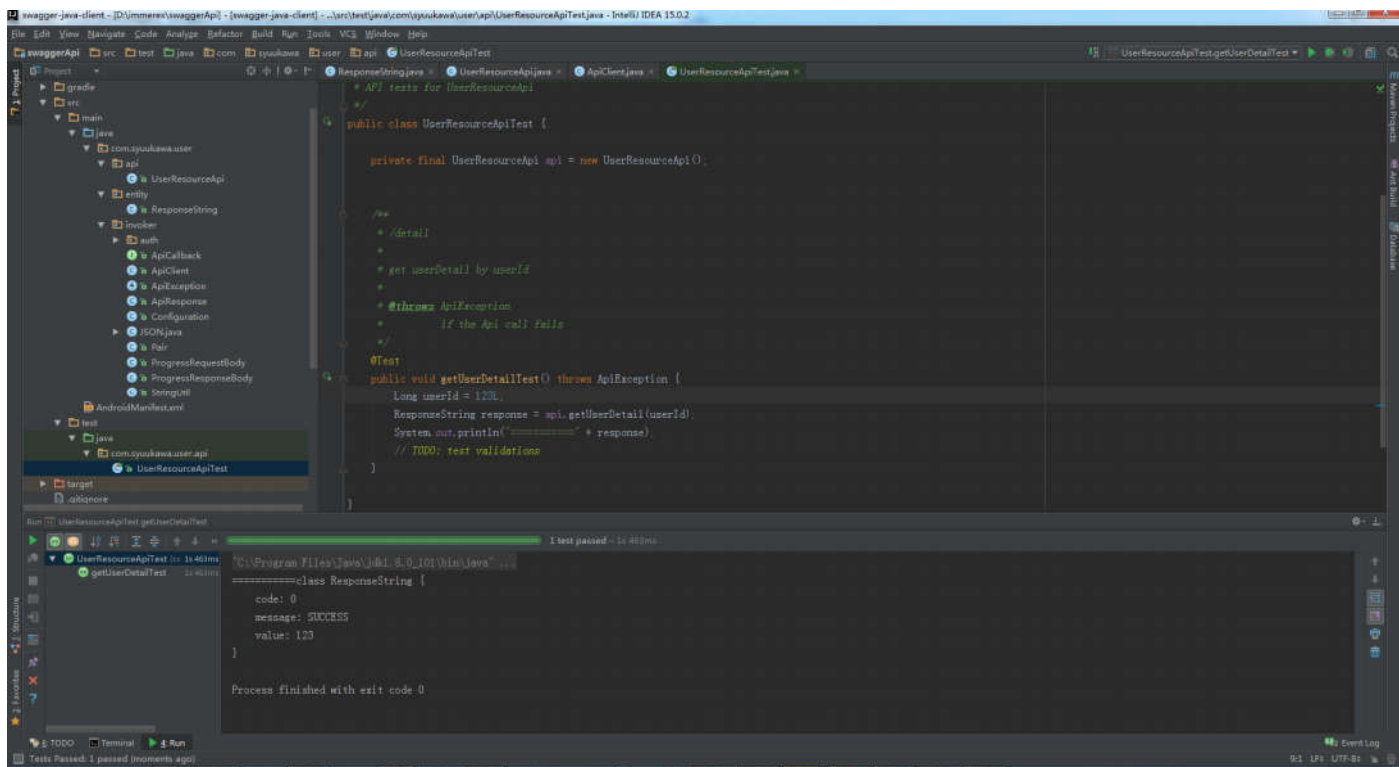
1、修改 ApiClient 中的 basePath

```
private String basePath = "http://localhost:8081/api";
```

2、修改测试类中的方法

```
@Test
public void getUserDetailTest() throws ApiException {
    Long userId = 123L;
    ResponseString response = api.getUserDetail(userId);
    System.out.println("=====" + response);
    // TODO: test validations
}
```

3、测试结果如下



2.5 后续调用

- 1、SwaggerApi 项目可以打成 jar，放到前端项目中，实现前端---SwaggerApi---后端的调用，此处省略。

```
<dependency>
```

```
<groupId>f5</groupId>
```

```
<artifactId>iControl</artifactId>
```

```
<version>11.4.1</version>
```

```
<scope>system</scope>
```

```
<systemPath>${project.basedir}/src/main/webapp/WEB-INF/lib/iControl.jar</systemPath>
```

```
</dependency>
```

- 2、前端项目可以引入 SwaggerApi 项目，实现前端---SwaggerApi---后端的调用，此处省略。

```
<dependency>
```

```
<groupId>SwaggerApi</groupId>
```

```
<artifactId>SwaggerApi</artifactId>
```

```
<version>1.0.0</version>
```

```
</dependency>
```