**用户权限验证系统**

**第一部分 : 使用说明**

本文主要包含三部分内容：第一部分为使用说明,第二部分为系统用户账户管理接口,第三部分为博客文章管理接口.

代码基于spring-boot框架, 配合使用shiro进行用户权限验证, 使用JPA进行数据库操作, 数据库为mysql. 以下测试基于ubuntu16.4系统, 测试工具为Postman.

系统启动方法, 命令行运行jar文件即可, 代码内置默认端口为31547(不提供用户配置方式):

java -jar blog-0.0.1-SNAPSHOT.jar

**第二部分 : 用户账户管理管理**

主要包括用户账号的增删查改,以下所有的操作只能是拥有admin角色用户能够使用,普通用户user无法操作.

**1.0 登录系统**

**Url:** <http://localhost:31547/login>

**Method:** Post

**Body(Form-data):**

userName=admin

Password=123456

**1.1新增用户**

**Url:** <http://localhost:31547/user>

**Method:** Post

**Body:**

{

"userId": 3,

"userName": "Jim",

"password": "123456",

"email": "admin@gmail.com",

"roles": [

{

"roleId": 1,

"role": "admin",

"description": "Manage all resources",

"permissions": []

},

{

"roleId": 2,

"role": "user",

"description": "manage own articles",

"permissions": []

}

]

}

**Response:**

{

"userId": 29,

"userName": "Jim",

"password": "123456",

"email": "admin@gmail.com",

"roles": [

{

"roleId": 1,

"role": "admin",

"description": "Manage all resources",

"permissions": []

},

{

"roleId": 2,

"role": "user",

"description": "manage own articles",

"permissions": []

}

]

}

**1.2 修改用户信息**

**Url:** [http://localhost:31547/user/29](http://localhost:31547/user)

**Method:** Put

**Body:**

{

"userId": 29,

"userName": "Jim",

"password": "123456",

"email": "jim@gmail.com",

"roles": [

{

"roleId": 2,

"role": "user",

"description": "manage own articles",

"permissions": []

}

]

}

**Response:**

{

"userId": 29,

"userName": "Jim",

"password": "123456",

"email": "jim@gmail.com",

"roles": [

{

"roleId": 2,

"role": "user",

"description": "manage own articles",

"permissions": []

}

]

}

**1.3 删除用户账号**

**Url:** [http://localhost:31547/user/29r](http://localhost:31547/user)

**Method:** Delete

**Response:**

{

"status": 200,

"message": "Operation Succeed!",

"result": null

}

**1.4 根据id查询用户信息**

**Url:** [http://localhost:31547/user/1](http://localhost:31547/user)

**Method:** Get

**Response:**

{

"userId": 1,

"userName": "admin",

"password": "123456",

"email": "admin@gmail.com",

"roles": [

{

"roleId": 2,

"role": "user",

"description": "manage own articles",

"permissions": []

},

{

"roleId": 1,

"role": "admin",

"description": "Manage all resources",

"permissions": []

}

]

}

**1.5普通用户无权限操作**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8" />

<title>Title</title>

</head>

<body>

<h3>401:您没有该操作权限！</h3>

</body>

</html>

**第三部分 : 博客文章管理**

**2.1　查询所有文章**

**Url:** [http://localhost:31547/article](http://localhost:31547/user)

**Method:** Get

**Response:**

[

{

"id": 3,

"title": "linux",

"content": "linux基础和进阶知识...鸟哥的私房菜",

"authorId": 2

},

{

"id": 4,

"title": "spring",

"content": "spring实战,spring boot, spring mvc",

"authorId": 24

},

{

"id": 5,

"title": "spring",

"content": "spring实战,spring boot",

"authorId": 1

}

]

**2.2　根据id查询文章**

**Url:** [http://localhost:31547/article/3](http://localhost:31547/user)

**Method:** Get

**Response:**

{

"id": 3,

"title": "linux",

"content": "linux基础和进阶知识...鸟哥的私房菜",

"authorId": 2

}

**2.3 新增文章**

**Url:** [http://localhost:31547/article](http://localhost:31547/user)

**Method:** Post

**Body:**

{

"id": 26,

"title": "Netty权威指南",

"content": "java bio, nio, aio",

"authorId": 1

}

**Response:**

{

"status": 200,

"message": "Operation Succeed!",

"result": {

"id": 26,

"title": "Netty权威指南",

"content": "java bio, nio, aio",

"authorId": 1

}

}

**2.3 修改文章**

**Url:** [http://localhost:31547/article/27](http://localhost:31547/user)

**Method:** Put

**Body:**

{

"id": 27,

"title": "Netty权威指南",

"content": "java bio, nio, aio,服务器端编程. SocketServer",

"authorId": 3

}

**Response:**

{

"status": 200,

"message": "Operation Succeed!",

"result": {

"id": 27,

"title": "Netty权威指南",

"content": "java bio, nio, aio,服务器端编程. SocketServer",

"authorId": 3

}

}

2.4 删除文章

**Url:** [http://localhost:31547/article/2](http://localhost:31547/user)

**Method:** Delete

**Response:**

{

"status": 200,

"message": "Operation Succeed!",

"result": null

}