

# 智慧仓库管理系统

## 1. api接口文档

- 接口基准地址: <http://127.0.0.1:9090/api>
- 服务端已开启cors跨域支持
- api认证统一使用Token认证
- 需要授权的api, 必须在请求头中使用Authorization字段提供的token令牌
- 使用HTTP Status Code标识字段
- 数据返回格式统一使用json

### 1.1 支持的请求方法

- GET(select): 从服务器中取出资源 (一项或多项)
- POST(create): 在服务器新建一个资源
- PUT(update): 在服务器更新资源 (客户端提供改变后的完整资源)
- PATCH(update): 在服务器更新资源 (客户端提供改变的属性)
- DELETE(delete): 从服务器删除资源
- HEAD: 获取资源的元数据
- OPTIONS: 获取信息, 关于资源的哪些属性是客户端可以改变的

### 1.2 通用返回状态说明

状态码	标识信息
200	成功
400	参数错误
401	权限不足
500	系统错误
600	其它业务异常

## 2. 登录

### 2.1 登录验证接口

- 请求路径: /user/login
- 请求方法: post
- 响应数据

```
{  
  "code": "200",  
  "msg": "",  
  "data": {
```

```
    "id": 1,
    "username": "admin",
    "password": "21232f297a57a5a743894a0e4a801fc3",
    "nickname": "Java-云海",
    "avatarUrl":
"http://localhost:9090/file/8d966b0e6cf84fe191a72a58b8293b23.png",
    "token":
"eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJhdwQiOiIXIiwiaXNjaXNjMTIxNjgwZQ.hmYS
Yv9hnh7LTVwLWy3y1IIC1xi6bgzf0Ur9hM9v8p0",
    "role": "ROLE_ADMIN",
    "menus": [
      {
        "id": 10,
        "name": "主页",
        "path": "/home",
        "icon": "el-icon-house",
        "description": null,
        "children": [],
        "pid": null,
        "pagePath": "Home",
        "sortNum": "0"
      },
      {
        "id": 4,
        "name": "系统管理",
        "path": null,
        "icon": "el-icon-s-grid",
        "description": null,
        "children": [
          {
            "id": 5,
            "name": "用户管理",
            "path": "/user",
            "icon": "el-icon-user",
            "description": null,
            "children": null,
            "pid": 4,
            "pagePath": "User",
            "sortNum": "301"
          }
        ],
        "pid": null,
        "pagePath": null,
        "sortNum": "300"
      }
    ]
  }
}
```

## 3. 用户管理

### 3.1 数据列表分页查询

- 请求路径: /user/page
- 请求方法: get
- 响应数据

```
{
  "code": "200",
  "msg": "",
  "data": {
    "records": [
      {
        "id": 1,
        "username": "admin",
        "password": null,
        "nickname": "程序员青戈",
        "email": "admin@qq.com",
        "phone": "13988997788",
        "address": "安徽合肥1",
        "createTime": "2022-01-22T13:10:27.000+00:00",
        "avatarUrl":
"http://localhost:9090/file/8d966b0e6cf84fe191a72a58b8293b23.png",
        "role": "ROLE_ADMIN",
        "courses": [],
        "stuCourses": [
          {
            "id": null,
            "name": "大学物理",
            "score": 10,
            "times": null,
            "state": null,
            "teacherId": null,
            "teacher": null
          },
          {
            "id": null,
            "name": "高等数学",
            "score": 10,
            "times": null,
            "state": null,
            "teacherId": null,
            "teacher": null
          }
        ]
      },
      {
        "id": 16,
        "username": "222",
        "password": null,
        "nickname": "甄姬好大",
        "email": "2",
        "phone": "2",
```

```

        "address": "2",
        "createTime": "2022-02-26T14:10:14.000+00:00",
        "avatarUrl": null,
        "role": "ROLE_TEACHER",
        "courses": [
            {
                "id": null,
                "name": "大学英语",
                "score": 10,
                "times": null,
                "state": null,
                "teacherId": null,
                "teacher": null
            },
            {
                "id": null,
                "name": "高等数学",
                "score": 10,
                "times": null,
                "state": null,
                "teacherId": null,
                "teacher": null
            }
        ],
        "stuCourses": [
            {
                "id": null,
                "name": "大学物理",
                "score": 10,
                "times": null,
                "state": null,
                "teacherId": null,
                "teacher": null
            }
        ]
    },
    "total": 11,
    "size": 4,
    "current": 1,
    "orders": [],
    "optimizeCountsSql": true,
    "searchCount": true,
    "countId": null,
    "maxLimit": null,
    "pages": 3
}
}

```

## 3.2 添加用户

- 请求路径: /user
- 请求方法: post
- 响应数据

```
{
  "code": "200",
  "msg": "",
  "data": true
}
```

### 3.3 修改用户

- 请求路径: /user
- 请求方法: post
- 响应数据

```
{
  "code": "200",
  "msg": "",
  "data": true
}
```

### 3.4 根据ID查询用户信息

- 请求路径: /user/{id}
- 请求方法: get
- 响应数据

```
{
  "code": "200",
  "msg": "",
  "data": {
    "id": 1,
    "username": "admin",
    "password": "21232f297a57a5a743894a0e4a801fc3",
    "nickname": "程序员青戈",
    "email": "admin@qq.com",
    "phone": "13988997788",
    "address": "安徽合肥1",
    "createTime": "2022-01-22T13:10:27.000+00:00",
    "avatarUrl":
"http://localhost:9090/file/8d966b0e6cf84fe191a72a58b8293b23.png",
    "role": "ROLE_ADMIN",
    "courses": null,
    "stuCourses": null
  }
}
```

### 3.5 根据ID删除单个用户

- 请求路径: /user/{id}
- 请求方法: delete
- 响应数据

```
{
  "code": "200",
  "msg": "",
  "data": true
}
```

### 3.6 批量删除用户

- 请求路径: /user/del/batch
- 请求方法: post
- 响应数据

```
{
  "code": "200",
  "msg": "",
  "data": false
}
```

### 3.7 注册用户

- 请求路径: /user/register
- 请求方法: post
- 响应数据

```
{
  "code": "200",
  "msg": "",
  "data": {
    "id": 32,
    "username": "kkk",
    "password": "202cb962ac59075b964b07152d234b70",
    "nickname": "kkk",
    "email": null,
    "phone": null,
    "address": null,
    "createTime": null,
    "avatarUrl": null,
    "role": "ROLE_STUDENT",
    "courses": null,
    "stuCourses": null
  }
}
```

### 3.8 修改密码

- 请求路径: /user/password
- 请求方法: post
- 响应数据

```
{
  "code": "200",
  "msg": "",
  "data": null
}
```

### 3.9 查询所有用户信息

- 请求路径: /user
- 请求方法: get
- 响应数据

```
{
  "code": "200",
  "msg": "",
  "data": [
    {
      "id": 1,
      "username": "admin",
      "password": "21232f297a57a5a743894a0e4a801fc3",
      "nickname": "程序员青戈",
      "email": "admin@qq.com",
      "phone": "13988997788",
      "address": "安徽合肥1",
      "createTime": "2022-01-22T13:10:27.000+00:00",
      "avatarUrl":
"http://localhost:9090/file/8d966b0e6cf84fe191a72a58b8293b23.png",
      "role": "ROLE_ADMIN",
      "courses": null,
      "stuCourses": null
    },
    {
      "id": 16,
      "username": "222",
      "password": "202cb962ac59075b964b07152d234b70",
      "nickname": "甄姬好大",
      "email": "2",
      "phone": "2",
      "address": "2",
      "createTime": "2022-02-26T14:10:14.000+00:00",
      "avatarUrl": null,
      "role": "ROLE_TEACHER",
      "courses": null,
      "stuCourses": null
    }
  ]
}
```

### 3.10 根据角色查询用户信息

- 请求路径: /user/role/{role}
- 请求方法: get
- 响应数据

```
{
  "code": "200",
  "msg": "",
  "data": [
    {
      "id": 16,
      "username": "222",
      "password": "202cb962ac59075b964b07152d234b70",
      "nickname": "甄姬好大",
      "email": "2",
      "phone": "2",
      "address": "2",
      "createTime": "2022-02-26T14:10:14.000+00:00",
      "avatarUrl": null,
      "role": "ROLE_TEACHER",
      "courses": null,
      "stuCourses": null
    },
    {
      "id": 17,
      "username": "333",
      "password": "202cb962ac59075b964b07152d234b70",
      "nickname": "我是三三哦豁",
      "email": "3",
      "phone": "3",
      "address": "3",
      "createTime": "2022-02-26T14:10:18.000+00:00",
      "avatarUrl":
"http://localhost:9090/file/7737484487db47ab89e58504ddf86ac1.jpg",
      "role": "ROLE_TEACHER",
      "courses": null,
      "stuCourses": null
    }
  ]
}
```

### 3.11 根据用户名查询用户信息

- 请求路径: /user/username/{username}
- 请求方法: get
- 响应数据



```
{
  "code": "200",
  "msg": "",
  "data": null
}
```

### 3.12 导出用户信息

- 请求路径: /user/export
- 请求方法: get
- 响应数据

```
{
  "code": "200",
  "msg": "",
  "data": null
}
```

### 3.13 导入用户信息

- 请求路径: /user/import
- 请求方法: post
- 响应数据

```
{
  "code": "200",
  "msg": "",
  "data": null
}
```

## 4. 角色管理

---

### 4.1 新增角色

- 请求路径: /role/
- 请求方法: post
- 响应数据

```
{
  "code": "200",
  "msg": "",
  "data": null
}
```

## 4.2 修改角色

- 请求路径: /role/
- 请求方法: post
- 响应数据

```
{  
  "code": "200",  
  "msg": "",  
  "data": null  
}
```

## 4.3 根据ID删除单个角色

- 请求路径: /role/{id}
- 请求方法: delete
- 响应数据

```
{  
  "code": "200",  
  "msg": "",  
  "data": null  
}
```

## 4.4 批量删除角色

- 请求路径: /role/del/batch
- 请求方法: post
- 响应数据

```
{  
  "code": "200",  
  "msg": "",  
  "data": null  
}
```

## 4.5 查询所有角色

- 请求路径: /role
- 请求方法: get
- 响应数据

```
{  
  "code": "200",  
  "msg": "",  
  "data": [  
    {  
      "id": 1,  
      "name": "管理员",  
    }  
  ]  
}
```

```

        "description": "管理员",
        "flag": "ROLE_ADMIN"
    },
    {
        "id": 2,
        "name": "学生",
        "description": "学生",
        "flag": "ROLE_STUDENT"
    },
    {
        "id": 3,
        "name": "老师",
        "description": "老师",
        "flag": "ROLE_TEACHER"
    }
]
}

```

## 4.6 根据ID查询用户信息

- 请求路径: /role/{id}
- 请求方法: get
- 响应数据

```

{
    "code": "200",
    "msg": "",
    "data": {
        "id": 1,
        "name": "管理员",
        "description": "管理员",
        "flag": "ROLE_ADMIN"
    }
}

```

## 4.7 数据列表分页查询

- 请求路径: /role/page
- 请求方法: get
- 响应数据

```

{
    "code": "200",
    "msg": "",
    "data": {
        "records": [],
        "total": 0,
        "size": 5,
        "current": 1,
        "orders": [],
        "optimizeCountSql": true,
        "searchCount": true,

```

```
        "countId": null,  
        "maxLimit": null,  
        "pages": 0  
    }  
}
```

## 4.8 绑定角色和菜单

- 请求路径: /role/roleMenu/{roleId}
- 请求方法: post
- 响应数据

```
{  
    "code": "200",  
    "msg": "",  
    "data": null  
}
```

## 4.9 根据角色ID获取菜单ID

- 请求路径: /role/roleMenu/{roleId}
- 请求方法: get
- 响应数据

```
{  
    "code": "200",  
    "msg": "",  
    "data": [  
        2,  
        4,  
        5,  
        6,  
        7,  
        8,  
        9,  
        10,  
        39,  
        40,  
        41,  
        42,  
        43  
    ]  
}
```

## 5. 菜单管理

---

### 5.1 新增菜单

- 请求路径: /menu
- 请求方法: post
- 响应数据

```
{  
  "code": "200",  
  "msg": "",  
  "data": null  
}
```

### 5.2 修改菜单

- 请求路径: /menu
- 请求方法: post
- 响应数据

```
{  
  "code": "200",  
  "msg": "",  
  "data": null  
}
```

### 5.3 根据ID删除菜单

- 请求路径: /menu/{id}
- 请求方法: delete
- 响应数据

```
{  
  "code": "200",  
  "msg": "",  
  "data": null  
}
```

### 5.4 批量删除菜单

- 请求路径: /menu/del/batch
- 请求方法: delete
- 响应数据

```
{
  "code": "200",
  "msg": "",
  "data": null
}
```

## 5.5 根据ID列表查询所有菜单

- 请求路径: /menu/ids
- 请求方法: get
- 响应数据

```
{
  "code": "200",
  "msg": "",
  "data": [
    {
      "id": 10,
      "name": "主页",
      "path": "/home",
      "icon": "el-icon-house",
      "description": null,
      "children": [],
      "pid": null,
      "pagePath": "Home",
      "sortNum": "0"
    },
    {
      "id": 39,
      "name": "课程管理",
      "path": "/course",
      "icon": "el-icon-menu",
      "description": null,
      "children": [],
      "pid": null,
      "pagePath": "Course",
      "sortNum": "201"
    },
    {
      "id": 4,
      "name": "系统管理",
      "path": null,
      "icon": "el-icon-s-grid",
      "description": null,
      "children": [
        {
          "id": 5,
          "name": "用户管理",
          "path": "/user",
          "icon": "el-icon-user",
          "description": null,
          "children": null,
          "pid": 4,

```

```

        "pagePath": "User",
        "sortNum": "301"
    }
],
"pid": null,
"pagePath": null,
"sortNum": "300"
},
{
    "id": 40,
    "name": "高德地图",
    "path": "/map",
    "icon": "el-icon-house",
    "description": null,
    "children": [],
    "pid": null,
    "pagePath": "Map",
    "sortNum": "999"
}
]
}

```

## 5.6 查询所有菜单

- 请求路径: /menu
- 请求方法: get
- 响应数据

```

{
    "code": "200",
    "msg": "",
    "data": [
        {
            "id": 10,
            "name": "主页",
            "path": "/home",
            "icon": "el-icon-house",
            "description": null,
            "children": [],
            "pid": null,
            "pagePath": "Home",
            "sortNum": "0"
        },
        {
            "id": 4,
            "name": "系统管理",
            "path": null,
            "icon": "el-icon-s-grid",
            "description": null,
            "children": [
                {
                    "id": 5,
                    "name": "用户管理",
                    "path": "/user",

```

```

        "icon": "el-icon-user",
        "description": null,
        "children": null,
        "pid": 4,
        "pagePath": "User",
        "sortNum": "301"
      }
    ],
    "pid": null,
    "pagePath": null,
    "sortNum": "300"
  },
  {
    "id": 40,
    "name": "高德地图",
    "path": "/map",
    "icon": "el-icon-house",
    "description": null,
    "children": [],
    "pid": null,
    "pagePath": "Map",
    "sortNum": "999"
  }
]
}

```

## 5.7 根据ID查询一个菜单列表

- 请求路径: /menu/{id}
- 请求方法: get
- 响应数据

```

{
  "code": "200",
  "msg": "",
  "data": {
    "id": 2,
    "name": "数据报表",
    "path": "/dashbord",
    "icon": "el-icon-s-marketing",
    "description": "11",
    "children": null,
    "pid": null,
    "pagePath": "Dashbord",
    "sortNum": "100"
  }
}

```



## 5.8 数据列表分页查询

- 请求路径: /menu/page
- 请求方法: get
- 响应数据

```
{
  "code": "200",
  "msg": "",
  "data": {
    "records": [],
    "total": 0,
    "size": 5,
    "current": 1,
    "orders": [],
    "optimizeCountSql": true,
    "searchCount": true,
    "countId": null,
    "maxLimit": null,
    "pages": 0
  }
}
```

## 5.9 获取图标接口

- 请求路径: /menu/icons
- 请求方法: get
- 响应数据

```
{
  "code": "200",
  "msg": "",
  "data": [
    {
      "name": "user",
      "value": "el-icon-user",
      "type": "icon"
    },
    {
      "name": "house",
      "value": "el-icon-house",
      "type": "icon"
    },
    {
      "name": "menu",
      "value": "el-icon-menu",
      "type": "icon"
    },
    {
      "name": "s-custom",
      "value": "el-icon-s-custom",
      "type": "icon"
    }
  ]
}
```

```
    },
    {
      "name": "s-grid",
      "value": "el-icon-s-grid",
      "type": "icon"
    },
    {
      "name": "document",
      "value": "el-icon-document",
      "type": "icon"
    },
    {
      "name": "coffee",
      "value": "el-icon-coffee\r\n",
      "type": "icon"
    },
    {
      "name": "s-marketing",
      "value": "el-icon-s-marketing",
      "type": "icon"
    }
  ]
}
```

## 6. 文件管理

---