

API 接口文档

功能：用户注册

URL: <http://127.0.0.1:8000/rest-auth/registration/>

Method: post

```
{  
    "username": "",  
    "email": "",  
    "password1": "",  
    "password2": ""  
}
```

Return: {
 "key": "d217cbb2e198af5a8baf7ddae60b638ffc655354"
}

返回 token，保持登录状态

Parameter: 无

功能：用户登录

URL: <http://127.0.0.1:8000/rest-auth/login/>

Method: post

Return: {
 "key": "2a73aec5b2a992074502fba1c0c4a78cc0f040a4"
}

返回 token，保持登录状态

Parameter: 无

功能：用户详细信息提交

URL: [http://127.0.0.1:8000/api/create_users info/](http://127.0.0.1:8000/api/create_users_info/)

Method: post

```
{  
    "company": "",  
    "tel": "",  
    "address": ""  
}
```

Return: [

```
{
  "id": 1,
  "company": "rinc",
  "tel": "1234567",
  "address": "asasasasa",
  "user": {
    "id": 3,
    "password":
"pbkdf2_sha256$36000$MO32aGo4yQuK$pkMAJ4Y0IPJ+bEarMs2j6CBX4n8x9Y376S1Nv1yZ1NI=",
    "last_login": "2017-07-06T05:11:24.945000Z",
    "is_superuser": false,
    "username": "zhang",
    "first_name": "",
    "last_name": "",
    "email": "asasasaa111@163.com",
    "is_staff": false,
    "is_active": true,
    "date_joined": "2017-07-06T05:11:24.481000Z",
    "groups": [],
    "user_permissions": []
  }
}
]
Parameter: 无
```

功能：显示和修改用户详细信息

URL: http://127.0.0.1:8000/api/users_display/

Method: GET PUT

Return:

若存在

```
{
  "id": 1,
  "company": "rinc",
  "tel": "1234567890",
  "address": "江苏省南京市仙林大道 163 号南京大学计算机系",
  "user": {
    "id": 19,
    "password":
"pbkdf2_sha256$36000$ACP2ZYKS5Xx4$DgNrpQxd77AH6g7zXwlW7zyXrBOR8+5HK6bvt71ID8k=",
    "last_login": "2017-07-17T10:56:33.601000Z",
    "is_superuser": false,
    "username": "zhangxu",
    "first_name": "",

```

```
    "last_name": "",
    "email": "takeyourminds@qq.com",
    "is_staff": false,
    "is_active": true,
    "date_joined": "2017-07-17T10:56:32.634000Z",
    "groups": [],
    "user_permissions": []
  }
}
若不存在详细信息则
{
  "detail": "Not found."
}
若未登录，则返回
{
  "detail": "Authentication credentials were not provided."
}
```

Parameter: 无

功能：修改密码

URL: <http://127.0.0.1:8000/rest-auth/password/change/>

Method: post

```
{
  "new_password1": "",
  "new_password2": ""
}
```

Return: {
 "detail": "New password has been saved."
}

Parameter: 无

功能：用户登出

URL: <http://127.0.0.1:8000/rest-auth/logout/>

Method: get or post

Return:

```
{
  "detail": "Successfully logged out."
}
```

Parameter: 无

以下 api 均是库存品操作 api，若未授权，则统一返回

```
{
  "detail": "Authentication credentials were not provided."
}
```

功能：拿到所有该账号下的库存品信息

URL: <http://127.0.0.1:8000/api/material/>

Method: get

Return: [

```
{
  "id": 8,
  "materialID": "Al001",
  "materialType": "铝",
  "materialStoreState": "SELL",
  "materialMark": "002",
  "materialNum": "0.00",
  "materialBand": null,
  "materialOriginal": null,
  "materialYear": null,
  "materialState": null,
  "materialPostion": null,
  "materialUnit": "0.00",
  "description": "金属类"
},
{
  "id": 9,
  "materialID": "Mn001",
  "materialType": "铁",
  "materialStoreState": "USING",
  "materialMark": "001",
  "materialNum": "25.00",
  "materialBand": null,
  "materialOriginal": null,
  "materialYear": null,
  "materialState": null,
  "materialPostion": null,
  "materialUnit": "0.00",
  "description": "asasa"
```

```
},
{
  "id": 10,
  "materialID": "Ge001",
  "materialType": "铁",
  "materialStoreState": "USING",
  "materialMark": "001",
  "materialNum": "0.00",
  "materialBand": null,
  "materialOriginal": null,
  "materialYear": null,
  "materialState": null,
  "materialPostion": null,
  "materialUnit": "0.00",
  "description": "asasa"
},
{
  "id": 13,
  "materialID": "Cu001",
  "materialType": "铁",
  "materialStoreState": "USING",
  "materialMark": "001",
  "materialNum": "23.00",
  "materialBand": null,
  "materialOriginal": null,
  "materialYear": null,
  "materialState": null,
  "materialPostion": null,
  "materialUnit": "0.00",
  "description": "sas"
},
{
  "id": 14,
  "materialID": "k111",
  "materialType": "铁",
  "materialStoreState": "USING",
  "materialMark": "001",
  "materialNum": "13.00",
  "materialBand": "APPLE",
  "materialOriginal": "中国",
  "materialYear": null,
  "materialState": "优",
  "materialPostion": "2 号仓库",
  "materialUnit": "12.00",
```

```
        "description": "asasa"
    }
]
```

Parameter: 无

功能：按照材料标号获取某一库存品信息，可进行删除、修改、查看操作

URL: <http://127.0.0.1:8000/api/material/AI001/> 其中 AI001 是材料标号

Method: get delete

update

```
{
    "id": 8,
    "materialID": "AI001",
    "materialType": "铝",
    "materialStoreState": "SELL",
    "materialMark": "002",
    "materialNum": "0.00",
    "materialBand": null,
    "materialOriginal": null,
    "materialYear": null,
    "materialState": null,
    "materialPostion": null,
    "materialUnit": "0.00",
    "description": "金属类"
}
```

若修改材料标号与数据库中有重复，则

[This ID has been using!]

Return: {

```
    "id": 8,
    "materialID": "AI001",
    "materialType": "铝",
    "materialStoreState": "SELL",
    "materialMark": "002",
    "materialNum": "0.00",
    "materialBand": null,
    "materialOriginal": null,
    "materialYear": null,
    "materialState": null,
    "materialPostion": null,
    "materialUnit": "0.00",
```

```
    "description": "金属类"
  }
Parameter: 材料标号
```

功能：获取某一库存品的入库记录

URL: <http://127.0.0.1:8000/api/material/inputlist?materialID=Cu001> 其中 Cu001 是材料标号

Method: get

```
Return: [
  {
    "id": 30,
    "inputDateTime": "2017-07-06",
    "inputOperator": "sa",
    "inputNum": "12.00",
    "inputMaterial": {
      "id": 13,
      "materialID": "Cu001",
      "materialType": "铁",
      "materialStoreState": "USING",
      "materialMark": "001",
      "materialNum": "23.00",
      "materialBand": null,
      "materialOriginal": null,
      "materialYear": null,
      "materialState": null,
      "materialPostion": null,
      "materialUnit": "0.00",
      "description": "sas",
      "owner": 2
    }
  },
  {
    "id": 31,
    "inputDateTime": "2017-07-06",
    "inputOperator": "sa",
    "inputNum": "12.00",
    "inputMaterial": {
      "id": 13,
      "materialID": "Cu001",
      "materialType": "铁",
      "materialStoreState": "USING",
      "materialMark": "001",
```

```

        "materialNum": "23.00",
        "materialBand": null,
        "materialOriginal": null,
        "materialYear": null,
        "materialState": null,
        "materialPostion": null,
        "materialUnit": "0.00",
        "description": "sas",
        "owner": 2
    }
}
]

```

Parameter: 库存品标号

功能：查看详细的入库记录

URL: http://127.0.0.1:8000/api/material_input_detail/23/ 其中 23 为入库记录的数据库 id，前一 api 已经返回

Method: get

```

Return: {
    "id": 30,
    "inputDateTime": "2017-07-06",
    "inputOperator": "sa",
    "inputNum": "12.00",
    "inputMaterial": {
        "id": 13,
        "materialID": "Cu001",
        "materialType": "铁",
        "materialStoreState": "USING",
        "materialMark": "001",
        "materialNum": "23.00",
        "materialBand": null,
        "materialOriginal": null,
        "materialYear": null,
        "materialState": null,
        "materialPostion": null,
        "materialUnit": "0.00",
        "description": "sas",
        "owner": 2
    }
}

```

Parameter: 入库记录的数据库 id

功能：入库操作

URL: http://127.0.0.1:8000/api/material_input/

Method: post

```
{
  "inputMaterial": {
    "materialID": "",
    "materialType": "",
    "materialStoreState": null,
    "materialMark": "",
    "materialBand": "",
    "materialOriginal": "",
    "materialYear": null,
    "materialState": "",
    "materialPostion": "",
    "materialUnit": null,
    "description": ""
  },
  "inputOperator": "",
  "inputNum": null
}
```

Return:

```
{
  "id": 33,
  "inputMaterial": {
    "id": 15,
    "materialID": "k112",
    "materialType": "铁",
    "materialStoreState": "USING",
    "materialMark": "001",
    "materialBand": "APPLE",
    "materialOriginal": "中国",
    "materialYear": "2017-06-30",
    "materialState": "优",
    "materialPostion": "2 号仓库",
    "materialUnit": "12.00",
    "description": "sas"
  },
  "inputDateTime": "2017-07-09",
  "inputOperator": "zhang",
  "inputNum": "15.00"
}
```

```
}
```

Parameter: 无

功能：获取某一库存品的出库记录

URL: <http://127.0.0.1:8000/api/material/outputlist?materialID=Cu001> 其中 Cu001 是材料标号

Method: get

Return:

```
[
  {
    "id": 6,
    "outputDateTime": "2017-07-06",
    "materialUser": "英国",
    "outputOperator": "zhang",
    "outputNum": "1.00",
    "outputMaterial": {
      "id": 13,
      "materialID": "Cu001",
      "materialType": "铁",
      "materialStoreState": "USING",
      "materialMark": "001",
      "materialNum": "23.00",
      "materialBand": null,
      "materialOriginal": null,
      "materialYear": null,
      "materialState": null,
      "materialPostion": null,
      "materialUnit": "0.00",
      "description": "sas",
      "owner": 2
    }
  }
]
```

Parameter: 材料标号

功能：查看详细的出库记录

URL: http://127.0.0.1:8000/api/material_output_detail/6/

Method: update, delete, get

```
{
```

```
"id": 6,
"outputDateTime": "2017-07-06",
"materialUser": "英国",
"outputOperator": "zhang",
"outputNum": "1.00",
"outputMaterial": {
  "id": 13,
  "materialID": "Cu001",
  "materialType": "铁",
  "materialStoreState": "USING",
  "materialMark": "001",
  "materialNum": "23.00",
  "materialBand": null,
  "materialOriginal": null,
  "materialYear": null,
  "materialState": null,
  "materialPostion": null,
  "materialUnit": "0.00",
  "description": "sas",
  "owner": 2
}
}
```

只有 materialUser 和 outputOperator 可以进行 update

Return:

```
{
  "id": 6,
  "outputDateTime": "2017-07-06",
  "materialUser": "英国",
  "outputOperator": "zhang",
  "outputNum": "1.00",
  "outputMaterial": {
    "id": 13,
    "materialID": "Cu001",
    "materialType": "铁",
    "materialStoreState": "USING",
    "materialMark": "001",
    "materialNum": "23.00",
    "materialBand": null,
    "materialOriginal": null,
    "materialYear": null,
    "materialState": null,
    "materialPostion": null,
    "materialUnit": "0.00",
    "description": "sas",
```

```
        "owner": 2
    }
}
```

Parameter: 出库记录的数据库 id 号

功能：出库操作

URL: http://127.0.0.1:8000/api/material_output/

Method: post

```
{
    "outputMaterial": {
        "materialID": ""
    },
    "materialUser": "",
    "outputOperator": "",
    "outputNum": null
}
```

```
Return: {
    "id": 10,
    "outputMaterial": {
        "materialID": "Cu001"
    },
    "outputDateTime": "2017-07-09",
    "materialUser": "英国",
    "outputOperator": "zhang",
    "outputNum": "2.00"
}
```

若余量不足，则

```
[
    "Left Num Lack"
]
```

Parameter:

功能：有条件查找库存品

URL: <http://127.0.0.1:8000/api/material/search?materialID=C>

Method: get

```
Return: [
    {
        "id": 13,
```

```
"materialID": "Cu001",  
"materialType": "铁",  
"materialStoreState": "USING",  
"materialMark": "001",  
"materialNum": "21.00",  
"materialBand": null,  
"materialOriginal": null,  
"materialYear": null,  
"materialState": null,  
"materialPostion": null,  
"materialUnit": "0.00",  
"description": "sas"  
}  
]  
Parameter : materialID materialType materialBand materialOriginal materialPostion  
materialYearStart materialYearEnd 可以按照上述字段查找库存品
```