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/users/
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：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/Al001/ 其中 Al001 是材料标号

Method：get delete

update

```
{
    "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"
}
```

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": "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"
}
```
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：获取某一库存品的入库记录

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：查看详细的入库记录

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：出库记录
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