一、未授权处理

以下 api 均是库存品操作 api，若未授权，即用户没有登录，则无法执行任何操作，则统一返回如下数据：

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

二、入库

URL: http://118.89.20.122:8888/api/material_input/

Method：post

1、正常

```
{
    "id": 742,
    "inputMaterial": {
        "id": 348,
        "materialID": "eee",
        "materialType": "eee",
        "materialStoreState": "在用",
        "materialMark": "eee",
        "materialBand": "eee",
        "materialOriginal": "eee",
        "materialYear": "2000-01-01",
        "materialState": "eeee",
        "materialPosition": "eeee",
        "materialUnit": "1000.00",
        "description": "eee"
    },
    "inputDateTime": "2010-01-01",
    "inputOperator": "sss",
    "inputNum": "1000.00",
    "inputDescription": "eeee"
}
```

2、空缺

```
{
    "inputDateTime": [
        "Date has wrong format. Use one of these formats instead: YYYY[-MM[-DD]]."
    ],
    "inputOperator": [
        "This field may not be blank."
    ],
    "inputNum": [
        "A valid number is required."
    ]
}
```

3、长字符串

```
{
    "inputMaterial": {
        "materialID": [
            "Ensure this field has no more than 100 characters."
        ],
        "materialType": [
            "Ensure this field has no more than 100 characters."
        ],
        "materialMark": [
```

```
            "Ensure this field has no more than 100 characters."
        ],
        "materialBand": [
            "Ensure this field has no more than 100 characters."
        ],
        "materialOriginal": [
            "Ensure this field has no more than 100 characters."
        ],
        "materialState": [
            "Ensure this field has no more than 100 characters."
        ],
        "materialPosition": [
            "Ensure this field has no more than 100 characters."
        ]
    }
}
```

4、各类输入错误

```
{ //入库数量为负数
    "inputNum": [
        "Input Number is negative!"
    ]
}
```

```
{ //入库数量有效位不能超过8位
    "inputMaterial": {
        "materialUnit": [
            "Ensure that there are no more than 8 digits in total."
        ]
    }
}
```

```
{ //入库数量小数点前不能超过6位
    "inputMaterial": {
        "materialUnit": [
            "Ensure that there are no more than 6 digits before the decimal point."
        ]
    }
}
```

```
{ //入库数量小数点后不能超过2位
    "inputMaterial": {
        "materialUnit": [
            "Ensure that there are no more than 2 decimal places."
        ]
    }
}
```

```
{//材料单位原值为负数
    "inputMaterial": {
        "materialUnit": [
            "Material Unit is negative!"
        ]
    }
}
```

```
{//材料单位原值有效位不能超过8位
```

```json
    "inputNum": [
        "Ensure that there are no more than 8 digits in total."
    ]
}

{//材料单位原值小数点前不能超过6位
    "inputNum": [
        "Ensure that there are no more than 6 digits before the decimal point."
    ]
}

{//材料单位原值为小数点后不能超过2位
    "inputNum": [
        "Ensure that there are no more than 2 decimal places."
    ]
}

{//输入不合法的年月日
    "inputDateTime": [
        "Date has wrong format. Use one of these formats instead: YYYY[-MM[-DD]]."
    ]
}
```

三、拿到所有库存品信息
URL: http://118.89.20.122:8888/api/material/

Method：get

```json
{
    "count": 36,
    "next": "http://118.89.20.122:8888/api/material/?limit=10&offset=10",
    "previous": null,
    "results": [
        {
            "id": 3,
            "materialID": "???",
            "materialType": "???",
            "materialStoreState": "闲置可售",
            "materialMark": "???",
            "materialNum": "-2.00",
            "materialBand": "1",
            "materialOriginal": "1",
            "materialYear": "1111-01-01",
            "materialState": "1",
            "materialPosition": "1",
            "materialUnit": "3.20",
            "description": "???",
            "company": null
        },
        {
            "id": 4,
            "materialID": "2",
            "materialType": "2",
            "materialStoreState": "闲置可用",
            "materialMark": "2",
            "materialNum": "-2.00",
            "materialBand": "2",
            "materialOriginal": "2",
```

      "materialYear": "2222-02-02",
      "materialState": "2",
      "materialPosition": "2",
      "materialUnit": "2.00",
      "description": "2",
      "company": null
    },
    {
      "id": 6,
      "materialID": "t1",
      "materialType": "1",
      "materialStoreState": "在用",
      "materialMark": "1",
      "materialNum": "-3.00",
      "materialBand": "1",
      "materialOriginal": "1",
      "materialYear": "1998-04-11",
      "materialState": "1",
      "materialPosition": "1",
      "materialUnit": "3.20",
      "description": "1",
      "company": null
    },
    {
      "id": 8,
      "materialID": "-1",
      "materialType": "1",
      "materialStoreState": "在用",
      "materialMark": "1",
      "materialNum": "-1.50",
      "materialBand": "1",
      "materialOriginal": "1",
      "materialYear": "1111-01-01",
      "materialState": "1",
      "materialPosition": "1",
      "materialUnit": "-2.00",
      "description": "1",
      "company": null
    },
    {
      "id": 10,
      "materialID": "3.0",
      "materialType": "",
      "materialStoreState": "在用",
      "materialMark": "",
      "materialNum": "-5.00",
      "materialBand": "",
      "materialOriginal": "",
      "materialYear": null,
      "materialState": "",
      "materialPosition": "",
      "materialUnit": "32000.00",
      "description": "",
      "company": null
    },
    {
      "id": 11,
      "materialID": "32",
      "materialType": "",

```
                "materialStoreState": "在用",
                "materialMark": "",
                "materialNum": "1.00",
                "materialBand": "",
                "materialOriginal": "",
                "materialYear": null,
                "materialState": "",
                "materialPosition": "",
                "materialUnit": "32000.00",
                "description": "",
                "company": null
            },
            {
                "id": 12,
                "materialID": "36",
                "materialType": "",
                "materialStoreState": "在用",
                "materialMark": "",
                "materialNum": "2224.00",
                "materialBand": "",
                "materialOriginal": "",
                "materialYear": null,
                "materialState": "",
                "materialPosition": "",
                "materialUnit": "23.00",
                "description": "",
                "company": null
            }
```

四、查看单个库存品的详细信息，可进行删除、修改、查看操作
URL: http://118.89.20.122:8888/api/material/inputlist?id=4
1、正常

```
{
    "id": 4,
    "materialID": "2",
    "materialType": "2",
    "materialStoreState": "闲置可用",
    "materialMark": "2",
    "materialNum": "-2.00",
    "materialBand": "2",
    "materialOriginal": "2",
    "materialYear": "2222-02-02",
    "materialState": "2",
    "materialPosition": "2",
    "materialUnit": "2.00",
    "description": "2",
    "company": null
}
```

2、未找到

```
{
    "detail": "Not found."
}
```

五、功能：查看详细的入库记录
URL: http://118.89.20.122:8888/api/material_input_detail/3/
1、正常
```
{
    "id": 3,
    "inputDateTime": "2017-07-24",
    "inputOperator": "1",
    "inputNum": "-2.00",
    "inputDescription": ""
}
```
2、未找到
```
{
    "detail": "Not found."
}
```


六、出库
URL: http://118.89.20.122:8888/api/material_output/

1、正常
```
{
    "id": 337,
    "outputMaterial": {
        "materialID": "mmm",
        "id": 342
    },
    "outputDateTime": "2017-01-01",
    "materialUser": "asas",
    "outputOperator": "sss",
    "leftNum": "386.00",
    "outputNum": "10.00",
    "outputDescription": ""
}
```

2、长字符串
```
{
  "materialUser": [
      "Ensure this field has no more than 100 characters."
  ],
  "outputOperator": [
      "Ensure this field has no more than 100 characters."
  ]
}
```

3、日期格式不合法
```
{
    "outputDateTime": [
        "Date has wrong format. Use one of these formats instead: YYYY[-MM[-DD]]."
    ],
}
```

4、数量不够
```
{
    "materialNum": "Left Number is insufficient!"
}
```

5、出货量为负数
```
{
    "outputNum": [
        "Output Number is negative!"
    ]
}
```

6、出货量太大
```
{
    "outputNum": [
        "Ensure that there are no more than 8 digits in total."
    ]
}
```

7、货物不存在
```
{
    "detail": "There is no such goods!"
}
```

七、功能：查看详细的出库记录
URL: http://118.89.20.122:8888/api/material/outputlist?id=12 id为材料ID
1、正常
```
{
    "count": 2,
    "next": null,
    "previous": null,
    "results": [
        {
            "id": 338,
            "outputDateTime": "2010-01-01",
            "materialUser": "sss",
            "outputOperator": "ssss",
            "leftNum": "1224.00",
            "outputNum": "1000.00",
            "outputDescription": ""
        },
        {
            "id": 339,
            "outputDateTime": "2010-01-01",
            "materialUser": "sss",
            "outputOperator": "sssss",
            "leftNum": "1223.00",
            "outputNum": "1.00",
            "outputDescription": ""
        }
    ]
}
```
2、未找到
```
{
    "count": 0,
    "next": null,
    "previous": null,
    "results": []
}
```

八、有条件查

可按照materailID、materailType、materialBand、materailOriginal、materailPosition查找

（下为按照materailID模糊查找的例子）

URL:http://118.89.20.122:8888/api/material/search?materialID=6 //按照材料ID, 模糊查找

{
    "count": 3,
    "next": null,
    "previous": null,
    "results": [
        {
            "id": 12,
            "materialID": "36",
            "materialType": "",
            "materialStoreState": "在用",
            "materialMark": "",
            "materialNum": "1223.00",
            "materialBand": "",
            "materialOriginal": "",
            "materialYear": null,
            "materialState": "",
            "materialPosition": "",
            "materialUnit": "23.00",
            "description": "",
            "company": null
        },
        {
            "id": 21,
            "materialID": "6",
            "materialType": "6",
            "materialStoreState": "在用",
            "materialMark": "6",
            "materialNum": "65.00",
            "materialBand": "6",
            "materialOriginal": "6",
            "materialYear": "6666-02-03",
            "materialState": "6",
            "materialPosition": "6",
            "materialUnit": "-6.00",
            "description": "",
            "company": null
        },
        {
            "id": 135,
            "materialID": "60",
            "materialType": "2",
            "materialStoreState": "在用",
            "materialMark": "2",
            "materialNum": "2222.00",
            "materialBand": "2",
            "materialOriginal": "2",
            "materialYear": "2222-11-11",
            "materialState": "2",
            "materialPosition": "2",
            "materialUnit": "2.00",
            "description": "2",
            "company": null
        }
    ]
}

}