

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

没有找到相关记录:

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

修改的单位原值为负数:

```
Return:
{
  "materialUnit": [
    "Material Unit is negative!"
  ]
}
```

日期格式不正确（报错信息见“入库”）

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

找不到相关记录:

Return:

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

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

空缺测试:

```
Return:
{
  "inputMaterial": {
    "materialID": [
      "This field may not be blank."
    ],
    "materialUnit": [
      "This field may not be blank."
    ]
  }
}
```

```

    },
    "inputOperator": [
        "This field may not be blank."
    ],
    "inputNum": [
        "A valid number is required."
    ]
}

```

长字符串:

```

Return:
{
    "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."
        ],
        "materialPostion": [
            "Ensure this field has no more than 100 characters."
        ],
        "materialUnit": [
            "String value too large."
        ]
    },
    "inputOperator": [
        "Ensure this field has no more than 100 characters."
    ],
    "inputNum": [
        "String value too large."
    ]
}

```

各种格式问题:

```

Return:
{
    "inputMaterial": {
        "materialYear": [
            "Date has wrong format. Use one of these formats instead: YYYY[-MM[-DD]]."
        ],
    },
}

```

```
"materialUnit": [//输入的不是数字时
    "A valid number is required."
],
"materialUnit": [//输入负数
    "Material Unit is negative!"
]
},
"materialUnit": [//输入数字过大时
    "Ensure that there are no more than 8 digits in total."
],
"inputNum": [//输入的不是数字或为空时
    "A valid number is required."
]
"inputNum": [//输入负数
    "Input Number is negative!"
]
}
```


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

//与删除入库记录相似的负值问题

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:

空缺:

```
Return:
{
  "outputMaterial": {
    "materialID": [
      "This field may not be blank."
    ]
  },
  "outputOperator": [
    "This field may not be blank."
  ],
  "outputNum": [
    "A valid number is required."
  ]
}
```

长字符串:

```
Return:
{
  "outputMaterial": {
    "materialID": [
      "Ensure this field has no more than 100 characters."
    ]
  },
  "materialUser": [
    "Ensure this field has no more than 100 characters."
  ],
  "outputOperator": [
    "Ensure this field has no more than 100 characters."
  ]
}
```

```
    ],  
    "outputNum": [  
        "String value too large."  
    ]  
}
```

格式:

```
Return:  
{  
    "outputNum": [  
        "A valid number is required."  
    ]  
}
```

没找到相关货物:

```
Return:  
[  
    "There is no such goods!"  
]
```

出货为负数:

```
{  
    "outputNum": [  
        "Output Number is negative!"  
    ]  
}
```

余量不足:

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

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