

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/equipment_input/

Method: post

1. 正常

```
{
  "id": 3,
  "inputEquipment": {
    "id": 2,
    "equipmentID": "3",
    "equipmentType": "2333",
    "equipmentStoreState": "在用",
    "equipmentMark": "233333",
    "equipmentHour": 0,
    "equipmentBand": "3",
    "equipmentOriginal": "3",
    "equipmentYear": "1111-11-11",
    "equipmentState": "2333",
    "equipmentPosition": "2333",
    "equipmentUnit": "1.00",
    "description": "123"
  },
  "inputDateTime": "2017-08-29",
  "inputOperator": "xxz",
  "inputNum": 1
}
```

2. 空缺

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

3.长字符串

```

{
  "inputEquipment": {
    "equipmentID": [
      "Ensure this field has no more than 100 characters."
    ],
    "equipmentType": [
      "Ensure this field has no more than 100 characters."
    ],
    "equipmentMark": [
      "Ensure this field has no more than 100 characters."
    ],
    "equipmentBand": [
      "Ensure this field has no more than 100 characters."
    ],
    "equipmentOriginal": [
      "Ensure this field has no more than 100 characters."
    ],
    "equipmentYear": [
      "Date has wrong format. Use one of these formats instead: YYYY[-MM[-DD]]."
    ],
    "equipmentState": [
      "Ensure this field has no more than 100 characters."
    ],
    "equipmentPosition": [
      "Ensure this field has no more than 100 characters."
    ],
    "equipmentUnit": [
      "String value too large."
    ]
  },
  "inputDateTime": [
    "Date has wrong format. Use one of these formats instead: YYYY[-MM[-DD]]."
  ],
  "inputOperator": [
    "Ensure this field has no more than 100 characters."
  ],
  "inputNum": [
    "A valid integer is required."
  ]
}

```

3. 各类输入格式错误

```

{
  "inputEquipment": {
    "equipmentHour": [//输入小数
      "A valid integer is required."
    ],
    "equipmentHour": [//负数
      "equipment Hour is negative!"
    ],
    "equipmentHour": [//数字过大
      "Ensure this value is less than or equal to 2147483647."
    ],
    "equipmentYear": [
      "Date has wrong format. Use one of these formats instead: YYYY[-MM[-DD]]."
    ],
    "equipmentUnit": [//输入负数
      "equipment Unit is negative!"
    ]
  }
}

```

```

    ],
    "equipmentUnit": [/输入非数
        "A valid number is required."
    ],
    "equipmentUnit": [/输入大数
        "Ensure that there are no more than 8 digits in total."
    ]
},
},
"inputDateTime": [
    "Date has wrong format. Use one of these formats instead: YYYY[-MM[-DD]]."
],
"inputNum": [/输入负数
    "Input Number is negative!"
],
"inputNum": [/输入小数/非数/空
    "A valid integer is required."
],
"inputNum": [/输入大数
    "Ensure this value is less than or equal to 2147483647."
]
}

```

三、拿到所有库存品信息

URL: <http://118.89.20.122:8888/api/equipment/>

Method: get

正常:

```

[
  {
    "id": 2,
    "equipmentID": "3",
    "equipmentType": "2333",
    "equipmentStoreState": "在用",
    "equipmentMark": "233333",
    "equipmentNum": 4,
    "equipmentHour": 0,
    "equipmentBand": "3",
    "equipmentOriginal": "3",
    "equipmentYear": "1111-11-11",
    "equipmentState": "2333",
    "equipmentPosition": "2333",
    "equipmentUnit": "1.00",
    "description": "123"
  },
  {
    "id": 3,
    "equipmentID": "1",
    "equipmentType": "2333",
    "equipmentStoreState": "在用",
    "equipmentMark": "233333",
    "equipmentNum": 3,
    "equipmentHour": 0,
    "equipmentBand": "3",
    "equipmentOriginal": "3",
    "equipmentYear": "1111-11-11",
    "equipmentState": "2333",

```

```

    "equipmentPosition": "2333",
    "equipmentUnit": "3.26",
    "description": "123"
  },
  {
    "id": 8,
    "equipmentID": "a",
    "equipmentType": "2333",
    "equipmentStoreState": "在用",
    "equipmentMark": "2333",
    "equipmentNum": 2333,
    "equipmentHour": 123,
    "equipmentBand": "123",
    "equipmentOriginal": "123",
    "equipmentYear": "1111-11-11",
    "equipmentState": "123",
    "equipmentPosition": "123",
    "equipmentUnit": "123.00",
    "description": ""
  },
  {
    "id": 9,
    "equipmentID": "b",
    "equipmentType": "2333",
    "equipmentStoreState": "在用",
    "equipmentMark": "2333",
    "equipmentNum": 9332,
    "equipmentHour": 123,
    "equipmentBand": "123",
    "equipmentOriginal": "123",
    "equipmentYear": "1111-11-11",
    "equipmentState": "123",
    "equipmentPosition": "123",
    "equipmentUnit": "123.00",
    "description": ""
  },
  {
    "id": 10,
    "equipmentID": "c",
    "equipmentType": "2333",
    "equipmentStoreState": "在用",
    "equipmentMark": "2333",
    "equipmentNum": 2333,
    "equipmentHour": 123,
    "equipmentBand": "123",
    "equipmentOriginal": "123",
    "equipmentYear": "1111-11-11",
    "equipmentState": "123",
    "equipmentPosition": "123",
    "equipmentUnit": "123.00",
    "description": ""
  }
]

```

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/equipment/Al001/> 其中Al001是材料标号

Method: get delete

1.正常

```
{
  "id": 2,
  "equipmentID": "3",
  "equipmentType": "2333",
  "equipmentStoreState": "在用",
  "equipmentMark": "233333",
  "equipmentNum": 4,
  "equipmentHour": 30,
  "equipmentBand": "3",
  "equipmentOriginal": "3",
  "equipmentYear": "1111-11-11",
  "equipmentState": "2333",
  "equipmentPosition": "2333",
  "equipmentUnit": "5.00",
  "description": "123"
}
```

2.重复

```
{
  "equipmentID": "This ID has been used!"
}
```

3.未找到

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

4.各类格式错误报错信息同入库

五、获得某一库存品入库记录

URL: <http://118.89.20.122:8888/api/equipment/inputlist?equipmentID=Cu001> 其中Cu001是材料标号

Method: get

1.正常

```
[
  {
    "id": 13,
    "inputDateTime": "1111-11-11",
    "inputOperator": "123",
    "inputNum": 2333,
    "inputEquipment": {
      "id": 9,
      "equipmentID": "b",
      "equipmentType": "2333",
      "equipmentStoreState": "在用",
      "equipmentMark": "2333",
      "equipmentNum": 9332,
      "equipmentHour": 123,
      "equipmentBand": "123",
      "equipmentOriginal": "123",
      "equipmentYear": "1111-11-11",
      "equipmentState": "123",
      "equipmentPosition": "123",
      "equipmentUnit": "123.00",
      "description": "",
      "owner": 10
    }
  },
  {

```

```
"id": 14,
"inputDateTime": "1111-11-11",
"inputOperator": "123",
"inputNum": 2333,
"inputEquipment": {
  "id": 9,
  "equipmentID": "b",
  "equipmentType": "2333",
  "equipmentStoreState": "在用",
  "equipmentMark": "2333",
  "equipmentNum": 9332,
  "equipmentHour": 123,
  "equipmentBand": "123",
  "equipmentOriginal": "123",
  "equipmentYear": "1111-11-11",
  "equipmentState": "123",
  "equipmentPosition": "123",
  "equipmentUnit": "123.00",
  "description": "",
  "owner": 10
}
},
{
  "id": 15,
  "inputDateTime": "1111-11-11",
  "inputOperator": "123",
  "inputNum": 2333,
  "inputEquipment": {
    "id": 9,
    "equipmentID": "b",
    "equipmentType": "2333",
    "equipmentStoreState": "在用",
    "equipmentMark": "2333",
    "equipmentNum": 9332,
    "equipmentHour": 123,
    "equipmentBand": "123",
    "equipmentOriginal": "123",
    "equipmentYear": "1111-11-11",
    "equipmentState": "123",
    "equipmentPosition": "123",
    "equipmentUnit": "123.00",
    "description": "",
    "owner": 10
  }
},
{
  "id": 16,
  "inputDateTime": "1111-11-11",
  "inputOperator": "123",
  "inputNum": 2333,
  "inputEquipment": {
    "id": 9,
    "equipmentID": "b",
    "equipmentType": "2333",
    "equipmentStoreState": "在用",
    "equipmentMark": "2333",
    "equipmentNum": 9332,
    "equipmentHour": 123,
    "equipmentBand": "123",
```

```

        "equipmentOriginal": "123",
        "equipmentYear": "1111-11-11",
        "equipmentState": "123",
        "equipmentPosition": "123",
        "equipmentUnit": "123.00",
        "description": "",
        "owner": 10
    }
}
]

```

2.不存在的equipmentID

不报错，返回空

六、查看详细入库记录

URL: http://118.89.20.122:8888/api/equipment_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

1.正常

```

{
  "id": 15,
  "inputDateTime": "1111-11-01",
  "inputOperator": "123",
  "inputNum": 2333,
  "inputEquipment": {
    "id": 9,
    "equipmentID": "b",
    "equipmentType": "2333",
    "equipmentStoreState": "在用",
    "equipmentMark": "2333",
    "equipmentNum": 9332,
    "equipmentHour": 123,
    "equipmentBand": "123",
    "equipmentOriginal": "123",
    "equipmentYear": "1111-11-11",
    "equipmentState": "123",
    "equipmentPosition": "123",
    "equipmentUnit": "123.00",
    "description": "",
    "owner": 10
  }
}

```

2.没有相关记录

```

{
  "detail": "Not found."
}

```

七、出库

URL: http://118.89.20.122:8888/api/equipment_output/

Method: post

1.正常

```

{
  "id": 3,
  "outputEquipment": {
    "equipmentID": "3"
  }
}

```

```
},
"outputDateTime": "2017-07-07",
"equipmentUser": "x",
"outputOperator": "xxz2",
"leftNum": 3,
"outputNum": 1
}
```

2.空缺

```
{
  "outputEquipment": {
    "equipmentID": [
      "This field may not be blank."
    ]
  },
  "outputDateTime": [
    "Date has wrong format. Use one of these formats instead: YYYY[-MM[-DD]]."
  ],
  "equipmentUser": [
    "This field may not be blank."
  ],
  "outputOperator": [
    "This field may not be blank."
  ],
  "outputNum": [
    "A valid integer is required."
  ]
}
```

3.各类格式问题

```
{
  "outputDateTime": [//日期
    "Date has wrong format. Use one of these formats instead: YYYY[-MM[-DD]]."
  ],
  "outputNum": [//输入小数
    "A valid integer is required."
  ],
  "outputNum": [//输入负数
    "Output Number is negative!"
  ],

  "outputNum": [//输入过大的数
    "Ensure this value is less than or equal to 2147483647."
  ]
}
```

4.数量不够

```
{
  "equipmentNum": "Left Number is insufficient!"
}
```

5.货物不存在

```
{
  "detail": "There is no such goods!"
}
```

6.长字符串

```
{
```



```

"outputEquipment": {
  "equipmentID": [
    "Ensure this field has no more than 100 characters."
  ]
},
"equipmentUser": [
  "Ensure this field has no more than 100 characters."
],
"outputOperator": [
  "Ensure this field has no more than 100 characters."
]
}

```

八、获取出库记录

URL: <http://118.89.20.122:8888/api/equipment/outputlist?equipmentID=Cu001> 其中Cu001是材料标号

Method: get

1.正常

```

[
  {
    "id": 4,
    "outputDateTime": "2000-01-01",
    "equipmentUser": "1",
    "outputOperator": "xxz",
    "leftNum": 9331,
    "outputNum": 1,
    "outputEquipment": {
      "id": 9,
      "equipmentID": "b",
      "equipmentType": "2333",
      "equipmentStoreState": "在用",
      "equipmentMark": "2333",
      "equipmentNum": 7029,
      "equipmentHour": 123,
      "equipmentBand": "123",
      "equipmentOriginal": "123",
      "equipmentYear": "1111-11-11",
      "equipmentState": "123",
      "equipmentPosition": "123",
      "equipmentUnit": "123.00",
      "description": "",
      "owner": 10
    }
  },
  {
    "id": 5,
    "outputDateTime": "2000-01-01",
    "equipmentUser": "1",
    "outputOperator": "xxz",
    "leftNum": 9330,
    "outputNum": 1,
    "outputEquipment": {
      "id": 9,
      "equipmentID": "b",
      "equipmentType": "2333",
      "equipmentStoreState": "在用",
      "equipmentMark": "2333",

```

```

        "equipmentNum": 7029,
        "equipmentHour": 123,
        "equipmentBand": "123",
        "equipmentOriginal": "123",
        "equipmentYear": "1111-11-11",
        "equipmentState": "123",
        "equipmentPosition": "123",
        "equipmentUnit": "123.00",
        "description": "",
        "owner": 10
    }
},
{
    "id": 6,
    "outputDateTime": "2000-01-01",
    "equipmentUser": "1",
    "outputOperator": "xxz",
    "leftNum": 9329,
    "outputNum": 1,
    "outputEquipment": {
        "id": 9,
        "equipmentID": "b",
        "equipmentType": "2333",
        "equipmentStoreState": "在用",
        "equipmentMark": "2333",
        "equipmentNum": 7029,
        "equipmentHour": 123,
        "equipmentBand": "123",
        "equipmentOriginal": "123",
        "equipmentYear": "1111-11-11",
        "equipmentState": "123",
        "equipmentPosition": "123",
        "equipmentUnit": "123.00",
        "description": "",
        "owner": 10
    }
},
{
    "id": 7,
    "outputDateTime": "2000-01-01",
    "equipmentUser": "1",
    "outputOperator": "xxz",
    "leftNum": 9229,
    "outputNum": 100,
    "outputEquipment": {
        "id": 9,
        "equipmentID": "b",
        "equipmentType": "2333",
        "equipmentStoreState": "在用",
        "equipmentMark": "2333",
        "equipmentNum": 7029,
        "equipmentHour": 123,
        "equipmentBand": "123",
        "equipmentOriginal": "123",
        "equipmentYear": "1111-11-11",
        "equipmentState": "123",
        "equipmentPosition": "123",
        "equipmentUnit": "123.00",
        "description": "",
        "owner": 10
    }
}

```

```

    }
  },
  {
    "id": 8,
    "outputDateTime": "2000-01-01",
    "equipmentUser": "1",
    "outputOperator": "xxz",
    "leftNum": 9129,
    "outputNum": 100,
    "outputEquipment": {
      "id": 9,
      "equipmentID": "b",
      "equipmentType": "2333",
      "equipmentStoreState": "在用",
      "equipmentMark": "2333",
      "equipmentNum": 7029,
      "equipmentHour": 123,
      "equipmentBand": "123",
      "equipmentOriginal": "123",
      "equipmentYear": "1111-11-11",
      "equipmentState": "123",
      "equipmentPosition": "123",
      "equipmentUnit": "123.00",
      "description": "",
      "owner": 10
    }
  },
  {
    "id": 9,
    "outputDateTime": "2000-01-01",
    "equipmentUser": "1",
    "outputOperator": "xxz",
    "leftNum": 9029,
    "outputNum": 100,
    "outputEquipment": {
      "id": 9,
      "equipmentID": "b",
      "equipmentType": "2333",
      "equipmentStoreState": "在用",
      "equipmentMark": "2333",
      "equipmentNum": 7029,
      "equipmentHour": 123,
      "equipmentBand": "123",
      "equipmentOriginal": "123",
      "equipmentYear": "1111-11-11",
      "equipmentState": "123",
      "equipmentPosition": "123",
      "equipmentUnit": "123.00",
      "description": "",
      "owner": 10
    }
  },
  {
    "id": 10,
    "outputDateTime": "2000-01-01",
    "equipmentUser": "1",
    "outputOperator": "xxz",
    "leftNum": 8029,
    "outputNum": 1000,
    "outputEquipment": {

```

```

        "id": 9,
        "equipmentID": "b",
        "equipmentType": "2333",
        "equipmentStoreState": "在用",
        "equipmentMark": "2333",
        "equipmentNum": 7029,
        "equipmentHour": 123,
        "equipmentBand": "123",
        "equipmentOriginal": "123",
        "equipmentYear": "1111-11-11",
        "equipmentState": "123",
        "equipmentPosition": "123",
        "equipmentUnit": "123.00",
        "description": "",
        "owner": 10
    }
},
{
    "id": 11,
    "outputDateTime": "2000-01-01",
    "equipmentUser": "1",
    "outputOperator": "xxz",
    "leftNum": 7029,
    "outputNum": 1000,
    "outputEquipment": {
        "id": 9,
        "equipmentID": "b",
        "equipmentType": "2333",
        "equipmentStoreState": "在用",
        "equipmentMark": "2333",
        "equipmentNum": 7029,
        "equipmentHour": 123,
        "equipmentBand": "123",
        "equipmentOriginal": "123",
        "equipmentYear": "1111-11-11",
        "equipmentState": "123",
        "equipmentPosition": "123",
        "equipmentUnit": "123.00",
        "description": "",
        "owner": 10
    }
}
]

```

2. 没有相关记录：

返回空，不报错

九、查看详细出货记录

URL: http://118.89.20.122:8888/api/equipment_output_detail/6/

Method: update, delete, get

1.正常

```

{
    "id": 4,
    "outputDateTime": "2000-01-01",
    "equipmentUser": "1",
    "outputOperator": "xxz",
    "leftNum": 9331,
    "outputNum": 1,

```

```
"outputEquipment": {
  "id": 9,
  "equipmentID": "b",
  "equipmentType": "2333",
  "equipmentStoreState": "在用",
  "equipmentMark": "2333",
  "equipmentNum": 7029,
  "equipmentHour": 123,
  "equipmentBand": "123",
  "equipmentOriginal": "123",
  "equipmentYear": "1111-11-11",
  "equipmentState": "123",
  "equipmentPosition": "123",
  "equipmentUnit": "123.00",
  "description": "",
  "owner": 10
}
```

2.没找到相关记录

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

3.格式问题同之前

十、有条件查找

URL: <http://118.89.20.122:8888/api/equipment/search?equipmentID=C>

Method: get

Parameter: equipmentID equipmentType equipmentBand equipmentOriginal equipmentPostion
equipmentYearStart equipmentYearEnd 可以按照上述字段查找库存品

日期格式错误

```
{
  "detail": "Invalid time format!"
}
```