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修改记录

|  |  |  |  |
| --- | --- | --- | --- |
|  | 2018-05-10 | 徐燕萍 | 文档建立 |
|  | 2018-05-24 |  | 增加领用及还库 |
|  | 2018-05-29 |  | 产品入库验收增加注册证的自动填入，详见 **2.1** |
|  | 2020-02-13 |  | 添加出库单附件管理 |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

# 一、产品入库验收

模块权限代码（PrivilegeCode）: yanshou

界面字段说明

|  |  |  |
| --- | --- | --- |
| 字段描述 | 字段名称 | 备注 |
| 存放科室 | DeptCode | 绑定下拉列表，绑定字段：DeptCode,  显示字段：DepartmentName，考虑科室可能会较多，下拉可以根据用户输入的拼音码检索  数据取得详见：存放科室获取 |
| 产品主条码 | Barcode |  |
| 产品次条码 | SubBarcode |  |
| 品名 | ProductInfoName |  |
| 规格 | Specification |  |
| 型号 | Model |  |
| 生产日期 | ProductionDate |  |
| 有效期 | EffectiveDate |  |
| 批号 | Lot |  |
| 序列号 | SN |  |
| 单位 | UnitName |  |
| 库存类型 | Buy | 0：自购，1备货， 空：未定义 |
| 注册证 | RegisterNum | 绑定下拉列表，选择后赋值 |
| 供应商列表： | | |
| 供应商 | SupplierName |  |
| 数量 |  | 明细数据 |
| 注册证列表 | | |
| 注册证号 | RegistrationCard |  |
| 开始日期 | StartDate |  |
| 结束日期 | EndDate |  |

## 1、存放科室获取

|  |  |
| --- | --- |
| 请求方式 | Get |
| URL | MDepartment |

参数：

|  |  |  |
| --- | --- | --- |
| 字段描述 | 字段名称 | 备注 |
| 无 |  |  |

返回字段

|  |  |  |
| --- | --- | --- |
| 字段描述 | 字段名称 | 备注 |
| 科室代码 | DeptCode |  |
| 科室名称 | DepartmentName |  |
| 拼音码 | PinYin |  |

请求样本实例：无

返回样本示例：

[

{

"DeptCode": "000001",

"DepartmentName": "设备科",

"PinYin": "sbk"

},

{

"DeptCode": "000002",

"DepartmentName": "心内介入手术室",

"PinYin": "xnjrsss"

},

{

"DeptCode": "000003",

"DepartmentName": "介入手术室一",

"PinYin": "jrsssy"

},

{

"DeptCode": "000005",

"DepartmentName": "介入二手术室",

"PinYin": "jresss"

}

]

## 2、验收产品条码解析

|  |  |
| --- | --- |
| 请求方式 | Get |
| URL | MProdEnter |

参数：

|  |  |  |
| --- | --- | --- |
| 字段描述 | 字段名称 | 备注 |
| 主条码 | BarCodeSource | 需用base64加密 |
| 次条码 | SubBarCodeSource | 需用base64加密 |

返回字段

|  |  |  |
| --- | --- | --- |
| 字段描述 | 字段名称 | 备注 |
| 产品ID | ProductInfoID |  |
| 产品名称 | ProductInfoName |  |
| 通用名 | GeneralName |  |
| 规格 | Specification |  |
| 型号 | Model |  |
| 生产日期 | ProductionDate |  |
| 有效期 | EffectiveDate |  |
| 批号 | Lot |  |
| 序列号 | SN |  |
| 单位 | UnitName |  |
| 库存类型 | Buy | 0：自购，1备货， 空：未定义 |
| 条码类型 | BarcodeType |  |
| 供应商列表： | | |
| 供应商名称 | SupplierName |  |
| 验收数量 | FactAmount |  |
| 注册证列表 | | |
| 注册证号 | RegistrationCard |  |
|  |  |  |

成功返回样本实例

{

"ProductInfoID": 311735,

"ProductInfoName": "微导管(商品名:Progreat)",

"EnterpriseID": "3222",

"EnterpriseName": "泰尔茂医疗产品(上海)有限公司",

"GeneralName": null,

"Specification": "MC-PC2713",

"Model": null,

"BarCode": "0134987350596537",

"SubBarCode": null,

"BarCodeSource": null,

"SubBarCodeSource": null,

"ProductionDate": "2014-01-01",

"EffectiveDate": "2019-10-12",

"Lot": "dfsdfdsf",

"SN": "2435435",

"Amount": 0,

"UnitName": "个",

"State": null,

"OperateID": null,

"OperateName": null,

"DeptCode": null,

"Buy": "0",

"RegisterNum": "",

"DetailList": [

{

"SupplierID": 3519,

"SupplierName": "河南致新康德医疗供应链管理有限公司",

"FactAmount": 1

}

],

"LicenceList": [

{

"StartDate": "2013-01-30",

"EndDate": "2017-01-29",

"RegistrationCard": "国食药监械(进)字2013第3770337号(2013-01-30~2017-01-29)"

},

{

"StartDate": "2008-11-01",

"EndDate": "2012-10-31",

"RegistrationCard": "国食药监械(进)字2008第3773130号(2008-11-01~2012-10-31)"

}

]

}

出错返回样本实例

{"Code":"1","Message":"出错消息 "}

### 2.1 注册证的自动选择

当ProductionDate不为空，且LicenceList有多条记录时，选择ProductionDate大于等于 StartDate，且ProductionDate小于等于EndDate 的注册证填入，若没有符合条件的，选择LicenceList第一条填入。

## 3、验收产品提交

|  |  |
| --- | --- |
| 请求方式 | Post |
| URL | MProdEnter |

参数：

|  |  |  |
| --- | --- | --- |
| 字段描述 | 字段名称 | 备注 |
| 由实体类序列化出来的json串 | JsonStr | 见传入参数样本实例 |

JsonStr 字段说明

|  |  |  |
| --- | --- | --- |
| 字段描述 | 字段名称 | 备注 |
| 主表唯一标识 | Reg\_id | 该字段在验 数据据第一次保存时 传0，保存功后返回该字段的值 ，只要页面不退出，表示为同一样单据的，该值不变，第二次提交产品时，该字段的值回传 |
| 当前操作员代码 | OperateID | 必填 |
| 当前操作员名称 | OperateName | 必填 |
| 存放科室ID | DeptCode | 必填 |
| 库存类型 | Buy | 必填 |

传入参数样本实例：

{

"Reg\_id":0

"ProductInfoID": 311735,

"ProductInfoName": "微导管(商品名:Progreat)",

"EnterpriseID": "3222",

"EnterpriseName": "泰尔茂医疗产品(上海)有限公司",

"GeneralName": null,

"Specification": "MC-PC2713",

"Model": null,

"BarCode": "0134987350596537",

"SubBarCode": "01008364620110381720060610A471794,

"BarCodeSource": 0134987350596537,

"SubBarCodeSource": "01008364620110381720060610A471794 ",

"ProductionDate": "2014-01-01",

"EffectiveDate": "2019-10-12",

"Lot": "dfsdfdsf",

"SN": "2435435",

"Amount": 0,

"UnitName": "个",

"State": null,

"OperateID": null,

"OperateName": null,

"DeptCode": null,

"Buy": "0",

"RegisterNum": "",

"DetailList": [

{

"DetailID": 0,

"SupplierID": 3519,

"SupplierName": "河南致新康德医疗供应链管理有限公司",

"FactAmount": 1

}

]

}

返回字段

|  |  |  |
| --- | --- | --- |
| 字段描述 | 字段名称 | 备注 |
| 结果代码 | Code | 0，成功，1失败 |
| 出错消息 | Message |  |
| 单据主键标识 | Reg\_id | Code 为0时，Reg\_id大于0，否则 为0 |

返回成功样本实例

{"Code":"0","Message":" ","Reg\_id": 123}

返回失败实例

{"Code":"1,"Message":" 保存失败,"Reg\_id": 0}

## 4. 整张单据确认

### 4.1 整张单据明细数据获取

界面显示为ListView

|  |  |
| --- | --- |
| 请求方式 | Get |
| URL | MProdEnterDetail |

参数：

|  |  |  |
| --- | --- | --- |
| 字段描述 | 字段名称 | 备注 |
| 主表唯一标识 | Reg\_id | 验收保存后返回的字段 |

返回字段

|  |  |  |
| --- | --- | --- |
| 字段描述 | 字段名称 | 备注 |
| 明细唯一标识 | Record\_id |  |
| 产品唯一标识 | ProductInfoID |  |
| 产品名称 | ProductInfoName |  |
| 规格 | Specification |  |
| 数量 | FactAmount | 数量可编辑，编辑为0时，表示删除，将IsVoid 置为 “1” |
| 有效标识 | IsVoid | 为0时，有效，为1时，逻辑删除（明细可删除，删除后界面不显示，该字段值为“1”） |

成功返回样本示例：

{

"Reg\_id": 3627,

"OperateID": null,

"OperateName": null,

"Details": [{

"Record\_id": 12102,

"ProductInfoID": 330044,

"ProductInfoName": "即时解脱器 Instant Detahcer",

"Specification": "ID-1 ",

" FactAmount ": 10.00,

"IsVoid": "0"

}, {

"Record\_id": 12103,

"ProductInfoID": 325184,

"ProductInfoName": "微导管(商品名:Echelon)",

"Specification": "145-5091-150 ",

" FactAmount ": 10.00,

"IsVoid": "0"

}]

}

出错返回样本实例

{"Code":"1","Message":"出错消息 "}

### 4.2 验收单据确认

|  |  |
| --- | --- |
| 请求方式 | Post |
| URL | MProdEnterDetail |

参数：

|  |  |  |
| --- | --- | --- |
| 字段描述 | 字段名称 | 备注 |
| 由实体类序列化出来的json串 | JsonStr | 见传入参数样本实例 |

JsonStr 字段说明

|  |  |  |
| --- | --- | --- |
| 字段描述 | 字段名称 | 备注 |
| 主表唯一标识 | Reg\_id |  |
| 当前操作员代码 | OperateID | 必填 |
| 当前操作员名称 | OperateName | 必填 |
| 明细唯一标识 | Record\_id |  |
| 数量 | FactAmount |  |
| 有效标识 | IsVoid | 为0时，有效，为1时，逻辑删除（明细可删除，删除后界面不显示，该字段值为“1”） |

传入参数样本示例：

{

"Reg\_id": 3627,

"OperateID": 1111172083

"OperateName":张三

"Details": [{

"Record\_id": 12102,

"ProductInfoID": 330044,

"ProductInfoName": "即时解脱器 Instant Detahcer",

"Specification": "ID-1 ",

" FactAmount ": 12,

"IsVoid": "0"

}, {

"Record\_id": 12103,

"ProductInfoID": 325184,

"ProductInfoName": "微导管(商品名:Echelon)",

"Specification": "145-5091-150 ",

" FactAmount ": 10.00,

"IsVoid": "0"

}]

}

返回字段

|  |  |  |
| --- | --- | --- |
| 字段描述 | 字段名称 | 备注 |
| 结果代码 | Code | 0，成功，1失败 |
| 出错消息 | Message |  |

返回成功样本实例

{"Code":"0","Message":" "}

返回失败实例

{"Code":"1,"Message":" 保存失败"

# 二、三级库领用出库

模块权限代码（PrivilegeCode）: lingyong

## 1、领用人获取

领用人及领用科室：界面上，通过扫描或输入领用人工号，获取领用人名称及领用人所在科室（领用科室），科室可能有多个，需用下拉选择，只有一个时，自动填入主，多个时，必须选择。

库房：当前用户所在的科室（登录时已经获取，同盘点用的盘点科室）

|  |  |
| --- | --- |
| 请求方式 | Get |
| URL | MEmployee |

参数：

|  |  |  |
| --- | --- | --- |
| 字段描述 | 字段名称 | 备注 |
| 领用人工号 | HRCode | 领用人工号（输入或扫码获取）base64加密 |

返回字段

|  |  |  |
| --- | --- | --- |
| 字段描述 | 字段名称 | 备注 |
| 领用人工号 | HRCode |  |
| 领用人名称 | EmployeeName |  |
| 科室代码 | DeptCode |  |
| 科室名称 | DepartmentName |  |

返回成功样本示例：

{

"HRCode": "0000172083",

"EmployeeName": "李朝阳-172083",

"UserDept": [{

"HRCode": "0000172083",

"DeptCode": "000005",

"DepartmentName": "介入二手术室"

}, {

"HRCode": "0000172083",

"DeptCode": "200000",

"DepartmentName": "医学装备部"

}]

}

## 2、领用产品条码解析

界面展示大致同PDA盘点模块的条码解析

|  |  |
| --- | --- |
| 请求方式 | Get |
| URL | MDepartmentCollar |

参数：

|  |  |  |
| --- | --- | --- |
| 字段描述 | 字段名称 | 备注 |
| 主条码 | BarCodeSource | 需用base64加密 |
| 次条码 | SubBarCodeSource | 需用base64加密 |
| 出库科室代码 | StorehouseID | 需用base64加密 |

返回字段

|  |  |  |
| --- | --- | --- |
| 字段描述 | 字段名称 | 备注 |
| 产品ID | ProductInfoID |  |
| 产品名称 | ProductInfoName |  |
| 通用名 | GeneralName |  |
| 规格 | Specification |  |
| 型号 | Model |  |
| 生产日期 | ProductionDate |  |
| 有效期 | EffectiveDate |  |
| 批号 | Lot |  |
| 序列号 | SN |  |
| 单位 | UnitName |  |
| 库存类型 | Buy | 0：自购，1备货， 空：未定义 |
| 库存明细列表： | | |
| 库存流水唯一标识 | DetailID |  |
| 供应商名称 | SupplierName |  |
| **帐面数量** | RealTimeAmount |  |
| **领用数量** | FactAmount |  |
| 注册证列表 | | |
| 注册证号 | RegistrationCard |  |
|  |  |  |

成功返回样本实例

{

"ProductInfoID": 313940,

"ProductInfoName": "微导管(商品名:Rebar)",

"EnterpriseID": "3187",

"EnterpriseName": "ev3 Inc.",

"GeneralName": null,

"Specification": "105-5082-145 ",

"Model": null,

"BarCode": "0110836462002224",

"SubBarCode": null,

"BarCodeSource": null,

"SubBarCodeSource": null,

"ProductionDate": "2014-01-01",

"EffectiveDate": "2019-10-12",

"Lot": "dfsdfdsf",

"SN": "2435435",

"Amount": 0.0,

"UnitName": "个",

"State": null,

"OperateID": null,

"OperateName": null,

"DeptCode": null,

"Buy": "0",

"RegisterNum": "",

"DetailList": [{

"DetailID": 1494,

"SupplierID": 3364,

"SupplierName": "河南首创医疗器械有限公司",

"RegistrationCard": "国食药监械(进)字2010第3770388号(2010-02-09~2014-02-08)",

"RealTimeAmount":5.0

"FactAmount": 0.0

}, {

"DetailID": 1495,

"SupplierID": 3494,

"SupplierName": "郑州众乐医疗器械有限公司",

"RegistrationCard": "国食药监械(进)字2010第3770388号(2010-02-09~2014-02-08)",

"RealTimeAmount":5.0

"FactAmount": 0.0

}],

"LicenceList": [{

"StartDate": "",

"EndDate": "",

"RealTimeAmount":5.0

"RegistrationCard": "国食药监械(进)字2010第3770388号(2010-02-09~2014-02-08)"

}]

}

出错返回样本实例

{"Code":"1","Message":"出错消息 "}

## 3. 领用产品提交

### 3.1领用产品提交数据验证

|  |  |
| --- | --- |
| 请求方式 | Post |
| URL | MDepartmentCollar |

参数：

|  |  |  |
| --- | --- | --- |
| 字段描述 | 字段名称 | 备注 |
| 由实体类序列化出来的json串 | JsonStr | 见传入参数样本实例 |
| 操作类型 | type | type为0 时提交前的校验，type 为1时数据提交, 此接口 type=0 |

JsonStr 字段说明

|  |  |  |
| --- | --- | --- |
| 字段描述 | 字段名称 | 备注 |
| 主表唯一标识 | DepartmentCollarID | 该字段在验 数据据第一次保存时 **传 ""**，保存功后返回该字段的值 ，只要页面不退出，表示为同一样单据的，该值不变，第二次提交产品时，该字段的值回传 |
| 领用人 | HRCode | 必填 |
| 领用人名称 | EmployeeName | 必填 |
| 当前操作员代码 | OperateID | 必填 |
| 当前操作员名称 | OperateName | 必填 |
| 出库科室代码 | TreasuryDepartment | 必填 |
| 领用科室代码 | DeptCode | 必填 |

传入参数样本实例：

{

" DepartmentCollarID":,

" TreasuryDepartment ":"200000",

"DeptCode": "000005",

" HRCode","00003

" EmployeeName","张三

"ProductInfoID": 311735,

"ProductInfoName": "微导管(商品名:Progreat)",

"EnterpriseID": "3222",

"EnterpriseName": "泰尔茂医疗产品(上海)有限公司",

"GeneralName": null,

"Specification": "MC-PC2713",

"Model": null,

"BarCode": "0134987350596537",

"SubBarCode": "01008364620110381720060610A471794,

"BarCodeSource": 0134987350596537,

"SubBarCodeSource": "01008364620110381720060610A471794 ",

"ProductionDate": "2014-01-01",

"EffectiveDate": "2019-10-12",

"Lot": "dfsdfdsf",

"SN": "2435435",

"Amount": 0,

"UnitName": "个",

"State": null,

"OperateID": "123213,

"OperateName": "李四",

"Buy": "0",

"RegisterNum": "",

"DetailList": [

{

"DetailID": 0,

"SupplierID": 3519,

"SupplierName": "河南致新康德医疗供应链管理有限公**司",**

"RealTimeAmount":5.0

"FactAmount": 1

}

]

}

返回字段

|  |  |  |
| --- | --- | --- |
| 字段描述 | 字段名称 | 备注 |
| 结果代码 | Code | 0，验证通过，1验证不通过，2 弹出提示，需要用户确认是否继续 |
| 出错消息 | Message |  |

验证通过样本示例

{"Code":"0","Message":" "}

验证不通过样本示例

{"Code":"1","Message":"领用科室不能为空" }

验证提示样本示例

{"Code":"2","Message":"产品生产日期不在注册证范围内，是否继续？" }

### 3.2领用产品提交

|  |  |
| --- | --- |
| 请求方式 | Post |
| URL | MDepartmentCollar |

参数：

|  |  |  |
| --- | --- | --- |
| 字段描述 | 字段名称 | 备注 |
| 由实体类序列化出来的json串 | JsonStr | 见传入参数样本实例 |
| 操作类型 | type | type为0 时提交前的校验，type 为1时数据提交, 此接口 type=1 |

JsonStr 字段说明

参数：

|  |  |  |
| --- | --- | --- |
| 字段描述 | 字段名称 | 备注 |
| 由实体类序列化出来的json串 | JsonStr | 见传入参数样本实例 |
| 操作类型 | type | type为0 时提交前的校验，type 为1时数据提交, 此接口 type=0 |

JsonStr 字段说明

|  |  |  |
| --- | --- | --- |
| 字段描述 | 字段名称 | 备注 |
| 主表唯一标识 | DepartmentCollarID | 该字段在验 数据据第一次保存时 **传 ""**，保存功后返回该字段的值 ，只要页面不退出，表示为同一样单据的，该值不变，第二次提交产品时，该字段的值回传 |
| 领用人 | HRCode | 必填 |
| 领用人名称 | EmployeeName | 必填 |
| 当前操作员代码 | OperateID | 必填 |
| 当前操作员名称 | OperateName | 必填 |
| 出库科室代码 | TreasuryDepartment | 必填 |
| 领用科室代码 | DeptCode | 必填 |

**json 结构同 3.1**

返回字段

|  |  |  |
| --- | --- | --- |
| 字段描述 | 字段名称 | 备注 |
| 结果代码 | Code | 0，成功，1失败 |
| 出错消息 | Message |  |
| 单据主键标识 | DepartmentCollarID | Code 为0时，DepartmentCollarID不为空，否则 为空 |

返回成功样本实例

{"Code":"0","Message":" "," DepartmentCollarID ": " 201803230001 "}

返回失败实例

{"Code":"1","Message":" 保存失败," DepartmentCollarID ": ""}

保存失败时，勿赋DepartmentCollarID的值

## 4领用产品整单确认

### 4.1整张单据明细数据获取

界面显示为ListView

|  |  |
| --- | --- |
| 请求方式 | Get |
| URL | MDepartmentCollarDetail |

参数：

|  |  |  |
| --- | --- | --- |
| 字段描述 | 字段名称 | 备注 |
| 主表唯一标识 | DepartmentCollarID | 单据保存后返回的字段 |

返回字段

|  |  |  |
| --- | --- | --- |
| 字段描述 | 字段名称 | 备注 |
| 明细唯一标识 | Record\_id |  |
| 产品唯一标识 | ProductInfoID |  |
| 产品名称 | ProductInfoName |  |
| 规格 | Specification |  |
| 数量 | FactAmount | 数量可编辑，编辑为0时，表示删除，将IsVoid 置为 “1” |
| 有效标识 | IsVoid | 为0时，有效，为1时，逻辑删除（明细可删除，删除后界面不显示，该字段值为“1”） |

成功返回样本示例：

{

"DepartmentCollarID": 3627,

"OperateID": null,

"OperateName": null,

"Details": [{

"Record\_id": 12102,

"ProductInfoID": 330044,

"ProductInfoName": "即时解脱器 Instant Detahcer",

"Specification": "ID-1 ",

" FactAmount ": 10.00,

"IsVoid": "0"

}, {

"Record\_id": 12103,

"ProductInfoID": 325184,

"ProductInfoName": "微导管(商品名:Echelon)",

"Specification": "145-5091-150 ",

" FactAmount ": 10.00,

"IsVoid": "0"

}]

}

出错返回样本实例

{"Code":"1","Message":"出错消息 "}

### 4.2整单确认

|  |  |
| --- | --- |
| 请求方式 | Post |
| URL | MDepartmentCollarDetail |

参数：

|  |  |  |
| --- | --- | --- |
| 字段描述 | 字段名称 | 备注 |
| 由实体类序列化出来的json串 | JsonStr | 见传入参数样本实例 |
| 操作类型 | type | 0： 领用确认  1：还库确认  此处传0 |

JsonStr 字段说明

|  |  |  |
| --- | --- | --- |
| 字段描述 | 字段名称 | 备注 |
| 主表唯一标识 | DepartmentCollarID |  |
| 当前操作员代码 | OperateID | 必填 |
| 当前操作员名称 | OperateName | 必填 |
| 明细唯一标识 | Record\_id |  |
| 数量 | FactAmount | 实际领用数量 |
| 有效标识 | IsVoid | 为0时，有效，为1时，逻辑删除（明细可删除，删除后界面不显示，该字段值为“1”） |

传入参数样本示例：

{

"DepartmentCollarID": " 201803190855 ",

"OperateID": 0000172083

"OperateName":张三

"Details": [{

" Record\_id ": 12102,

"ProductInfoID": 330044,

"ProductInfoName": "即时解脱器 Instant Detahcer",

"Specification": "ID-1 ",

" FactAmount ": 12,

"IsVoid": "0"

}, {

" Record\_id ": 12103,

"ProductInfoID": 325184,

"ProductInfoName": "微导管(商品名:Echelon)",

"Specification": "145-5091-150 ",

" FactAmount ": 10.00,

"IsVoid": "0"

}]

}

返回字段

|  |  |  |
| --- | --- | --- |
| 字段描述 | 字段名称 | 备注 |
| 结果代码 | Code | 0，成功，1失败 |
| 出错消息 | Message |  |

返回成功样本实例

{"Code":"0","Message":" "}

返回失败实例

{"Code":"1,"Message":" 保存失败"}

# 三、三级库领用还库

模块权限代码（PrivilegeCode）: huanku

## 1、领用人获取

同领用出库中领用人获取, 此处略。

## 2、领用还库产品条码解析

界面展示大致同领用出库（无整单确认）

|  |  |
| --- | --- |
| 请求方式 | Get |
| URL | MepartmentCollarBack |

参数：

|  |  |  |
| --- | --- | --- |
| 字段描述 | 字段名称 | 备注 |
| 主条码 | BarCodeSource | 需用base64加密 |
| 次条码 | SubBarCodeSource | 需用base64加密 |
| 领用科室代码 | DeptCode | 需用base64加密 |
| 出库科室代码 | StorehouseID | 需用base64加密 |
| 领用人工号 | HRCode | 需用base64加密 |

返回字段

|  |  |  |
| --- | --- | --- |
| 字段描述 | 字段名称 | 备注 |
| 产品ID | ProductInfoID |  |
| 产品名称 | ProductInfoName |  |
| 通用名 | GeneralName |  |
| 规格 | Specification |  |
| 型号 | Model |  |
| 生产日期 | ProductionDate |  |
| 有效期 | EffectiveDate |  |
| 批号 | Lot |  |
| 序列号 | SN |  |
| 单位 | UnitName |  |
| 库存类型 | Buy | 0：自购，1备货， 空：未定义 |
| 库存明细列表： | | |
| **领用明细唯一标识** | DetailID |  |
| 供应商名称 | SupplierName |  |
| **领用数量** | RealTimeAmount |  |
| **还库数量** | FactAmount |  |
| 注册证列表 | | |
| 注册证号 | RegistrationCard |  |
|  |  |  |

成功返回样本实例

{

"ProductInfoID": 313940,

"ProductInfoName": "微导管(商品名:Rebar)",

"EnterpriseID": "3187",

"EnterpriseName": "ev3 Inc.",

"GeneralName": null,

"Specification": "105-5082-145 ",

"Model": null,

"BarCode": "0110836462002224",

"SubBarCode": null,

"BarCodeSource": null,

"SubBarCodeSource": null,

"ProductionDate": "2014-01-01",

"EffectiveDate": "2019-10-12",

"Lot": "dfsdfdsf",

"SN": "2435435",

"Amount": 0.0,

"UnitName": "个",

"State": null,

"OperateID": null,

"OperateName": null,

"DeptCode": null,

"Buy": "0",

"RegisterNum": "",

"DetailList": [{

"DetailID": 1494,

"SupplierID": 3364,

"SupplierName": "河南首创医疗器械有限公司",

"RegistrationCard": "国食药监械(进)字2010第3770388号(2010-02-09~2014-02-08)",

"RealTimeAmount":5.0

"FactAmount": 0.0

}, {

"DetailID": 1495,

"SupplierID": 3494,

"SupplierName": "郑州众乐医疗器械有限公司",

"RegistrationCard": "国食药监械(进)字2010第3770388号(2010-02-09~2014-02-08)",

"RealTimeAmount":5.0

"FactAmount": 0.0

}],

"LicenceList": [{

"StartDate": "",

"EndDate": "",

"RealTimeAmount":5.0

"RegistrationCard": "国食药监械(进)字2010第3770388号(2010-02-09~2014-02-08)"

}]

}

出错返回样本实例

{"Code":"1","Message":"出错消息 "}

## 3、领用还库数据提交

|  |  |
| --- | --- |
| 请求方式 | Post |
| URL | MDepartmentCollarBack |

参数：

|  |  |  |
| --- | --- | --- |
| 字段描述 | 字段名称 | 备注 |
| 由实体类序列化出来的json串 | JsonStr | 见传入参数样本实例 |
| 操作类型 | type | type为0 时提交前的校验，type 为1时数据提交, 此接口 type=1 |

JsonStr 字段说明

参数：

|  |  |  |
| --- | --- | --- |
| 字段描述 | 字段名称 | 备注 |
| 由实体类序列化出来的json串 | JsonStr | 见传入参数样本实例 |

JsonStr 字段说明

|  |  |  |
| --- | --- | --- |
| 字段描述 | 字段名称 | 备注 |
| 领用人 | HRCode | 必填 |
| 领用人名称 | EmployeeName | 必填 |
| 当前操作员代码 | OperateID | 必填 |
| 当前操作员名称 | OperateName | 必填 |
| 出库科室代码 | TreasuryDepartment | 必填 |
| 领用科室代码 | DeptCode | 必填 |

传入样本示例：

传入参数样本实例：

{

" TreasuryDepartment ":"200000",

"DeptCode": "000005",

" HRCode","00003

" EmployeeName","张三

"ProductInfoID": 311735,

"ProductInfoName": "微导管(商品名:Progreat)",

"EnterpriseID": "3222",

"EnterpriseName": "泰尔茂医疗产品(上海)有限公司",

"GeneralName": null,

"Specification": "MC-PC2713",

"Model": null,

"BarCode": "0134987350596537",

"SubBarCode": "01008364620110381720060610A471794,

"BarCodeSource": 0134987350596537,

"SubBarCodeSource": "01008364620110381720060610A471794 ",

"ProductionDate": "2014-01-01",

"EffectiveDate": "2019-10-12",

"Lot": "dfsdfdsf",

"SN": "2435435",

"Amount": 0,

"UnitName": "个",

"State": null,

"OperateID": "123213,

"OperateName": "李四",

"Buy": "0",

"RegisterNum": "",

"DetailList": [

{

"DetailID": 1494,

"SupplierID": 3519,

"SupplierName": "河南致新康德医疗供应链管理有限公**司",**

"RealTimeAmount":5.0

"FactAmount": 1

}

]

}

返回字段

|  |  |  |
| --- | --- | --- |
| 字段描述 | 字段名称 | 备注 |
| 结果代码 | Code | 0，成功，1失败 |
| 出错消息 | Message |  |

返回成功样本实例

{"Code":"0","Message":" "}

返回失败实例

{"Code":"1","Message":" 保存失败}

# 四、出库单附件管理

模块权限代码（PrivilegeCode）: chukuguanli

## 1、出库单信息获取

|  |  |
| --- | --- |
| 请求方式 | Get |
| URL | MDeliveryApply |

参数：

|  |  |  |
| --- | --- | --- |
| 字段描述 | 字段名称 | 备注 |
| 出库单单据号 | DeliveryCode | 由扫描一维或二维码获取 |

返回字段

|  |  |  |
| --- | --- | --- |
| 字段描述 | 字段名称 | 备注 |
| 主表字段 | | |
| 单据号 | DeliveryCode |  |
| 单据ID | DeliveryID | 界面不展示 |
| 制单日期 | BLDate |  |
| 领用科室 | ConsumerDeptName |  |
| 出库库房 | StoreDeptName |  |
| 单据状态 | 11：未审核,  41：作废  81：已确认 | 界面不展示 |
| 明细字段 | | |
| 单据ID | DeliveryID | 界面不展示 |
| 明细ID | DetailID | 界面不展示 |
| 产品名称 | ProductName |  |
| 规格 | SpecName | 合并展示用“/”拼接 |
| 型号 | ModelName |
| 批号 | ProductBatch | 合并展示用“/”拼接 |
| 序列号 | SerialNumber |
| 数量 | Amount |  |
| 附件字段 | | |
| 附件ID | AttachmenID | 界面不展示 |
| 所属ID | InfoId | 界面不展示 |
| 附件名称 | ShowName |  |
| 路径 | FilePath | 界面不展示 |

**说明：**

**1、当单据状态Flag 状态为 41 时，加载单据信息，弹出 “单据已作废”，且控制不能上传附件。**

**2、当单据装态不为81时，加载单据信息，并单出“单据未确认”，且控制不能上传附件。**

成功返回样本示例：

{

"Check": null,

"DeliveryID": "201904103011",

"DeptCode": "220504",

"DeliveryCode": "QTSQ201904103011",

"Source": 1,

"Type": 2,

"Status": "81",

"StatusName": null,

"SendStatus": null,

"DepartmentID": "220504",

"BLMaker": "0000006366",

"Handler": "0000006366",

"Confirmer": null,

"Auditor": "0000006366",

"Consumer": null,

"BLDate": "2019-04-10T10:57:53",

"AuditorDate": "2019-04-10T10:57:53",

"ConfirmerDate": null,

"ConsumerDate": "2019-04-10T10:54:47",

"AuditorDescription": "",

"CreateTime": "2019-04-10T10:57:53",

"UpdateTime": "2019-04-10T10:57:53",

"StorehouseID": "220004",

"DeliveryType": 0,

"PrintTimes": 1,

"OperationSeq": null,

"CodeNum": null,

"Remark": "",

"Mark": null,

"StoreRemark": null,

"IsStockGoods": null,

"UseType": "0",

"Distribution": "2",

"IsLineTime": "0",

"ConsumerDeptName": "供应科(龙珠大厦2楼)",

"MakerDeptName": "供应科(龙珠大厦2楼)",

"BLMakerName": "张伟平",

"HandlerName": "张伟平",

"ConfirmerName": null,

"AuditorName": "张伟平",

"ConsumerName": null,

"StoreDeptName": "供应科",

"SumMoney": null,

"SumTotalMoney": null,

"Billno": null,

"IsBeyond": null,

"CheckedAmount": 0.0,

"SupplierId": 0,

"Address": null,

"StoreAuditor": null,

"StoreAuditorDate": null,

"StoreAuditorName": null,

"PrintRecordId": null,

"GUID": null,

"SourceCode": null,

"TotalApplyAmount": 0.0,

"DetailList": [

{

"DetailID": 159046,

"InDetailID": 0,

"DeliveryID": "201904103011",

"DeliveryCode": "QTSQ201904103011",

"PurchaseBudgetCode": null,

"PurchaseBudgetID": null,

"ProductInfoID": 174590,

"ProductBatch": null,

"SerialNumber": null,

"UnitPrice": 37.5000,

"ApplyAmount": 4.0000,

"Amount": 4.0000,

"UnAmount": 0.0,

"PurchaseBudgetAmount": 0.0000,

"FinishAmount": 0.0,

"ThisAmount": 0.0,

"ThisPrintAmount": 0.0,

"Unit": 164891,

"Moneys": 0.0000,

"ShelfID": 0,

"ProductionDate": null,

"ExpireDate": null,

"InDate": null,

"SerialNo": null,

"Barcode": null,

"CustomCategoryID": null,

"RegistrationCard": null,

"CreateTime": "2019-04-10T10:57:53",

"UpdateTime": "2019-04-10T10:57:53",

"ExpectArrivalDate": "2019-04-11",

"Remark": null,

"MainRemark": null,

"StockRemark": null,

"Status": "21",

"StatusName": "审核通过",

"StoreStatus": "81",

"StoreStatusName": null,

"IsVoid": "0",

"Buy": null,

"StoreCode": "220004",

"DeptCode": "220504",

"DeptCodeName": null,

"Mark": 2,

"CheckedAmount": 4.0000,

"CheckAmount": 0.0,

"MakerDeptName": null,

"ProductName": "富达9005#挂钟",

"GeneralName": "富达9005#挂钟",

"EnterpriseName": "广州富达钟表工业有限公司",

"SpecName": "18个/箱",

"HospitalSpec": "8000000814",

"ModelName": "RYBHXL000026",

"CategoryName": null,

"CusCategoryName": "其它用品",

"UnitName": null,

"Check": null,

"StoreAmount": 0.0000,

"CanStoreAmount": 0.0,

"SupplierID": 3826,

"SupplierName": "广州市海珠区长江贸易有限公司",

"UnifiedEnterpriseName": null,

"UnifiedEnterpriseName1": null,

"NameBefore1": null,

"StorehouseName": "供应科",

"AvgCount": 0.0,

"PackageUnit": 164891,

"PackageUnitName": "个",

"MatInUnit": 0,

"MatInUnitName": null,

"UseUnit": 164891,

"UseUnitName": "个",

"MatInSplitNum": 1.0,

"PackageQuantity": 1.0,

"UseSplitNum": 0.0,

"PurState": null,

"productVoid": "0",

"DeptName": null,

"UpdateAmount": 0.0,

"UpdatePurchasePrice": 0.0,

"PrecollarAmount": 0.0,

"PrecollaringAmount": 0.0,

"PrecollarFlag": null,

"DeliveryNumber": null,

"DeliveryNumbering": null,

"ChargeCode": null,

"PackingInstruction": null,

"OutBoundMark": null,

"Distribution": null,

"BLMakerName": null,

"Address": null,

"AuditorName": null,

"BrandName": null,

"GoodStatusName": null,

"GoodStatus": null,

"IsFree": false,

"CombinationName": null,

"Prod\_Id\_Map": 0,

"OutDepartId": null,

"CombinationID": 0,

"Attachments": [

{

"AttachmenID": 1,

"InfoId": "159046",

"Type": "4",

"FileName": "123.jpg",

"FilePath": "Attachments/DeliveryApply/123.jpg",

"SuffixName": "jpg",

"FileSize": 5.0000,

"Sequence": "1",

"ShowName": "123.jpg"

}

]

}

]

}

出错返回样本实例

{"Code":"1","Message":"出错消息 "}

# 五、入库单附件管理

模块权限代码（PrivilegeCode）: rukuguanli

## 1、入库单信息获取

|  |  |
| --- | --- |
| 请求方式 | Get |
| URL | MWareHouse |

参数：

|  |  |  |
| --- | --- | --- |
| 字段描述 | 字段名称 | 备注 |
| 出库单单据号 | InstoreCode | 由扫描一维或二维码获取 |

返回字段

|  |  |  |
| --- | --- | --- |
| 字段描述 | 字段名称 | 备注 |
| 主表字段 | | |
| 单据号 | InstoreCode |  |
| 单据ID | InstoreNo | 界面不展示 |
| 制单日期 | BLDate |  |
| 供应商 | SupplierName |  |
| 入库库房 | DepartmentName |  |
| 单据状态 | 11：未审核,  41：作废  21：已审核 | 界面不展示 |
| 明细字段 | | |
| 单据ID | InstoreNo | 界面不展示 |
| 明细ID | DetailID | 界面不展示 |
| 产品名称 | ProductName |  |
| 规格 | SpecName | 合并展示用“/”拼接 |
| 型号 | ModelName |
| 批号 | ProductBatch | 合并展示用“/”拼接 |
| 序列号 | SerialNumber |
| 数量 | Amount |  |
| 附件字段 | | |
| 附件ID | AttachmenID | 界面不展示 |
| 所属ID | InfoId | 界面不展示 |
| 附件名称 | ShowName |  |
| 路径 | FilePath | 界面不展示 |

**说明：**

**1)当单据状态Flag 状态为 41 时，加载单据信息，弹出 “单据已作废”，且控制不能上传附件。**

**2)当单据装态不为21时，加载单据信息，并单出“单据未确认”，且控制不能上传附件。**

成功返回样本示例

{

"Checkes": null,

"InStoreNo": "201810230003",

"InStoreCode": "QTRK201810230003",

"DeptCode": "220004",

"InvoiceID": null,

"InvoiceCode": null,

"InvoiceDate": null,

"InvoiceType": null,

"InvoiceStatus": null,

"SupplierID": 2615,

"PurchaseOrderID": "201810230007",

"Source": "1",

"Type": "A",

"TypeName": "其他入库",

"Status": "22",

"DeliveryNoteCode": "",

"OutStoreNumber": "",

"BLMaker": "admin ",

"BLMakerDeptCode": null,

"Handler": "admin ",

"HandlerDeptCode": null,

"Auditor": "admin ",

"AuditorDeptCode": null,

"BLDate": "2018-10-23T14:54:53.08",

"AuditorDate": "2018-10-23T15:00:59.927",

"FactArrivalDate": "2018-10-23T14:54:53.08",

"AuditDescription": "",

"Remark": "",

"CustomCategory": "9200000000",

"CustomCategoryName": "耗材科财务分类",

"CreateTime": "2018-10-23T14:55:52.207",

"UpdateTime": "2018-10-23T15:00:59.927",

"Moneys": 6.2000,

"PrintTimes": 1,

"WarehouseType": "0",

"WarehouseDate": "2018-10-23",

"QRecordID": null,

"DeliveryDept": null,

"OperationSeq": null,

"SourceCode": null,

"DepartmentName": "供应科",

"SupplierName": "广州市荔湾区明兴玻璃工艺店",

"PurchaseOrderCode": null,

"BLMakerName": "管理员",

"HandlerName": null,

"AuditorName": "管理员",

"SumMoney": null,

"SumTotalMoney": null,

"Billno": null,

"PurchaseClinicBuyID": null,

"NoFreeMoneys": 0.0,

"StoresRequisitionID": null,

"CurrentOperator": null,

"TotalAmount": 0.0,

"warehouseDetailList": [

{

"DetailID": 2141,

"InStoreNo": "201810230003",

"ProductInfoID": 167805,

"ProductBatch": "11",

"PurchasePrice": 0.2000,

"UpdatePurchasePrice": 0.0,

"RetailPrice": 0.0000,

"Amount": 20.0000,

"OutAmount": 0.0,

"ThisAmount": 0.0,

"UpdateAmount": 0.0,

"UPCOUNT": 0.0,

"UPAmount": 0.0,

"UPInvoiceMoney": 0.0,

"ExpectInvoiceDate": null,

"Moneys": 4.0000,

"Unit": 164916,

"ExpireDate": "1900-01-01T00:00:00",

"HealthPermitCode": null,

"IsHaveAccCertificate": null,

"ProductionDate": "1900-01-01T00:00:00",

"RegistrationCard": "无注册证第20180814000111号(2018-08-14~2023-08-14)",

"CustomCategoryID": "9202010000",

"CusCategoryShortName": " ",

"ShelfID": 0,

"CreateTime": "2018-10-23T14:55:51.847",

"UpdateTime": "2018-10-23T14:55:51.847",

"state": null,

"error": null,

"IsVoid": "0",

"KPAmount": 0.0,

"ProductName": "日立样品杯",

"Prod\_MapID": null,

"GeneralName": null,

"Specification": null,

"SpecName": "12\*37",

"Model": null,

"ModelName": "",

"UnitName": "只",

"Error": null,

"CustomCategoryName": null,

"CategoryName": "默认产品类别",

"Check": false,

"Department": null,

"DepartmentName": null,

"InStoreCode": null,

"SerialNumber": "",

"Price": 0.0,

"InvoiceMoney": 0.0,

"OrderMoney": 0.0,

"ProductModSpec": null,

"BCode1": null,

"BCode2": null,

"InvoiceCode": null,

"InvoiceDate": "0001-01-01T00:00:00",

"SupplierName": "广州市荔湾区明兴玻璃工艺店",

"BLMakerName": null,

"AuditorName": null,

"BedNum": null,

"isHighValue": "1",

"Status": null,

"WDetail\_ID": null,

"OpDate": "0001-01-01T00:00:00",

"DeptCode": null,

"DeptName": null,

"DeptAddress": null,

"OutStoreNumber": null,

"WareHouseType": null,

"Remark": null,

"CusCategoryName": "化验材料",

"HospitalSpec": null,

"SupplierID": "2615",

"WarehouseDate": null,

"HisProductCode": null,

"PaceMakerTypeID": null,

"PaceMakerTypeName": null,

"IsFree": false,

"JITS\_SALEACCOUNTNO": null,

"JITS\_SALEACCOUNTROWNO": 0,

"SumChineseMoney": null,

"SumChineseTotalMoney": null,

"OutDetailID": 0,

"OnlyBCode": null,

"Attachments": [

{

"AttachmenID": 3,

"InfoId": "2141",

"Type": "3",

"FileName": "123.jpg",

"FilePath": "Attachments/WareHouse/tz.gif",

"SuffixName": "jpg",

"FileSize": 5.0000,

"Sequence": "1",

"ShowName": "123.jpg"

}

]

}

]

}

出错返回样本实例

{"Code":"1","Message":"出错消息 "}

## 2、入库附件上传

|  |  |
| --- | --- |
| 请求方式 | Post |
| URL | MWareHouse |

参数：

|  |  |  |
| --- | --- | --- |
| 字段描述 | 字段名称 | 备注 |
| HttpResult<String> | 由实体类序列化出来的json串  值：{"InfoId":2141, CreateUser:"000000demo"} | 见传入参数样本实例 |
| MultipartBody.Part |  |  |

JsonStr 字段说明

|  |  |  |
| --- | --- | --- |
| 字段描述 | 字段名称 | 备注 |
| 明细记录唯一标识 | InfoId | “为入库信息获取”接口中的 明细唯一标识 DetailId., |
| 当前操作员代码 | CreateUser | 当前操作员工号 |

实体类数据和文件数据一起上传到服务端，调用Retrofit 进行网络请求，并将实体类数据和文件数据一并发送到 服务端，数据类型都是multipart/form-data类型的，详细调用参考：

https://blog.csdn.net/weixin\_33806509/article/details/89830066

传入实体类参数样本示例：

{

"InfoId": 3627,

" CreateUser ": 1111172083

}

返回字段

|  |  |  |
| --- | --- | --- |
| 字段描述 | 字段名称 | 备注 |
| 结果代码 | Code | 0，成功，1失败 |
| 出错消息 | Message |  |

返回成功样本实例

{"Code":"0","Message":" "}

返回失败实例

{"Code":"1,"Message":" 保存失败"}

## 3、入库附件列表获取

根据明细ID 获取产品的附件集合

|  |  |
| --- | --- |
| 请求方式 | Get |
| URL | MAttachment |

参数：

|  |  |  |
| --- | --- | --- |
| 字段描述 | 字段名称 | 备注 |
| 明细ID | InfoID | 由扫描一维或二维码获取 |
| 类别 | Type | 固定传“3” |

返回字段

|  |  |  |
| --- | --- | --- |
| 字段描述 | 字段名称 | 备注 |
| 附件ID | AttachmenID |  |
| 明细ID | InfoId | 界面不展示 |
| 类型 | Type | 3，入库单 |
| 附件名称 | FileName |  |
| 附件路径 | FilePath |  |
| 排 序号 | Sequence |  |
| 显示名称 | ShowName |  |

返回成功样本实例

[

{

"AttachmenID": 1,

"InfoId": "126166",

"Type": "3",

"FileName": "126166\_2.jpg",

"FilePath": "/MISAppendixDir/UploadPath/WareHouse/126166\_2.Png",

"SuffixName": "jpg",

"FileSize": 187362.0000,

"Sequence": "2",

"ShowName": "126166\_2.jpg",

"CreateTime": "2020-02-28T19:00:02",

"CreateUser": "demo ",

"ImageIndex": 0,

"IsVoid": "0",

"AttachmentFile": null

}, {

"AttachmenID": 2,

"InfoId": "126166",

"Type": "3",

"FileName": "126166\_3.jpg",

"FilePath": "/MISAppendixDir/UploadPath/WareHouse/126166\_3.Png",

"SuffixName": "jpg",

"FileSize": 438276.0000,

"Sequence": "3",

"ShowName": "126166\_3.jpg",

"CreateTime": "2020-02-28T19:00:02",

"CreateUser": "demo ",

"ImageIndex": 0,

"IsVoid": "0",

"AttachmentFile": null

}

]

返回失败实例

{"Code":"1,"Message":" 操作失败"}

## 4、 附件浏览

附件上传成功后，重新获取入库单信息，会得到附件的集合Attachments，根据集合每条记录的FilePath字段可以获取文件的相对路径，，即可浏览图片，地址如下：http://116.247.74.76:8682/Attachments/WareHouse/tz.gif

## 5、 附件删除

根据附件ID (AttachmentID) 删除附件。

|  |  |
| --- | --- |
| 请求方式 | Post |
| URL | MAttachment |

|  |  |  |
| --- | --- | --- |
| 字段描述 | 字段名称 | 备注 |
| 附件ID | AttachmenID | 接口“入库附件列表获取" 中返回 |

返回成功样本实例

{"Code":"0","Message":" "}

返回失败实例

{"Code":"1,"Message":" 保存失败"}