数据库设计文档V1.0.0

更新日志

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 日期 | 修订版本 | 修改章节 | 修改描述 | 作者 |
| 2017-11-10 | 1.0.0 | 运营方管理系统相关表 | 运营方管理核系统相关表 | 肖家旺 |
| 2017-11-12 | 1.0.1 | 商铺员工表添加用户类型 | user\_type |  |
| 2017-11-14 | 1.0.2 | 增加帮助中心表,保证金操作员字段改为user\_id | guide\_infos |  |
| 2017-11-16 | 1.0.3 | 订单明细表增加商品id,来源方增加性别 | Suppliers,order\_items |  |
| 2017-11-20 | 1.0.4 | Warehouses, products, orders | 仓库表增加storage\_count,sold\_count,exist\_count  商品表添加入库人id(shop\_user\_id),创建人id(create\_shop\_user\_id),工价(wages),调整原因(adjustment\_reason)  订单表添加结算方式(settlement\_type),快递单面照(express\_photo) |  |
| 2017-11-21 | 1.0.5 | products增加字段 | 商品表更改quantity为入库数量,增加在库数量(exist\_count),售出数量(sold\_count) |  |

账号管理模块

1. users(平台用户表)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 字段 | 类型 | 必填 | 默认值 | 描述 |
| id | int | YES |  | ID |
| name | string | NO |  | 姓名 |
| login\_name | string | YES |  | 登录账号 |
| password\_digest | string | NO |  | 登录密码 |
| status | int | YES | 1 | 状态 |
| created\_at | datetime | YES |  | 创建时间 |
| updated\_at | datetime | YES |  | 更新时间 |

2.roles(角色表)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 字段 | 类型 | 必填 | 默认值 | 描述 |
| id | int | YES |  | ID |
| name | string | YES |  | 名称 |
| position | int | YES | 1 | 排序 |
| description | text |  |  | 描述 |
| created\_at | datetime | YES |  | 创建时间 |
| updated\_at | datetime |  |  | 更新时间 |

3.user\_role\_maps（平台用户角色关联表）

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 字段 | 类型 | 必填 | 默认值 | 描述 |
| id | int | YES |  | ID |
| user\_id | int | YES |  | 用户id |
| role\_id | int | YES |  | 角色ID |
| created\_at | datetime | YES |  | 创建时间 |

4.permissions(权限表)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 字段 | 类型 | 必填 | 默认值 | 描述 |
| id | int | YES |  | ID |
| parent\_id | int | YES | 0 | 父权限 |
| name | string | YES |  | 名称 |
| created\_at | datetime | YES |  | 创建时间 |
| updated\_at | datetime | YES |  | 修改时间 |

5.role\_permission\_maps(角色权限关联表)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 字段 | 类型 | 必填 | 默认值 | 描述 |
| id | int | YES |  | ID |
| role\_id | int | YES |  | 角色ID |
| permission\_id | int | YES |  | 权限ID |
| created\_at | datetime | YES |  | 创建时间 |

基础数据模块

1. product\_categories(商品分类表)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 字段 | 类型 | 必填 | 默认值 | 描述 |
| id | int | YES |  | ID |
| name | string | YES |  | 名称 |
| status | int | YES | 1 | 状态 |
| position | int | YES | 1 | 排序(升序) |
| created\_at | datetime | YES |  | 创建时间 |
| updated\_at | datetime | YES |  | 更新时间 |

2.brand\_categories(品牌分类表)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 字段 | 类型 | 必填 | 默认值 | 描述 |
| id | int | YES |  | ID |
| brand\_id | int | YES | 1 | 品牌ID |
| product\_category\_id | int | YES | 1 | 分类ID |
| created\_at | datetime | YES |  | 创建时间 |

3.brands(商品品牌表)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 字段 | 类型 | 必填 | 默认值 | 描述 |
| id | int | YES |  | ID |
| brand\_category\_id | int | YES |  | 分类id |
| name | string | NO |  | 名称 |
| name\_en | string | NO |  | 英文名称 |
| description | text | NO |  | 备注 |
| status | int | YES | 1 | 状态 |
| position | int | YES | 1 | 排序(升序) |
| created\_at | datetime | YES |  | 创建时间 |
| updated\_at | datetime | YES |  | 更新时间 |

4.tags(商品标签表)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 字段 | 类型 | 必填 | 默认值 | 描述 |
| id | int | YES |  | ID |
| name | string | NO |  | 名称 |
| position | int | YES | 1 | 排序(升序) |
| created\_at | datetime | YES |  | 创建时间 |
| updated\_at | datetime | YES |  | 更新时间 |

5.guide\_infos(帮助中心表)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 字段 | 类型 | 必填 | 默认值 | 描述 |
| id | int | YES |  | ID |
| title | string | NO |  | 标题 |
| content | text | NO |  | 内容 |
| guide\_type | int | YES | 1 | 关与我们或帮助中心 |
| position | int | YES | 1 | 排序(升序) |
| created\_at | datetime | YES |  | 创建时间 |
| updated\_at | datetime | YES |  | 更新时间 |

商铺模块

1. shops(商铺表)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 字段 | 类型 | 必填 | 默认值 | 描述 |
| id | int | YES |  | ID |
| name | string | NO |  | 商铺名称 |
| scale | int | YES | 1 | 商铺规模 |
| credit | int | YES | 0 | 商铺信用分 |
| total\_amount | decimal(12,2) | YES | 0 | 保证金余额 |
| usable\_amount | decimal(12,2) | YES | 0 | 可用金额 |
| froze\_bond | decimal(12,2) | YES | 0 | 冻结金额 |
| province\_id | int | NO |  | 省份id |
| city\_id | int | NO |  | 城市id |
| district\_id | int | NO |  | 地区id |
| address | string | NO |  | 具体地址 |
| status | int | YES | 1 | 商铺状态 |
| position | int | YES | 1 | 排序(升序) |
| created\_at | datetime | YES |  | 创建时间 |
| updated\_at | datetime | YES |  | 修改时间 |

2.shop\_users(商户用户表)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 字段 | 类型 | 必填 | 默认值 | 描述 |
| id | int | YES |  | ID |
| shop\_id | int | YES |  | 商铺id |
| user\_type | int | YES | 2 | 用户类型 1: 管理员 2：普通员工 |
| name | string | NO |  | 姓名 |
| login\_name | string | YES |  | 登录名 |
| password\_digest | string | NO |  | 密码 |
| status | int | YES | 1 | 状态 |
| created\_at | datetime | YES |  | 创建时间 |
| updated\_at | datetime | YES |  | 更新时间 |

3.shop\_roles(商户角色表)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 字段 | 类型 | 必填 | 默认值 | 描述 |
| id | int | YES |  | ID |
| name | string | YES |  | 名称 |
| position | int | YES | 1 | 排序 |
| description | text | NO |  | 描述 |
| created\_at | datetime | YES |  | 创建时间 |
| updated\_at | datetime | YES |  | 更新时间 |

4.shop\_user\_role\_maps(商户用户角色表）

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 字段 | 类型 | 必填 | 默认值 | 描述 |
| id | int | YES |  | ID |
| shop\_user\_id | int | YES |  | 商户用户id |
| shop\_role\_id | int | YES |  | 商户角色id |
| created\_at | datetime | YES |  | 创建时间 |

8.shop\_deposit\_logs(商铺保证金流水表)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 字段 | 类型 | 必填 | 默认值 | 描述 |
| id | int | YES |  | ID |
| shop\_id | int | YES |  | 商铺id |
| user\_id | int | YES |  | 操作员id |
| amount | decimal(12,2) | YES | 0 | 操作金额 |
| direction | int | YES | 1 | 1 : 增加, 0 : 减少 |
| balance\_amount | decimal(12,2) | YES |  | 当前保证金余额 |
| description | text | NO |  | 备注 |
| created\_at | datetime | YES |  | 创建时间 |
| updated\_at | datetime | YES |  | 修改时间 |

9.warehouses (仓库表)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 字段 | 类型 | 必填 | 默认值 | 描述 |
| id | int | YES |  | ID |
| shop\_id | int | YES |  | 商铺id |
| name | string | NO |  | 名称 |
| description | text | NO |  | 备注 |
| status | int | YES | 1 | 状态 |
| position | int | YES | 1 | 排序(升序) |
| created\_at | datetime | YES |  | 创建时间 |
| updated\_at | datetime | YES |  | 更新时间 |

11.products(商品表)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 字段 | 类型 | 必填 | 默认值 | 描述 |
| id | int | YES |  | ID |
| shop\_id | int | YES |  | 商铺id |
| shop\_user\_id | int | YES |  | 入库人id |
| create\_shop\_user\_id | int | YES |  | 创建人id |
| product\_category\_id | int | YES |  | 商品分类id |
| brand\_id | int | YES |  | 商品品牌id |
| shop\_customer\_id | int | YES |  | 商品来源方id |
| warehouse\_id | int | YES |  | 仓库id |
| no | int | YES |  | 商品编码 |
| name | string | NO |  | 商品名称 |
| specification | string | NO |  | 商品规格型号 |
| color | string | NO |  | 商品颜色 |
| size | string | NO |  | 商品尺寸参数 |
| condition | string | NO |  | 商品成色 |
| source | int | NO |  | 商品来源 |
| quantity | int | YES | 1 | 入库数量 |
| exist\_count | int | YES | 0 | 在库数量 |
| sold\_count | int | YES | 0 | 售出数量 |
| sell\_price | decimal(12,2) | NO |  | 销售价 |
| purchase\_price | decimal(12,2) | NO |  | 采购价 |
| peer\_price | decimal(12,2) | NO |  | 同行价 |
| wages | decimal(12,2) | NO |  | 工价 |
| status | int | YES | 1 | 状态 |
| description | text | NO |  | 备注 |
| adjustment\_reason | text | NO |  | 调整原因 |
| position | int | YES | 1 | 排序(升序) |
| created\_at | datetime | YES |  | 创建时间 |
| updated\_at | datetime | YES |  | 更新时间 |

12.product\_tags(商品标签表)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 字段 | 类型 | 必填 | 默认值 | 描述 |
| id | int | YES |  | ID |
| product\_id | int | YES |  | 商品id |
| tag\_id | int | YES |  | 商品标签id |
| created\_at | datetime | YES |  | 创建时间 |

13.product\_pictures(商品图片表)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 字段 | 类型 | 必填 | 默认值 | 描述 |
| id | int | YES |  | ID |
| product\_id | string | YES |  | 商品id |
| pic\_key | text | YES |  | 图片路径 |
| position | int | YES | 1 | 排序(升序) |
| is\_default | int | YES | 0 | 是否主图 |
| created\_at | datetime | YES |  | 创建时间 |

14.shop\_customers(商铺客户表)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 字段 | 类型 | 必填 | 默认值 | 描述 |
| id | int | YES |  | ID |
| shop\_id | int | YES |  | 商铺id |
| name | string | NO |  | 姓名 |
| mobile | string | YES |  | 手机号码 |
| gender | int | NO |  | 性别1:男, 2:女 |
| description | text | NO |  | 备注 |
| status | int | YES | 1 | 状态 |
| position | int | YES | 1 | 排序 |
| created\_at | datetime | YES |  | 创建时间 |
| updated\_at | datetime | YES |  | 修改时间 |

15.orders(订单表)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 字段 | 类型 | 必填 | 默认值 | 描述 |
| id | int | YES |  | ID |
| shop\_id | int | YES |  | 商铺id |
| shop\_customer\_id | int | YES |  | 客户id |
| dilivery\_way | int | YES | 1 | 配送方式 |
| maintain\_at | datetime | NO |  | 下次维护提醒时间 |
| amount | decimal(12,2) | YES |  | 订单金额 |
| description | text | NO |  | 备注 |
| position | int | YES | 1 | 排序 |
| status | int | YES | 1 | 状态 |
| settlement\_type | int | NO |  | 结算方式 |
| express\_photo | string | NO |  | 快递单面照 |
| created\_at | datetime | YES |  | 创建时间 |
| updated\_at | datetime | YES |  | 修改时间 |

16.order\_items(订单明细表)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 字段 | 类型 | 必填 | 默认值 | 描述 |
| id | int | YES |  | ID |
| order\_id | int | YES |  | 订单id |
| product\_id | int | YES |  | 商品id |
| price | decimal(12,2) | YES |  | 销售单价 |
| quantity | int | YES | 1 | 销售数量 |
| total\_price | decimal(12,2) | YES |  | 总价 |
| created\_at | datetime | YES |  | 创建时间 |
| updated\_at | datetime | YES |  | 修改时间 |