

**Web开发大作业**

**物流仓储管理系统**

**软件设计说明书**

**学 院 智能与计算学部**

**专 业 软件工程**

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**物流仓储管理系统**

**软件设计说明书**

**1.数据库设计说明**

Create database wms；

**1用户表**

Create table users

(uid integer not null auto\_increment,

u\_name char(20),

password char(20),

primary key(uid));

**2订单表**

Create table order(

oid integer not null auto\_increment,

gid integer,

g\_name char(20),

g\_amount integer,

out\_price double,

phone\_number char(20),

c\_name char(20),

address char(50),

o\_time date,

primary key(oid),

Foreign key(gid)references goods(gid));

**3库存表**

Create table goods(

gid integer not null auto\_increment,

g\_name char(20),

in\_price double,

out\_price double,

g\_amount integer,

category char(10),

brand char(10),

primary key(gid));

**4采购入库报表**

Create table purchase\_records(

pid integer nut null auto\_increment,

gid integer,

g\_name char(20),

in\_price double,

in\_amount integer,

in\_time date,

primary key(pid),

foreign key(gid) refereces goods(gid));

**5销售业绩报表**

Create table sales\_records(

sid integer nut null auto\_increment,

gid integer,

g\_name char(20),

out\_price double,

out\_amount integer,

out\_time date,

primary key(sid),

foreign key(gid) refereces goods(gid));

**6发票单**

Create table bills(

bid integer not null auto\_increment,

gid integer,

g\_amount integer,

out\_price double,

total\_price double,

bill\_number char(20),

number\_of\_qualification char(20),

time\_of\_bill date,

primary key(bid),

foreign key(gid) refereces goods(gid));

**7收入账单**

Create table sales\_bills(

sbid integer not null auto\_increment,

gid integer,

g\_name char(20),

g\_amount integer,

out\_price double,

total\_out\_price double,

out\_time date,

primary key(sbid),

foreign key(gid) refereces goods(gid));

**8支出账单**

Create table purchases\_bills(

pbid integer not null auto\_increment,

gid integer,

g\_name char(20),

g\_amount integer,

in\_price double,

total\_in\_price double,

in\_time date,

primary key(pbid),

foreign key(gid) refereces goods(gid));

**9下架表**

Create table dropGoods(

did integer not null auto\_increment,

gid integer,

g\_name char(20),

d\_time date,

reason char(20),

primary key(did),

foreign key(gid) references goods(gid));

**2 Restful接口说明**

**1【POST】 /v1/users/info**

**功能说明：注册新用户**

请求方式：POST

参数描述

Content-Type: application/json

{

"username": “”,

"password": “”,

“confirm\_password”: “”

}

响应内容

Content-Type: application/json

HTTP/1.1 200 OK

操作成功

{

“result”: 0

}

操作失败

{

“result”: 1,

ErrorMessage: ””

}

**2【POST】 /v1/users/authorization**

**功能说明：用户登录**

请求方式：POST

参数描述

Content-Type: application/json

{

"username": “”,

"password": “”,

}

响应内容

Content-Type: application/json

HTTP/1.1 200 OK

操作成功

{

“result”: 0

}

操作失败

{

“result”: 1,

ErrorMessage: ””

}

**3【PUT】 /v1/users/info**

**功能说明：修改密码**

请求方式：PUT

参数描述

Content-Type: application/json

{

"username": “”,

"old\_password": “”,

“new\_password”: “”

}

响应内容

Content-Type: application/json

HTTP/1.1 200 OK

操作成功

{

“result”: 0

}

操作失败

{

“result”: 1,

ErrorMessage: ””

}

**4【POST】 /v1/orders/submission**

**功能说明：提交订单**

请求方式：POST

参数描述

Content-Type: application/json

{

"customer\_name": “”,

"phone": “”,

“goods”: “”,

“count”: “”,

“selling\_price”: “”,

“address”: “”,

“time”: “”

}

响应内容

Content-Type: application/json

HTTP/1.1 200 OK

操作成功

{

“result”: 0

}

操作失败

{

“result”: 1,

ErrorMessage: ””

}

**5【POST】 /v1/goods/in**

**功能说明：入库**

请求方式：POST

参数描述

Content-Type: application/json

{

"judge": //0代表确认购买，1代表取消购买

}

响应内容

Content-Type: application/json

HTTP/1.1 200 OK

{

“goods”: “”,

“count”: “”,

“purchase\_price”: “”,

“time”: “”

}

**6【GET】 /v1/orders/obtaining**

**功能说明：获取未处理订单**

请求方式：GET

响应内容

Content-Type: application/json

HTTP/1.1 200 OK

操作成功

{

{

"customer\_name": “”,

"phone": “”,

“goods”: “”,

“count”: “”,

“selling\_price”: “”,

“address”: “”,

“time”: “”，

“order\_id”:””

}，

{

"customer\_name": “”,

"phone": “”,

“goods”: “”,

“count”: “”,

“selling\_price”: “”,

“address”: “”,

“time”: “”,

“order\_id”:””

}

}

**7【POST】 /v1/goods/outing**

**功能说明：出库**

请求方式：POST

参数描述

Content-Type: application/json

{

“order”

}

响应内容

Content-Type: application/json

HTTP/1.1 200 OK

操作成功

{

{

"customer\_name": “”,

"phone": “”,

“goods”: “”,

“count”: “”,

“selling\_price”: “”,

“address”: “”,

“time”: “”，

“order\_id”:””

}，

{

"customer\_name": “”,

"phone": “”,

“goods”: “”,

“count”: “”,

“selling\_price”: “”,

“address”: “”,

“time”: “”,

“order\_id”:””

}

}

操作失败

{

“result”: 1,

ErrorMessage: ””

}

**8【GET】     /v1/selection/1**

**功能说明: 查询订单**

请求方式：GET

响应内容

Content-Type: application/json

HTTP/1.1 200 OK

操作成功

{

“order\_id”:””,

“goods”:””,

“price”:””,

“count”:””,

“time”:””;

}

**9【GET】     /v1/selection/2**

**功能说明: 查询货物信息**

请求方式：GET

响应内容

Content-Type: application/json

HTTP/1.1 200 OK

操作成功

{

“order\_id”:””,

“goods”:””,

“price”:””,

“count”:””,

“time”:””;

}

**10【GET】     /v1/selection/3**

**功能说明: 查询入库单**

请求方式：GET

响应内容

Content-Type: application/json

HTTP/1.1 200 OK

操作成功

{

“order\_id”:””,

“goods”:””,

“price”:””,

“count”:””,

“time”:””;

}

**11【GET】     /v1/selection/4**

**功能说明:查询出库单**

请求方式：GET

响应内容

Content-Type: application/json

HTTP/1.1 200 OK

操作成功

{

“order\_id”:””,

“goods”:””,

“price”:””,

“count”:””,

“time”:””;

}

**12【POST】     /v1/selection/5**

**功能说明:查询收入账单**

请求方式：POST

参数描述

Content-Type: application/json

{

"time": “”

}

响应内容

Content-Type: application/json

HTTP/1.1 200 OK

操作成功

{

“gid”:””,

“g\_name”:””,

“g\_amount”:””,

“out\_price”:””,

“total\_out\_price”:””,

“time”:””

}

**13【POST】     /v1/selection/6**

**功能说明:查询支出账单**

请求方式：POST

参数描述

Content-Type: application/json

{

"time": “”

}

响应内容

Content-Type: application/json

HTTP/1.1 200 OK

操作成功

{

“gid”:””,

“g\_name”:””,

“g\_amount”:””,

“out\_price”:””,

“total\_out\_price”:””,

“time”:””

}

**14【POST】     /v1/selection/7**

**功能说明:查询销售业绩单**

请求方式：POST

参数描述

Content-Type: application/json

{

"time": “”

}

响应内容

Content-Type: application/json

HTTP/1.1 200 OK

操作成功

{

“gid”:””,

“g\_name”:””,

“g\_amount”:””,

“out\_price”:””,

“total\_out\_price”:””,

“time”:””

}

**15【POST】   /v1/goods/deletion**

**功能说明：下架货物**

请求方式：POST

参数描述

Content-Type: application/json

{

"goods": “”,

"reason": “”,

}

响应内容

Content-Type: application/json

HTTP/1.1 200 OK

操作成功

{

“result”: 0

}

操作失败

{

“result”: 1,

ErrorMessage: ””

}

**3分工**：

|  |  |
| --- | --- |
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| Restful接口设计1-7说明 | 谭淮联 |
| Restful接口设计8-15说明 | 孙玮 |
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