电商系统的数据库表设计

1. 用户基本信息表(user\_baseinfo)

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| user\_id | id\_card | id\_type | user\_name | login\_name | password | sex | email | telephone | status | create\_time | update\_time |
| int | int | int | string | string | string | char | string | string | char | long | long |
| 用户id | 证件号 | 证件类型 | 用户姓名 | 登录名 | 密码 | 性别 | 邮箱 | 电话号码 | 用户状态 | 创建时间 | 更新时间 |

1. 用户扩展信息表(user\_extinfo)

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| user\_id | province | city | region | postcode | registration\_time | birthday | lastlogin\_time | user\_level | create\_time | update\_time |
| int | string | string | string | int | timestamp | date | timestamp | char | long | long |
| 用户id | 省 | 市 | 区 | 邮编 | 注册时间 | 生日 | 上次登录时间 | 用户等级 | 创建时间 | 更新时间 |

1. 订单表(orders\_base)

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| order\_id | order\_sn | user\_id | receiver\_name | receiver\_addr | pay\_method | pay\_amt | order\_time | shipping\_sn | shipping\_amt | status | order\_points | invoice\_title |
| 订单id | 订单编号 | 用户id | 收货人姓名 | 收货地址 | 支付方式 | 支付金额 | 订单时间 | 快递单号 | 运费金额 | 订单状态 | 订单积分 | 发票抬头 |

1. 订单详情表（orders\_details）

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| order\_id | order\_sn | product\_id | prod\_weight | prod\_shares | warehouse\_id | order\_amt | shipping\_amt | discount\_amt | shipping\_comp\_name | pay\_time | send\_time | receive\_time |
| 订单id | 订单编号 | 商品id | 商品重量 | 商品份数 | 仓库id | 订单金额 | 运费金额 | 优惠金额 | 快递公司名字 | 支付时间 | 发货时间 | 收货时间 |

1. 商品概览表(prod\_overview)

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| product\_id | product\_sn | product\_name | price | description | top\_category | second\_category | third\_category | manufact\_date | validate\_period | status |
| 商品id | 商品编号 | 商品名称 | 商品价格 | 商品描述 | 一级分类 | 二级分类 | 三级分类 | 生产日期 | 有效期 | 商品状态 |

1. 商品详情表(prod\_details)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| product\_id | supplier\_id | warehouse\_id | weight | lenght | width | height | color | bar\_code |
| 商品id | 供应商id | 仓库id | 重量 | 长度 | 宽度 | 高度 | 颜色 | 条码 |

1. 支付信息表(pay\_info)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| pay\_id | user\_id | pay\_method | pay\_account | default\_flag | balance |
| 支付id | 用户id | 支付方式 | 支付账号 | 是否默认 | 余额 |

1. 购物车信息表(cart\_info)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| cart\_id | user\_id | product\_id | product\_shares | price | add\_time | product\_status |
| 购物车id | 用户id | 商品id | 商品数量 | 商品价格 | 加入购物车时间 | 商品状态 |

1. 地址信息表(address\_info)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| address\_id | user\_id | postcode | province | city | region | address | default\_flag |
| 地址id | 用户id | 邮编 | 省 | 市 | 区 | 具体到门牌号 | 是否默认 |

1. 供应商信息表(supplier\_info)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| supplier\_id | supplier\_name | supplier\_type | category | supplier\_addr | phone\_number | bank\_name | bank\_account | status |
| 供应商id | 供应商名字 | 供应商类型 | 供应商分类 | 供应商地址 | 电话号码 | 开户银行名称 | 银行账号 | 状态 |

1. 商品评论表(prod\_comment)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| comment\_id | order\_id | user\_id | product\_id | comment\_time | comment\_title | comment\_content | status |
| 评论id | 订单id | 用户id | 商品id | 评论时间 | 评论标题 | 评论内容 | 审核状态 |

1. 仓库信息表(warehouse\_info)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| warehouse\_id | warehouse\_name | phone\_number | warehouse\_contacts | warehouse\_addr | status |
|  |  |  |  |  |  |

1. 字典表(dict)

|  |  |  |
| --- | --- | --- |
| dict\_id | dict\_key | dict\_name |
|  |  |  |