XX系统数据库设计

v 1.0

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 修订内容 | 修订人 | 修订时间 |
|  |  |  |  |

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# 概述

本文为潍坊乘车码系统设计的数据库设计说明，文档定义了数据库表名，字段，字段类型，做为应用服务开发依据。

本项目使用PostgreSQL做为数据库服务，表格中定义的类型为postgresql下的数据定义

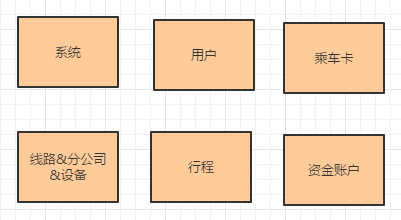
# 数据元说明

#### 数据元符号约定

|  |  |  |
| --- | --- | --- |
| 符号 | |  |
| 数据元数值符号 | M | 必须填写的域 |
| C | 符合条件时必须填写的域 |
| C- | 某条件成立时删除的域 |
| M+ | 必须增加的域 |
| O | 非必填，自选填写的域 |

# 数据库总体设计

卡码系统平台分为6个模块



**系统:** 系统字典表

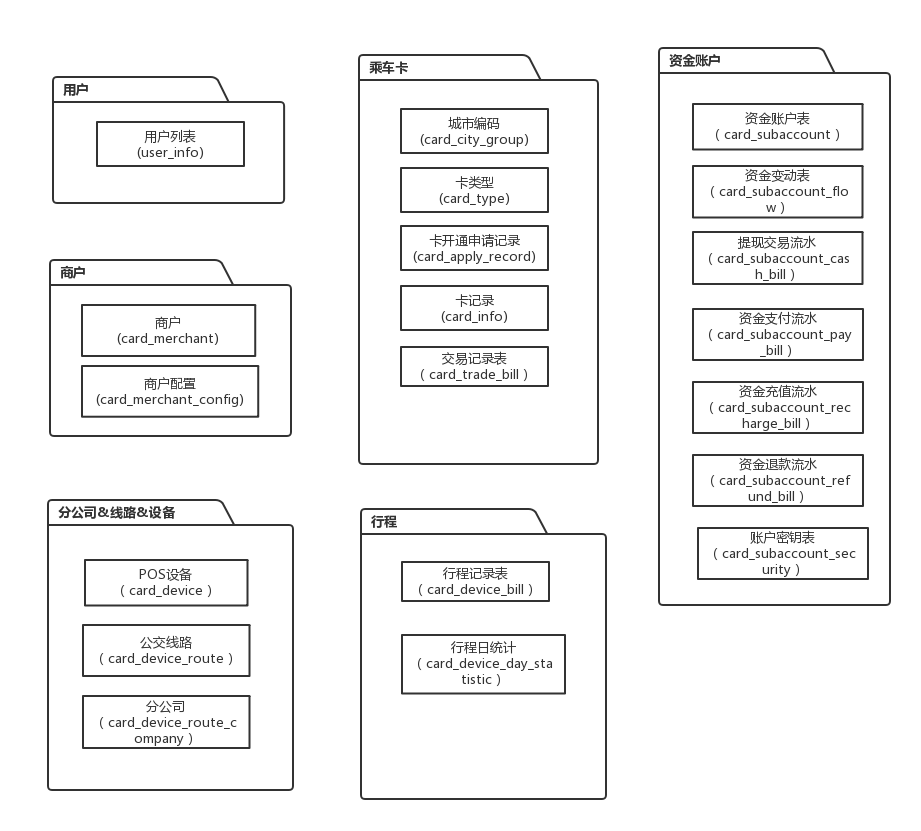
**用户：** 乘车卡用户表，商户表，商户配置表

**乘车卡:**  城市编码表，卡类型表，卡开通申请记录表，卡记录表，交易记录表

**线路&分公司&设备: P**OS设备表、公交线路表、分公司表

**行程：** 行程记录表、行程日统计表

**资金：** 资金账户表，账户密钥、资金变动表，提现流水表，资金冻结流水表，资金支付流 水表，资金充值流水表，资金退款流水表

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## 

# 数据表设计

## 系统

## 字典表(dict)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 序号 | 字段名 | 类型 | 是否必填项 | 描述 |
| 1 | id | integer | M |  |
| 2 | group\_id | character varying | M | 开卡申请记录编号 |
| 3 | key | character varying | M | 用户编号 |
| 4 | value | character varying | O |  |
| 5 | memo | character varying | O |  |
| 6 | createtime | timestamp | M |  |
|  |  |  |  |  |

## 用户

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 序号 | 字段名 | 类型 | 是否必填项 | 描述 |
| 1 | id | integer | M |  |
| 2 | sid | character varying | M | 用户编号 |
| 3 | user\_name | character varying | O | 用户昵称 |
| 4 | phone\_num | character varying | O | 手机号码 |
| 5 | idcard\_num | character varying | M | 证件号 |
| 6 | idcard\_photo | character varying | O | 证件照片 |
| 7 | createtime | timestamp | M | 创建时间 |
|  |  |  |  |  |

## 用户表（user\_info）

## 商户表（card\_merchant）

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 序号 | 字段名 | 类型 | 是否必填项 | 描述 |
| 1 | id | integer | M |  |
| 2 | sid | character varying | M | 商户编号 |
| 3 | name | character varying | M | 商户名称 |
| 4 | contact | character varying | O | 联系人 |
| 5 | address | character varying | O | 联系地址 |
| 6 | phone\_no | character varying | O | 联系电话 |
| 7 | type | integer | M | 类型，0.商户，1.总账户，  默认值0:商户 |
| 8 | accountid | character varying | O | 账户编号 |
| 9 | creator | character varying | M | 创建者 |
| 10 | createtime | timestamp | M | 创建时间 |
| 11 | delete\_flag | integer | M | 删除标志 |

## 商户配置表(card\_merchant\_config)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 序号 | 字段名 | 类型 | 是否必填项 | 描述 |
| 1 | id | integer | M |  |
| 2 | merchant\_id | character varying | M | 商户编号 |
| 3 | private\_key | character varying | M | pos机器握手 私钥 |
| 4 | public\_key | character varying | M | pos机握手 公钥 |
| 5 | city\_group\_id | character varying | M | 支持的卡实例编号列表，多个用逗隔开 |
| 6 | mode | integer | M | pos机器的模式，   1. 离线消费， 2. 在线消费 |
| 7 | lastupdate | timestamp | M | 修改时间 |
| 8 | createtime | timestamp | M | 创建时间 |

## 分公司&线路&POS终端

## POS终端(card\_device)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 序号 | 字段名 | 类型 | 是否必填项 | 描述 |
| 1 | id | integer | M |  |
| 2 | merchant\_id | character varying | O | 商户编号 |
| 2 | sid | character varying | M | 线路编号 |
| 3 | route\_name | character varying | O | 线路名称 |
| 4 | company\_no | character varying | O | 分公司编号 |
| 5 | start\_station | character varying | O | 开始站点 |
| 6 | end\_station | character varying | O | 结束结点 |
| 7 | distance | numeric(5,2) | O | 距离 |
| 8 | master\_route | character varying | M | 主站点编号 |
| 9 | createtime | timestamp | O | 创建时间 |
| 12 | company\_no | character varying | O | 分公司 |

## 公交线路（card\_device\_route）

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 序号 | 字段名 | 类型 | 是否必填项 | 描述 |
| 1 | id | integer | M |  |
| 2 | merchant\_id | character varying | O | 商户编号 |
| 3 | device\_id | character varying | O | 设备编号 |
| 4 | busno | character varying | O | 班次号 |
| 5 | routeid | character varying | O | 线路IO |
| 6 | sign\_time | timestamp | O | 设备最新签到时间，成功签到才会更新，异常不更新 |
| 7 | state | integer | M | 状态，0.可用，1.不可用 |
| 8 | createtime | timestamp | M | 创建时间 |
| 9 | memo | character varying | O | 备注 |
| 10 | route\_name | character varying | O | 关联的线路名称 |
| 11 | city\_id | character varying | O | 城市编号 |
| 12 | company\_no | character varyingg | O | 分公司名称 |

## 分公司（card\_device\_route\_company）

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 序号 | 字段名 | 类型 | 是否必填项 | 描述 |
| 1 | id | integer | M |  |
| 2 | company\_no | character varying | M | 分公司编号 |
| 3 | company\_name | character varying | M | 分公司名称 |
| 4 | createtime | timestamp | M | 创建时间 |
|  |  |  |  |  |

## 乘车卡

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 序号 | 字段名 | 类型 | 是否必填项 | 描述 |
| 1 | id | integer | M |  |
| 2 | sid | character varying | M | 城市编号 |
| 3 | name | character varying | O | 城市名称 |
| 4 | description | character varying | O | 描述 |
| 5 | delete\_flag | integer | M | 删除标记，  0: 正常  1：删除  默认0 |
| 6 | lastupdate | timestamp | M | 最后更新时间 |
| 7 | createtime | timestamp | M | 创建时间 |

## 城市编码(card\_city\_group)

## 卡类型 (card\_type)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 序号 | 字段名 | 类型 | 是否必填项 | 描述 |
| 1 | id | integer | M |  |
| 2 | city\_group\_id | character varyin | M | 城市编号 |
| 3 | card\_type | integer | M | 卡类型编号，0表示该卡种的默认普通卡 |
| 4 | name | character varying | O | 卡类型名称 |
| 5 | description | character varying | O | 描述 |
| 6 | discount | integer | M | 折扣 |
| 7 | lastupdate | timestamp | M | 最后更新时间 |
| 8 | createtime | timestamp | M | 创建时间 |
| 9 | state | integer | M | 卡类型状态，默认0  -1.已停发，  0.正常, |

## 卡开通申请记录(card\_apply\_record)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 序号 | 字段名 | 类型 | 是否必填项 | 描述 |
| 1 | id | integer | M |  |
| 2 | sid | character varyin | M | 开卡申请记录编号 |
| 3 | userid | character varyin | M | 用户编号 |
| 4 | card\_num | character varying | O | 卡号，可为空，通过申请后生成卡号 |
| 5 | card\_owner | character varying | M | 卡主姓名 |
| 6 | phone\_num | character varying | M | 手机号码（仅用于联系） |
| 7 | idcard\_num | character varying | M | 身份证号 |
| 7 | idcard\_photo | character varying | O | 身份证照片 |
| 8 | manager\_id | character varying | O | 审核人，管理员login字段 |
| 9 | deal\_desc | character varying | O | 审核描述，例如拒绝理由等 |
| 10 | deal\_time | timestamp | O | 审核时间 |
| 11 | state | integer | M | 开卡状态，默认0  -3.卡已永久注销,  -2.已取消,  -1.开卡失败,   1. 正在处理, 2. 1.开卡成功 |
| 12 | card\_type | integer | M | 卡类型 |
| 13 | createtime | timestamp | M | 创建时间 |
| 14 | city\_group\_id | character varying | M | 卡城市编号 |
| 16 | auth\_type | integer | M | 认证方式，默认0  0.直接开通 |

## 卡记录(card\_info)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 序号 | 字段名 | 类型 | 是否必填项 | 描述 |
| 1 | id | integer | M |  |
| 2 | card\_num | character varying | M | 公交卡号 |
| 3 | userid | character varying | O | 用户编号 |
| 4 | card\_owner | character varying | M | 卡主姓名 |
| 5 | state | integer | M | 状态，默认0   1. 正常, 2. 1.已冻结, 3. 2.已注销 |
| 6 | card\_type | character varying | M | 卡类型， card\_type.typeid |
| 7 | createtime | timestamp | M | 身份证号 |
| 7 | account\_id | character varying | O | 卡关联的账户编号 |
| 8 | city\_group\_id | character varying | O | 卡城市编号 |
| 9 | card\_close\_time | timestamp | O | 卡注销时间 |

## 交易记录表（card\_trade\_bill）

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 序号 | 字段名 | 类型 | 是否必填项 | 描述 |
| 1 | id | integer | M |  |
| 2 | trade\_num | character varyin | M | 交易编号 |
| 3 | out\_trade\_num | character varyin | O | 外部订单号 |
| 4 | type | integer | M | 交易类型, 默认0  0.充值  1.消费  2.退款  3.提现  4.冻结  5.解冻 |
| 5 | detail\_type | integer | M | 交易详细类型， 1.代充，  2.福利，  3.app赠送，  4. 微信APP支付充值，  5. 支付宝支付充值，  6. 微信JS支付充值，  7.转账充值，  11. 线上订单消费，  12. 线下订单消费，  13. 单票乘车消费，  15.多票乘车消费，  21. 单票乘车消费退款，22.线下消费退款，  24.线上消费退款，  25.多票制乘车消费退款，26.换乘优惠，  31. 销卡提现，  32.app充值提现，  42.乘车冻结，  52.乘车解冻 |
| 6 | userid | character varyin | O | 用户编号 |
| 7 | card\_num | character varyin | M | 卡号 |
| 8 | city\_group\_id | character varyin | M | 城市编号 |
| 9 | card\_type | integer | O | 卡类型，卡实例下的卡类型 |
| 10 | card\_account\_id | character varying | O | 用户账户 |
| 11 | merchant\_id | character varying | O | 消息所在的商户id |
| 12 | merchant\_account\_id | character varying | O | 商户帐号 |
| 13 | title | character varying | O | 交易说明 |
| 14 | list\_trade\_fee | integer | O | 交易原价 |
| 15 | trade\_fee | integer | M | 交易实际金额 |
| 16 | trade\_time | timestamp | M | 交易时间 |
| 17 | state | integer | M | 交易状态，默认0  -2.交易失败，  -1. 已退款(消费退款或充值体现或冻结解冻后都为该状态)，  0. 成功，  1.交易中(初始状态，子账户完成进出后，状态更新为0，若有异常，则维持该状态) |
| 18 | associate\_trade\_num | character varying | O | 关联自身的交易号 |
| 19 | account\_sno | character varying | O | 账户操作流水号 |
| 20 | other | character varying | O | 说明 |
| 21 | createtime | timestamp | M |  |
| 22 | is\_show | integer | M | 是否展示,默认0  0.不展示,  1.展示 |
| 23 | trade\_account\_num | character varying | M | 交易账户的编号 |

## 行程

## 行程记录表（card\_device\_bill）

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 序号 | 字段名 | 类型 | 是否必填项 | 描述 |
| 1 | id | integer | M |  |
| 2 | sno | character varying | M | 行程编号 |
| 3 | device\_id | character varying | O | 设备编号 |
| 4 | busno | character varying | O | 班次号 |
| 5 | routeid | character varying | O | 线路编号 |
| 6 | userid | character varying | M | 用户编号 |
| 7 | pay\_time | timestamp | M | 用户乘车时间 |
| 8 | qrcode | character varying | M | 二维码原数据 |
| 9 | list\_price | integer | O | 原票价 |
| 10 | pay\_price | integer | O | 交易金额 |
| 11 | state | integer | M | 行程状态, 默认0  -2.待实付(多票制中，待下车),  -1.已退款，  0.正常，  1.同一个设备同一个二维码重复上传,  2.解析二维 码错误，  3.其他错误，  4.二码过期，  5.二维码签名错误，  --状态0,4会扣钱 |
| 12 | createtime | timestamp | M | 创建时间 |
| 13 | route\_name | character varying | O | 关联来自sub\_table的线路编号，subroutename |
| 14 | other | character varying | O | 存储pos读取上来的名称，有可能是线路编号，有可能是其他，取决于pos自己设置的值 |
| 15 | merchant\_id | character varying | M | 商户id |
| 16 | company\_no | character varying | O | 公司名 |
| 17 | route\_group | character varying | O | 路队号（线路组） |
| 18 | driver\_no | character varying | O | 司机编号 |
| 19 | card\_no | character varying | O | 用户卡号 |
| 20 | is\_statistic | integer | M | 是否统计，默认0  0.否，1.是 |
| 21 | hardware\_id | character varying | O | 设备硬件编号 |
| 22 | city\_group\_id | character varying | O | 城市编号 |
| 23 | card\_type | integer | M | 卡类型 |
| 24 | driver\_is\_statistic | integer | M | 是否进行过司机统计,默认0  1.是，  0.否 |
| 25 | refund\_time | timestamp | O | 退款时间 |
| 26 | is\_comment | integer | M | 评价状态，默认为0：  0表示为评价，  1表示已经评价 |
| 27 | card\_pay\_time | timestamp | O | 云卡支付时间 |
| 28 | ride\_info\_josn | character varying | O | 上下站乘车信息 |
| 29 | ticket\_system | integer | M | 票制类型，默认0  0.单票制，  1.多票制 |
| 30 | transfer\_refund\_fee | integer | M,默认0 | 换乘优惠退款金额 |

## 行程日统计（card\_device\_day\_statistic）

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 序号 | 字段名 | 类型 | 是否必填项 | 描述 |
| 1 | id | integer | M |  |
| 2 | company\_no | character varying | M | 公司编号 |
| 3 | routeid | character varying | M | 线路编号 |
| 4 | statistic\_date | date | M | 统计日期 |
| 5 | city\_group\_id | character varying | M | 城市编号 |
| 6 | card\_type | integer | M | 卡类型编号 |
| 7 | income\_amount | integer | M | 实收金额 |
| 8 | discount\_amount | integer | M | 优惠金额 |
| 9 | card\_time | integer | M | 刷卡次数 |
| 10 | createtime | timestamp | M | 创建时间 |
| 11 | refund\_fee | integer | M | 退款金额 |
| 12 | refund\_count | integer | M | 退款笔数 |
| 13 | route\_group | character varying | O | 路队号 |
| 14 | list\_amount | integer | M | 应收金额 |

## 资金账户

## 资金账户表（card\_subaccount）

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 序号 | 字段名 | 类型 | 是否必填项 | 描述 |
| 1 | id | integer | M |  |
| 2 | sid | character varying | M | 账户编号 |
| 3 | type | integer | M | 子账户类型,  0.个人,  1.商户,  2.政府,  3.店家,  8.总账户 |
| 4 | userid | date | M | 用户编号 |
| 5 | total\_amount | integer | M | 总金额=总消费+总余额 |
| 6 | total\_consumption | integer | M | 总消费 |
| 7 | total\_balance | integer | M | 总可用余额=可提取资金+不可提取资金 |
| 8 | cash | integer | M | 可提取资金 |
| 9 | uncash | integer | M | 不可提取资金 |
| 10 | freeze\_cash | integer | M | 可提取冻结资金 |
| 11 | freeze\_uncash | integer | M | 不可提取冻结资金 |
| 12 | state | integer | M | 状态,  0.正常,  1.冻结,  2.注销 |
| 13 | createtime | timestamp | M | 创建时间 |
| 14 | association\_id | integer | O | 关联的id |
| 15 | total\_withdraw | integer | M | 总提现额度，包括普通提现和月结、销卡引起的提现 |
| 16 | sum\_balance | integer | M | 总余额，总余额=总可用余额+可提取冻结资金+不可提取冻结资金 |

## 账户密钥表（card\_subaccount\_security）

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 序号 | 字段名 | 类型 | 是否必填项 | 描述 |
| 1 | id | integer | M |  |
| 2 | account\_id | character varying | M | 账户编号 |
| 3 | userid | character varying | O | 用户编号 |
| 4 | salt | character varying | M | 密码盐 |
| 5 | pay\_password | character varying | O | 支付密码 |
| 6 | createtime | timestamp | M | 创建时间 |
| 7 | association\_id | character varying | O | 关联的id |
| 8 | private\_key | character varying | O | RSA私钥 |
| 9 | public\_key | character varying | O | RSA公钥 |
| 11 |  |  |  |  |
| 12 |  |  |  |  |

## 资金变动表（card\_subaccount\_flow）

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 序号 | 字段名 | 类型 | 是否必填项 | 描述 |
| 1 | id | integer | M |  |
| 2 | sid | character varying | M | 资金变动条目唯一编号 |
| 3 | sno | character varying | M | 关联的流水号 |
| 4 | account\_id | character varying | M | 账号id |
| 5 | seqflag | character varying | M | 账务变动方向,  -1.内部流动,   1. 进帐, 2. 1.出帐 |
| 6 | changetype | integer | M | 类型,  0.充值  ,1.支付(消费),  2.退款  ,3.提现,  4.app赠送，  5.冻结，  6.解冻 |
| 7 | pre\_amount | integer | M | 变动前总余额 |
| 8 | post\_amount | integer | M | 变动后总余额 |
| 9 | pre\_cash | integer | M | 变动前可提取资金 |
| 11 | post\_cash | integer | M | 变动后可提取资金 |
| 12 | pre\_uncash | integer | M | 变动前不可提取资金 |
| 13 | post\_uncash | integer | M | 变动后不可提取资金 |
| 14 | createtime | timestamp | M |  |
| 15 | change\_fee | integer | M | 变动金额，进账为正，出账为负 |
| 16 | pre\_freeze\_cash | integer | M | 变动前可提取冻结资金 |
| 17 | post\_freeze\_cash | integer | M | 变动后可提取冻结资金 |
| 18 | pre\_freeze\_uncash | integer | M | 变动前不可提取冻结资金 |
| 19 | post\_freeze\_uncash | integer | M | 变动后不可提取冻结资金 |

## 资金支付流水（card\_subaccount\_pay\_bill）

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 序号 | 字段名 | 类型 | 是否必填项 | 描述 |
| 1 | id | integer | M |  |
| 2 | sno | character varying | M | 支付流水号 |
| 3 | order\_no | character varying | M | 关联的卡交易号 |
| 4 | pay\_account\_id | character varying | M | 支付方子账号id |
| 5 | pay\_amount | integer | M | 支付方付款金额 |
| 6 | pay\_time | timestamp | M | 支付时间 |
| 7 | pay\_pre\_amount | integer | M | 支付方变动前金额 |
| 8 | pay\_post\_amount | integer | M | 支付方变动后金额\ |
| 9 | receive\_account\_id | character varying | M | 收款方子账号id |
| 11 | receive\_amount | integer | M | 收款方收款金额 |
| 12 | receive\_time | timestamp | M | 收款时间 |
| 13 | receive\_pre\_amount | integer | M | 收款方变动前金额 |
| 14 | receive\_post\_amount | integer | M | 收款方变动后金额 |
| 15 | poundage\_scale | integer | M | 手续费比例 |
| 16 | poundage | integer | M | 手续费 |
| 17 | state | integer | M | 交易状态,0.交易成功 |
| 18 | createtime |  | M |  |
| 19 | scenarios | integer | O | 应用场景，  0.公交刷卡， |
| 20 | account\_merchant\_id | character varying | O | 交易账户的商户名称， |
| 21 | out\_sno | character varying | O | 第三方支付流水号 |
| 22 | out\_state | integer | M | 第三方支付账户的支付状态，0.最终成功(异步通知成功)，-1.等待放入队列，1. 放入队列成功，2.同步返回成功 |
| 23 | memo | character varying | O | 账户支付描述 |
| 24 | out\_account\_id | character varying | O | 第三方账户的编号，目前tfd存放的是实名的手机号 |

## 资金充值流水（card\_subaccount\_recharge\_bill）

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 序号 | 字段名 | 类型 | 是否必填项 | 描述 |
| 1 | id | integer | M |  |
| 2 | sno | character varying | M | 充值流水号 |
| 3 | account\_id | character varying | M | 账号id |
| 4 | recharge\_way | integer | M | 充值方式,  1.代充,  3.app赠送,  4. 微信APP支付,  5 . 支付宝支付,  6.微信JS支付 |
| 5 | recharge\_fee | integer | M | 充值金额 |
| 6 | recharge\_note | character varying |  | 充值备注 |
| 7 | out\_account | character varying |  | 第三方充值账号，例如支付宝账号、微信账号等 |
| 8 | out\_sno | character varying | M | 关联的卡交易号 |
| 9 | out\_note | character varying |  | 第三方交易备注 |
| 11 | out\_pay\_time | timestamp | M | 第三方支付时间 |
| 12 | state | integer | M | 状态,0.交易成功 |
| 13 | pre\_amount | integer | M | 变动前金额 |
| 14 | post\_amount | integer | M | 变动后金额 |
| 15 | createtime | timestamp | M |  |
| 16 | merchant\_id | character varying |  | 商户编号 |

## 资金退款流水（card\_subaccount\_refund\_bill）

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 序号 | 字段名 | 类型 | 是否必填项 | 描述 |
| 1 | id | integer | M |  |
| 2 | sno | character varying | M | 退款流水号 |
| 3 | order\_no | character varying | M | 关联的订单编号 |
| 4 | pay\_account\_id | character varying | M | 付款方子账号id |
| 5 | pay\_amount | integer | M | 支付金额 |
| 6 | pay\_time | timestamp | M | 支付时间 |
| 7 | pay\_pre\_amount | integer | M | 付款方变动前金额 |
| 8 | pay\_post\_amount | integer | M | 付款方变动后金额 |
| 9 | receive\_account\_id | character varying | M | 收款方子账号id |
| 11 | receive\_amount | integer | M | 收款方收款金额 |
| 12 | receive\_time | timestamp | M | 收款方收款时间 |
| 13 | receive\_pre\_amount | integer | M | 收款方变动前金额 |
| 14 | receive\_post\_amount | integer | M | 收款方变动后金额 |
| 15 | poundage\_scale | integer | M | 手续费比例 |
| 16 | poundage | integer | M | 手续费 |
| 17 | state | integer | M | 交易状态,0.交易成功 |
| 18 | createtime | timestamp | M |  |
| 19 | account\_merchant\_id | character varying | O | 交易账户的商户名称 |
| 20 | out\_sno | character varying | O | 第三方退款流水号 |
| 21 | out\_state | integer | M | 第三方支付账户的退款状态， 0.成功，  -1.等待通知第三方商户 |

## 提现交易流水（card\_subaccount\_cash\_bill）

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 序号 | 字段名 | 类型 | 是否必填项 | 描述 |
| 1 | id | integer | M |  |
| 2 | sno | character varying | M | 提现流水号 |
| 3 | account\_id | character varying | M | 子账号id |
| 4 | note | character varying | O | 提现备注 |
| 5 | cash\_amount | integer | M | 总提现金额 = 可提取的提现金额 + 不可提取的提现金额 |
| 6 | cash\_time | timestamp | M | 提现时间 |
| 7 | pre\_amount | integer | M | 变动前金额 |
| 8 | post\_amount | integer | M | 变动后金额 |
| 9 | receive\_type | integer | M | 提现方式,1.商户月结，2.用户销卡，3.银行卡,4.微信，5.支  付宝 |
| 11 | receive\_out\_account | character varying | O | 提现第三方账号，例如：支付宝账号、微信账号、银行卡号 |
| 12 | receive\_out\_sno | character varying | M | 关联的卡交易号 |
| 13 | receive\_out\_note | character varying | M | 提现第三方收款备注 |
| 14 | receive\_amount | integer | M | 第三方收款金额 |
| 15 | receive\_time | timestamp | M | 收款时间 |
| 16 | receive\_pre\_amount | integer | M | 第三方变动前金额 |
| 17 | receive\_post\_amount | integer | M | 第三方变动后金额 |
| 18 | poundage\_scale | integer | M | 手续费比例 |
| 19 | poundage | integer | M | 手续费 |
| 20 | state | integer | M | 交易状态,-1,交易失败,0.等待交易（待支付）,1.交易成功 |
| 21 | createtime | timestamp | M |  |
| 22 | cash\_withdraw | integer | M | 可提取的提现金额 |
| 23 | uncash\_withdraw | integer | M | 不可提取的提现金额 |
| 24 | freeze\_cash\_withdraw | integer | M | 冻结可提取的提现金额 |
| 25 | freeze\_uncash\_withdraw | integer | M | 冻结不可提取的提现金额 |