# 【系统数据结构设计】

数据库设计

Mysql

一．银行信息表(bank)

|  |  |  |  |
| --- | --- | --- | --- |
| **名称** | **标识符** | **数据类型** | **长度** |
| **银行序号** | bankNum | int | 10 |
| **银行名字** | bankName | varchar | 20 |
| **联系方式** | contact | varchar | 20 |

二．普通用户信息表(user)

|  |  |  |  |
| --- | --- | --- | --- |
| **名称** | **标识符** | **数据类型** | **长度** |
| **用户序号** | userNum | bigint | 10 |
| **用户名字** | userName | varchar | 20 |
| **用户密码** | userPwd | varchar | 20 |
| **用户权限** | userRight | varchar | 2 |
| **真实姓名** | tureName | varchar | 20 |
| **身份证号码** | idNum | varchar | 18 |
| **电话号码** | telephoneNum | varchar | 20 |
| **联系地址** | address | varchar | 50 |
| **认证与否** | isIdentify | tinyint | 1 |
| **注册时间** | registerTime | varchar | 20 |

三．管理员信息表（manager）

|  |  |  |  |
| --- | --- | --- | --- |
| **名称** | **标识符** | **数据类型** | **长度** |
| **管理员序号** | managerNum | bigint | 10 |
| **管理员名字** | managerName | varchar | 20 |
| **管理员密码** | managerPwd | varchar | 20 |
| **管理员权限** | managerRight | varchar | 2 |
| **电话号码** | telephoneNum | varchar | 20 |

四．用户认证信息表(userBankIdentify)

|  |  |  |  |
| --- | --- | --- | --- |
| **名称** | **标识符** | **数据类型** | **长度** |
| **用户序号** | userNum | bigint | 10 |
| **银行卡号** | bankAccount | varchar | 20 |
| **银行卡认证结果** | bankAccountIdentify | tinyint | 1 |

五．产品信息(product)

|  |  |  |  |
| --- | --- | --- | --- |
| **名称** | **标识符** | **数据类型** | **长度** |
| **产品序号** | productNum | bigint | 10 |
| **产品名称** | productName | varchar | 20 |
| **产品类别** | category | varchar | 20 |
| **利率** | intrate | float | 10 |
| **银行序号** | bankNum | bigint | 10 |
| **产品****描述** | productDescription | text | 1000 |
| **图片地址** | pictureAddress | varchar | 255 |

六．业务扩展历史记录表（productHistory）

|  |  |  |  |
| --- | --- | --- | --- |
| **名称** | **标识符** | **数据类型** | **长度** |
| **产品序号** | productNum | bigint | 10 |
| **产品名称** | productName | varchar | 20 |
| **产品类别** | category | varchar | 20 |
| **利率** | intrate | float | 10 |
| **银行序号** | bankNum | int | 10 |
| **产品描述** | productDescription | text | 1000 |
| **上传时间** | uploadTime | varchar | 20 |
| **删除时间** | deleteTime | varchar | 20 |
| **修改时间** | alterTime | varchar | 20 |
| **修改人员** | managerNum | bigint | 10 |

七．产品使用统计情况表(usageDate)

|  |  |  |  |
| --- | --- | --- | --- |
| **名称** | **标识符** | **数据类型** | **长度** |
| **审核序号** | checkNum | bigint | 10 |
| **产品序号** | productNum | bigint | 10 |
| **用户序号** | userNum | bigint | 10 |
| **银行卡号** | bankAccount | varchar | 20 |
| **银行序号** | bankNum | int | 10 |
| **年限** | year | int | 2 |
| **金额** | amount | double | 20 |
| **开始时间** | startTime | varchar | 20 |
| **本息计算方式** | equation | int | 2 |

八．审核情况表(audit)

|  |  |  |  |
| --- | --- | --- | --- |
| **名称** | **标识符** | **数据类型** | **长度** |
| **审核序号** | checkNum | bigint | 10 |
| **用户序号** | userNum | bigint | 10 |
| **产品序号** | productNum | bigint | 10 |
| **银行卡号** | bankAccount | varchar | 20 |
| **审核情况(只有0，正负一)** | checkState | Int | 2 |
| **合同序号** | contractNum | bigInt | 10 |
| **是否签订合同** | isSignContract | tinyint | 1 |
| **年限** | year | Int | 2 |
| **金额** | amount | double | 20 |
| **申请时间** | applyTime | varchar | 20 |
| **本息计算方式** | equation | int | 2 |

九．流水信息表(transaction)

|  |  |  |  |
| --- | --- | --- | --- |
| **名称** | **标识符** | **数据类型** | **长度** |
| **流水号** | transactionNum | bigint | 10 |
| **付款方(银行或用户序号)** | payer | bigint | 10 |
| **收款方(银行或用户序号)** | payee | bigint | 10 |
| **交易时间** | transactionTime | varchar | 20 |
| **交易金额** | transactionAmount | double | 20 |
| **备注** | note | text | 255 |
| **审核码** | checkNum | bigint | 10 |

十、还款记录表(repayment)

|  |  |  |  |
| --- | --- | --- | --- |
| **名称** | **标识符** | **数据类型** | **长度** |
| 审核码 | checkNum | bigint | 10 |
| 已还本金 | repAmount | Double | 20 |
| 总还款 | repSum | double | 20 |