**SmartWater数据库说明文档**

**表名:auth\_Apps**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **序号** | **字段名称** | **标识** | **主键** | **类型** | **长度** | **允许空** | **默认值** | **字段说明** |
| 1 | AppId | 1 | 1 | int | 10 | 0 |  |  |
| 2 | AppKey | 0 | 0 | varchar | 50 | 0 |  |  |
| 3 | AppSecret | 0 | 0 | varchar | 50 | 0 |  |  |
| 4 | AppType | 0 | 0 | int | 10 | 0 | ((1)) | 应用类型 1.web应用系统 2.手机应用 3.桌面应用程序 |
| 5 | AppName | 0 | 0 | varchar | 50 | 0 |  | 应用名称 |
| 6 | AppUrl | 0 | 0 | varchar | 300 | 0 |  | 应用网址 |
| 7 | Logo | 0 | 0 | varchar | 50 | 1 |  |  |
| 8 | Author | 0 | 0 | varchar | 50 | 0 |  | 该App的作者 |
| 9 | AppDescription | 0 | 0 | varchar | 500 | 1 |  | 应用介绍 |
| 10 | RegisteTime | 0 | 0 | datetime | 23 | 0 |  | 提交注册时间 |
| 11 | AuditTime | 0 | 0 | datetime | 23 | 0 |  | 审核时间 |
| 12 | Status | 0 | 0 | int | 10 | 0 | ((0)) | 应用的状态 0,未审核 1,通过 2,未通过 |
| 13 | ManageOrgId | 0 | 0 | varchar | 2500 | 1 |  |  |
| 14 | IncludeChildOrgs | 0 | 0 | bit | 1 | 1 |  |  |
| 15 | TempApiAccessToken | 0 | 0 | varchar | 50 | 1 |  |  |
| 16 | TokenExpireTime | 0 | 0 | datetime | 23 | 1 |  |  |

**表名:auth\_Tokens**

说明:身份认证凭证token

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **序号** | **字段名称** | **标识** | **主键** | **类型** | **长度** | **允许空** | **默认值** | **字段说明** |
| 1 | Token | 0 | 1 | varchar | 50 | 0 |  | 凭证 |
| 2 | UserId | 0 | 0 | varchar | 36 | 0 |  | 用户id |
| 3 | Name | 0 | 0 | varchar | 50 | 1 |  |  |
| 4 | OrgId | 0 | 0 | varchar | 36 | 0 |  |  |
| 5 | LastActiveTime | 0 | 0 | datetime | 23 | 0 |  | 最后活跃时间 |
| 6 | FirstLoginTime | 0 | 0 | datetime | 23 | 0 |  | 首次登陆时间 |
| 7 | IsOnline | 0 | 0 | bit | 1 | 0 |  | 是否在线 |
| 8 | IsExpired | 0 | 0 | bit | 1 | 0 |  | 是否过期 |

**表名:dev\_ControlCommands**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **序号** | **字段名称** | **标识** | **主键** | **类型** | **长度** | **允许空** | **默认值** | **字段说明** |
| 1 | Code | 0 | 0 | varchar | 30 | 0 |  |  |
| 2 | DisplayName | 0 | 0 | nvarchar | 30 | 0 |  |  |
| 3 | Description | 0 | 0 | nvarchar | 280 | 1 |  |  |
| 4 | DeviceTypeId | 0 | 0 | int | 10 | 0 |  |  |
| 5 | Value | 0 | 0 | int | 10 | 1 |  |  |
| 6 | ImplementType | 0 | 0 | varchar | 300 | 1 |  | 实现该操作的类型 |

**表名:dev\_DeviceCommonUseds**

说明:农户常用设备列表

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **序号** | **字段名称** | **标识** | **主键** | **类型** | **长度** | **允许空** | **默认值** | **字段说明** |
| 1 | Id | 1 | 1 | int | 10 | 0 |  |  |
| 2 | DeviceId | 0 | 0 | varchar | 50 | 0 |  | 设备id |
| 3 | UserId | 0 | 0 | int | 10 | 0 |  | 用户Id |

**表名:dev\_DeviceParameterSettings**

说明:设备应用的参数（暂时不用）

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **序号** | **字段名称** | **标识** | **主键** | **类型** | **长度** | **允许空** | **默认值** | **字段说明** |
| 1 | Id | 1 | 1 | int | 10 | 0 |  |  |
| 2 | DeviceId | 0 | 0 | varchar | 50 | 0 |  |  |
| 3 | ParameterId | 0 | 0 | int | 10 | 0 |  | 设备参数id |
| 4 | ParameterName | 0 | 0 | varchar | 50 | 1 |  | 设备参数名称 |
| 5 | WarningMinValue | 0 | 0 | float | 53 | 1 |  |  |
| 6 | WarningMaxValue | 0 | 0 | float | 53 | 1 |  |  |

**表名:dev\_Devices**

说明:设备列表

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **序号** | **字段名称** | **标识** | **主键** | **类型** | **长度** | **允许空** | **默认值** | **字段说明** |
| 1 | DeviceId | 0 | 1 | varchar | 50 | 0 |  | 设备id（由系统自动编号） |
| 2 | DeviceTypelId | 0 | 0 | int | 10 | 0 |  | 设备类别 |
| 3 | OrgId | 0 | 0 | varchar | 36 | 0 | ((1)) | 租户Id |
| 4 | Name | 0 | 0 | varchar | 50 | 0 |  | 设备名称 |
| 5 | FactoryNumber | 0 | 0 | varchar | 30 | 0 |  | 设备出厂编号 |
| 6 | Longitude | 0 | 0 | float | 53 | 0 |  | 经度 |
| 7 | Latitude | 0 | 0 | float | 53 | 0 |  | 纬度 |
| 8 | NetworkStatus | 0 | 0 | int | 10 | 0 |  | 网络状态 |
| 9 | ElectricQuantity | 0 | 0 | float | 53 | 1 |  | 电量 |
| 10 | Voltage | 0 | 0 | float | 53 | 1 |  | 电压 |
| 11 | Status | 0 | 0 | int | 10 | 0 |  | 设备状态 |
| 12 | StatusDisplay | 0 | 0 | varchar | 30 | 1 |  | 设备状态（显示用） |
| 13 | CreateDate | 0 | 0 | datetime | 23 | 0 |  | 创建时间 |
| 14 | InstallAddrId | 0 | 0 | int | 10 | 1 |  | 安装地Id |
| 15 | InstallDate | 0 | 0 | datetime | 23 | 1 |  | 安装时间 |
| 16 | LastRequestTime | 0 | 0 | datetime | 23 | 1 |  | 最后通信时间 |
| 17 | ManagerUserId | 0 | 0 | varchar | 36 | 1 |  | 管护人Id |
| 18 | Ext1 | 0 | 0 | varchar | 50 | 1 |  | 扩展字段1 |
| 19 | Ext2 | 0 | 0 | varchar | 50 | 1 |  | 扩展字段2 |
| 20 | Ext3 | 0 | 0 | varchar | 50 | 1 |  | 扩展字段3 |
| 21 | Enabled | 0 | 0 | bit | 1 | 0 | ((0)) |  |

**表名:dev\_DeviceTypeParameters**

说明:设备类型（型号）参数

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **序号** | **字段名称** | **标识** | **主键** | **类型** | **长度** | **允许空** | **默认值** | **字段说明** |
| 1 | ParameterId | 0 | 1 | int | 10 | 0 |  | 参数id |
| 2 | Order | 0 | 0 | int | 10 | 0 |  | 排序 |
| 3 | DeviceTypeId | 0 | 0 | int | 10 | 0 |  | 设备类型id |
| 4 | GroupName | 0 | 0 | varchar | 50 | 1 |  | 参数分组名称 |
| 5 | Key | 0 | 0 | varchar | 50 | 0 |  | 参数英文名 |
| 6 | Name | 0 | 0 | varchar | 40 | 0 | ('') | 参数中文名 |
| 7 | SimpleName | 0 | 0 | varchar | 40 | 0 | ('') | 简化名称 |
| 8 | Unit | 0 | 0 | varchar | 40 | 1 | ('') | 单位 |
| 9 | Format | 0 | 0 | varchar | 20 | 1 | ('') | 格式 |
| 10 | IsNumber | 0 | 0 | bit | 1 | 0 | ((1)) | 参数数据是否为数字 |

**表名:dev\_DeviceTypes**

说明:设备类型或型号

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **序号** | **字段名称** | **标识** | **主键** | **类型** | **长度** | **允许空** | **默认值** | **字段说明** |
| 1 | TypeId | 0 | 1 | int | 10 | 0 |  | 设备类型（型号）Id |
| 2 | Model | 0 | 0 | varchar | 50 | 1 |  | 产品型号 |
| 3 | Name | 0 | 0 | varchar | 50 | 0 |  |  |
| 4 | SupplierName | 0 | 0 | varchar | 60 | 1 |  | 供应商 |
| 5 | CatelogId | 0 | 0 | int | 10 | 0 |  | 设备大分类Id |
| 6 | TableName | 0 | 0 | varchar | 50 | 1 |  | 数据存储对应的数据库表名 |

**表名:dev\_DeviceTypeStatus**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **序号** | **字段名称** | **标识** | **主键** | **类型** | **长度** | **允许空** | **默认值** | **字段说明** |
| 1 | Id | 1 | 1 | int | 10 | 0 |  |  |
| 2 | DeviceTypeId | 0 | 0 | int | 10 | 1 |  |  |
| 3 | Status | 0 | 0 | int | 10 | 1 |  |  |
| 4 | StatusDisaplyName | 0 | 0 | varchar | 20 | 1 |  |  |

**表名:dev\_DeviceWarningRules**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **序号** | **字段名称** | **标识** | **主键** | **类型** | **长度** | **允许空** | **默认值** | **字段说明** |
| 1 | ConditionId | 0 | 1 | int | 10 | 0 |  |  |
| 2 | RefConditionId | 0 | 0 | int | 10 | 1 |  | 引用的预警规则条件Id |
| 3 | DeviceId | 0 | 0 | varchar | 36 | 0 |  |  |
| 4 | CondtionType | 0 | 0 | int | 10 | 0 | ((1)) |  |
| 5 | ParameterKey | 0 | 0 | varchar | 30 | 0 |  | 判断参数名 |
| 6 | ParameterName | 0 | 0 | nvarchar | 30 | 0 |  | 判断参数名(显示名称) |
| 7 | Operator | 0 | 0 | varchar | 10 | 0 |  | 判断操作符，如> < =等 |
| 8 | CompareValue | 0 | 0 | float | 53 | 0 |  | 比较的值，如: “电量>60” 其中在操作符右边的60就是CompareValue |
| 9 | NotifyMsgContent | 0 | 0 | nvarchar | 50 | 0 |  |  |
| 10 | ConditionControlDeviceId | 0 | 0 | varchar | 36 | 1 |  | 满足预警规则条件后控制的设备 |
| 11 | ConditionControlCmd | 0 | 0 | varchar | 50 | 1 |  | 触发预警条件后控制的设备操作指令 |

**表名:dev\_DevOperateLogs**

说明:设备操作日志

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **序号** | **字段名称** | **标识** | **主键** | **类型** | **长度** | **允许空** | **默认值** | **字段说明** |
| 1 | Id | 0 | 1 | int | 10 | 0 |  |  |
| 2 | DeviceId | 0 | 0 | varchar | 50 | 0 |  | 设备id |
| 3 | Status | 0 | 0 | int | 10 | 0 |  | 状态 |
| 4 | OperateUserId | 0 | 0 | int | 10 | 0 |  | 操作员 |
| 5 | OperateTime | 0 | 0 | datetime | 23 | 0 |  | 操作时间 |

**表名:dev\_ValveOperate**

说明:农户对球阀的操作

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **序号** | **字段名称** | **标识** | **主键** | **类型** | **长度** | **允许空** | **默认值** | **字段说明** |
| 1 | OperateId | 0 | 1 | uniqueidentifier | 16 | 0 |  |  |
| 2 | OperateUserId | 0 | 0 | int | 10 | 0 |  | 球阀操作人的农户id |
| 3 | StartTime | 0 | 0 | datetime | 23 | 0 |  | 开始时间 |
| 4 | EndTime | 0 | 0 | datetime | 23 | 1 |  | 结束时间 |
| 5 | TimeoutMinute | 0 | 0 | int | 10 | 0 |  | 倒计时时间，倒计时结束后关闭阀门 |
| 6 | IsClosed | 0 | 0 | bit | 1 | 0 |  | 是否已关闭 |

**表名:dev\_ValveOperateDevices**

说明:农户对球阀的操作涉及到的设备id列表

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **序号** | **字段名称** | **标识** | **主键** | **类型** | **长度** | **允许空** | **默认值** | **字段说明** |
| 1 | Id | 1 | 1 | int | 10 | 0 |  |  |
| 2 | OperateId | 0 | 0 | uniqueidentifier | 16 | 0 |  | 操作id |
| 3 | DeviceId | 0 | 0 | varchar | 50 | 0 |  | 设备id |
| 4 | DeviceName | 0 | 0 | varchar | 50 | 1 |  | 设备名称 |
| 5 | Status | 0 | 0 | int | 10 | 0 |  | 设备状态 |
| 6 | UserId | 0 | 0 | int | 10 | 0 |  | 操作者id |
| 7 | OpTime | 0 | 0 | datetime | 23 | 0 |  | 操作时间 |
| 8 | EndTime | 0 | 0 | datetime | 23 | 1 |  | 结束时间 |

**表名:dev\_WarningRules**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **序号** | **字段名称** | **标识** | **主键** | **类型** | **长度** | **允许空** | **默认值** | **字段说明** |
| 1 | RuleId | 1 | 1 | int | 10 | 0 |  |  |
| 2 | BaseRuleId | 0 | 0 | int | 10 | 1 |  | 从哪个规则Id继承的？ |
| 3 | Name | 0 | 0 | varchar | 50 | 0 |  |  |
| 4 | DeviceTypeId | 0 | 0 | int | 10 | 0 |  |  |
| 5 | DeviceId | 0 | 0 | varchar | 50 | 1 |  | 应用到具体设备的规则 |
| 6 | CondtionType | 0 | 0 | int | 10 | 0 | ((1)) |  |
| 7 | ParameterKey | 0 | 0 | varchar | 30 | 0 |  | 判断参数名 |
| 8 | ParameterName | 0 | 0 | nvarchar | 30 | 0 |  | 判断参数名(显示名称) |
| 9 | Operator | 0 | 0 | varchar | 10 | 0 |  | 判断操作符，如> < =等 |
| 10 | CompareValue | 0 | 0 | float | 53 | 0 |  | 比较的值，如: “电量>60” 其中在操作符右边的60就是CompareValue |
| 11 | NotifyMsgContent | 0 | 0 | nvarchar | 50 | 0 |  |  |
| 12 | IsPublic | 0 | 0 | bit | 1 | 0 | ((0)) | 是否规则库里面的功用规则 |
| 13 | Description | 0 | 0 | nvarchar | 200 | 1 |  |  |
| 14 | FireControlDeviceId | 0 | 0 | varchar | 36 | 1 |  | 触发预警后，控制的设备id |
| 15 | FireControlCmd | 0 | 0 | varchar | 200 | 1 |  | 触发预警后，下发控制指令 |
| 16 | CreateUserId | 0 | 0 | varchar | 36 | 0 |  | 创建者用户id |
| 17 | CreateTime | 0 | 0 | datetime | 23 | 0 |  |  |
| 18 | OrgId | 0 | 0 | varchar | 36 | 1 |  |  |
| 19 | Sort | 0 | 0 | float | 53 | 0 |  |  |
| 20 | IsDeleted | 0 | 0 | bit | 1 | 0 | ((0)) |  |

**表名:dev\_WindDirections**

说明:风向中英文对照表

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **序号** | **字段名称** | **标识** | **主键** | **类型** | **长度** | **允许空** | **默认值** | **字段说明** |
| 1 | Id | 0 | 1 | int | 10 | 0 |  |  |
| 2 | Name | 0 | 0 | varchar | 20 | 0 |  |  |
| 3 | Code | 0 | 0 | varchar | 10 | 0 |  |  |
| 4 | Angle | 0 | 0 | float | 53 | 0 |  |  |
| 5 | Min | 0 | 0 | float | 53 | 0 |  |  |
| 6 | Max | 0 | 0 | float | 53 | 0 |  |  |

**表名:sys\_Areas**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **序号** | **字段名称** | **标识** | **主键** | **类型** | **长度** | **允许空** | **默认值** | **字段说明** |
| 1 | AreaId | 0 | 1 | varchar | 30 | 0 |  |  |
| 2 | ParentId | 0 | 0 | varchar | 30 | 0 |  |  |
| 3 | AreaName | 0 | 0 | nvarchar | 100 | 0 |  |  |
| 4 | OwnerGBAreaCode | 0 | 0 | varchar | 60 | 1 |  | 所属地区的国家区域编码 |
| 5 | OrgId | 0 | 0 | varchar | 36 | 1 |  |  |

**表名:sys\_Departments**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **序号** | **字段名称** | **标识** | **主键** | **类型** | **长度** | **允许空** | **默认值** | **字段说明** |
| 1 | DeptId | 0 | 1 | varchar | 36 | 0 |  |  |
| 2 | ParentId | 0 | 0 | varchar | 36 | 1 |  |  |
| 3 | Name | 0 | 0 | varchar | 50 | 0 |  |  |
| 4 | OrgId | 0 | 0 | varchar | 36 | 0 |  |  |

**表名:sys\_NotifyReceivers**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **序号** | **字段名称** | **标识** | **主键** | **类型** | **长度** | **允许空** | **默认值** | **字段说明** |
| 1 | NotifyId | 0 | 1 | int | 10 | 0 |  |  |
| 2 | RelatedType | 0 | 0 | varchar | 50 | 0 |  | 关联主体的类型 |
| 3 | RelatedId | 0 | 0 | varchar | 36 | 0 |  | 关联主体的主键id |
| 4 | Frequency | 0 | 0 | int | 10 | 0 |  | 通知频次(-10表示不通知；-1表示仅通知1次；0表示无限制、其他大于0的数值表示在X分钟内通知1次) |
| 5 | NotifyType | 0 | 0 | varchar | 10 | 0 |  | 通知类型（SMS、Phone、System） |
| 6 | ReceiverType | 0 | 0 | varchar | 12 | 0 |  | 接收这类型（如User、Role） |
| 7 | ReceiverIds | 0 | 0 | varchar | 200 | 0 |  | 接受者Id |
| 8 | OthersMobile | 0 | 0 | varchar | 300 | 0 |  | 接收消息的其他人的手机号码 |

**表名:sys\_Orgs**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **序号** | **字段名称** | **标识** | **主键** | **类型** | **长度** | **允许空** | **默认值** | **字段说明** |
| 1 | OrgId | 0 | 1 | varchar | 36 | 0 |  | 组织机构主键ID |
| 2 | ParentId | 0 | 0 | varchar | 15 | 1 | ((1)) | 上级组织,外键(Orgs.FOrgID) |
| 3 | Name | 0 | 0 | nvarchar | 60 | 0 |  | 组织机构名称 |
| 4 | PinyinName | 0 | 0 | varchar | 512 | 1 |  | 组织机构名称全拼 |
| 5 | SimplePyName | 0 | 0 | varchar | 64 | 1 |  | 组织机构名称拼音简写 |
| 6 | CantactName | 0 | 0 | varchar | 50 | 1 |  | 联系人 |
| 7 | Phone | 0 | 0 | nvarchar | 50 | 1 |  | 组织机构联系电话 |
| 8 | FPropertyID | 0 | 0 | nvarchar | 50 | 1 |  |  |
| 9 | UserCount | 0 | 0 | int | 10 | 0 | ((0)) | 最大用户数量 |
| 10 | Address | 0 | 0 | nvarchar | 80 | 0 |  | 学校地址 |
| 11 | IsDisable | 0 | 0 | bit | 1 | 0 | ((0)) | 是否禁用 |
| 12 | Remark | 0 | 0 | varchar | 500 | 1 |  | 备注 |
| 13 | Logo | 0 | 0 | varchar | 50 | 1 |  | logo图标Url地址 |
| 14 | Sort | 0 | 0 | float | 53 | 1 |  | 排序 |
| 15 | AreaCode | 0 | 0 | varchar | 50 | 1 |  | 行政区域编码 |
| 16 | OrgType | 0 | 0 | int | 10 | 0 |  | 组织类型 （1 - 学校，2 - 教育局，3 - 学区，4 - 下属机构，5 - 公司） |
| 17 | FAdminID | 0 | 0 | uniqueidentifier | 16 | 1 |  | 组织机构管理员ID |
| 18 | OrgIdFullPath | 0 | 0 | varchar | 320 | 1 |  | 记录orgId全路径 |
| 19 | IsDeleted | 0 | 0 | bit | 1 | 0 | ((0)) | 是否已删除 |

**表名:sys\_Roles**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **序号** | **字段名称** | **标识** | **主键** | **类型** | **长度** | **允许空** | **默认值** | **字段说明** |
| 1 | RoleId | 0 | 1 | int | 10 | 0 |  |  |
| 2 | OrgId | 0 | 0 | varchar | 36 | 0 |  | 学校编号，外键（Schools.FSchoolID） |
| 3 | ParentRoleId | 0 | 0 | uniqueidentifier | 16 | 1 |  |  |
| 4 | FName | 0 | 0 | nvarchar | 40 | 0 | ('') | 角色名称 |
| 5 | AdminLevel | 0 | 0 | int | 10 | 0 | ((1)) | 管理级别 |
| 6 | IsCoreRole | 0 | 0 | bit | 1 | 0 | ((0)) | 是否系统核心角色，如果是，不能被删除 |
| 7 | IsPublicRole | 0 | 0 | bit | 1 | 0 | ((0)) | 是否公共角色 |
| 8 | Sort | 0 | 0 | int | 10 | 0 | ((0)) | 序号 |
| 9 | DefaultFuncs | 0 | 0 | varchar | 800 | 1 |  | 默认拥有的功能权限 |
| 10 | DefaultModules | 0 | 0 | varchar | 800 | 1 |  | 默认拥有的模块权限 |
| 11 | Description | 0 | 0 | text | 2147483647 | 1 |  |  |
| 12 | Type | 0 | 0 | int | 10 | 0 | ((1)) | 1.管理平台账号 2.公司运营后台 |

**表名:sys\_UserInRoles**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **序号** | **字段名称** | **标识** | **主键** | **类型** | **长度** | **允许空** | **默认值** | **字段说明** |
| 1 | Id | 1 | 1 | int | 10 | 0 |  | 主键 |
| 2 | UserId | 0 | 0 | varchar | 36 | 0 |  | 用户编号 |
| 3 | RoleId | 0 | 0 | int | 10 | 0 |  | 角色编号，外键Roles.FRoleID |
| 4 | IsDefaultConfig | 0 | 0 | bit | 1 | 0 | ((0)) | true:不能删除，属于系统固有的配置 |

**表名:sys\_Users**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **序号** | **字段名称** | **标识** | **主键** | **类型** | **长度** | **允许空** | **默认值** | **字段说明** |
| 1 | UserId | 0 | 1 | varchar | 36 | 0 |  | 用户Id |
| 2 | OrgId | 0 | 0 | varchar | 36 | 0 |  | 所属组织机构ID |
| 3 | AreaId | 0 | 0 | varchar | 50 | 1 |  | 归属区域 |
| 4 | LoginName | 0 | 0 | varchar | 64 | 0 |  | 用户名 |
| 5 | RealName | 0 | 0 | nvarchar | 64 | 0 |  | 真实姓名 |
| 6 | Mobile | 0 | 0 | varchar | 16 | 1 |  | 账户手机 |
| 7 | Email | 0 | 0 | varchar | 64 | 1 |  | 电子邮箱 |
| 8 | IDCard | 0 | 0 | varchar | 50 | 1 |  | 身份证号 |
| 9 | Sex | 0 | 0 | nvarchar | 1 | 0 | ((1)) | 性别 |
| 10 | Birthday | 0 | 0 | datetime | 23 | 1 |  | 生日 |
| 11 | Password | 0 | 0 | varchar | 64 | 0 |  | 密码 |
| 12 | UserType | 0 | 0 | int | 10 | 0 |  | 用户类型(1为管理后台账号，2为农户) |
| 13 | Avatar | 0 | 0 | varchar | 360 | 1 |  | 头像 |
| 14 | IsEmailVerified | 0 | 0 | bit | 1 | 0 | ((0)) | 邮箱是否已验证 |
| 15 | IsMobileVerified | 0 | 0 | bit | 1 | 0 | ((0)) | 手机是否已验证 |
| 16 | LoginTimes | 0 | 0 | int | 10 | 0 | ((0)) | 登录次数 |
| 17 | RegisterTime | 0 | 0 | datetime | 23 | 0 |  | 注册时间 |
| 18 | LastLoginTime | 0 | 0 | datetime | 23 | 1 |  | 最后登录时间 |
| 19 | LastLoginIP | 0 | 0 | varchar | 50 | 1 |  | 最后登录IP |
| 20 | IsBanned | 0 | 0 | bit | 1 | 0 | ((0)) | 是否封禁 |
| 21 | IsActivated | 0 | 0 | bit | 1 | 0 | ((0)) | 账号是否已激活 |
| 22 | BanReason | 0 | 0 | varchar | 64 | 1 |  | 封禁理由 |
| 23 | IsDeleted | 0 | 0 | bit | 1 | 0 | ((0)) | 是否已删除 |
| 24 | Version | 0 | 0 | timestamp | 8 | 0 |  | 版本号 |
| 25 | WxAppId | 0 | 0 | varchar | 200 | 1 |  | 微信端用于登录授权的openid |

**表名:sys\_VerifyCode**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **序号** | **字段名称** | **标识** | **主键** | **类型** | **长度** | **允许空** | **默认值** | **字段说明** |
| 1 | Id | 0 | 1 | varchar | 36 | 0 |  |  |
| 2 | Captcha | 0 | 0 | nvarchar | 100 | 1 |  |  |
| 3 | SendTime | 0 | 0 | datetime | 23 | 0 |  |  |
| 4 | ExpirationTime | 0 | 0 | datetime | 23 | 0 |  |  |
| 5 | UserId | 0 | 0 | varchar | 36 | 1 |  |  |
| 6 | Receiver | 0 | 0 | nvarchar | 100 | 1 |  |  |
| 7 | CodeType | 0 | 0 | int | 10 | 0 |  |  |
| 8 | MsgType | 0 | 0 | int | 10 | 0 | ((1)) | 1:短信；2.语音 |
| 9 | IP | 0 | 0 | varchar | 50 | 0 | ('') |  |

存储过程

视图