声波通信数据库文档设计

数据库设计

管理员(admin)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Field | Type | Length | Default | Index | Descrip |
| adminID | Int | 11 |  | True | PK,AutoIncrete |
| adminName | varchar | 30 | String.empty | True | 管理员名称 |
| adminPSW | varchar | 32 | String.empty | True | 管理员密码，md5加密 |
| adminLevel | Int | 1 | 0 | False | 管理员权限 |
| fatherAdminID | Int | 11 | 0 | False | 父级管理员ID，0为顶级管理员 |
| createTime | Timestamp | 32 | CURRENT\_TIMESTAMP | False | 创建时间 |
| isDelete | Int | 1 | 0 | False | 逻辑删除 |

需求场景(require)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Field | Type | Length | Default | Index | Descrip |
| requireID | Int | 11 |  | True | PK,AutoIncrete |
| requireName | varchar | 30 | String.empty | False | 需求场景名称 |
| requireDeScript | varchar | 255 | String.empty | False | 需求场景介绍 |
| createTime | Timestamp | 32 | CURRENT\_TIMESTAMP | False | 创建时间 |
| isDelete | Int | 1 | 0 | False | 逻辑删除 |

设备组(devicegroup)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Field | Type | Length | Default | Index | Descrip |
| groupID | Int | 11 |  | true | PK,AutoIncrete |
| groupName | varchar | 30 | String.empty | False | 设备组名称 |
| fatherGroupID | Int | 11 | 0 | True | 父级设备组ID，0为顶级分组 |
| createTime | Timestamp | 32 | CURRENT\_TIMESTAMP | False | 创建时间 |
| isDelete | Int | 1 | 0 | False | 逻辑删除 |

设备(device)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Field | Type | Length | Default | Index | Descrip |
| deviceID | Int | 11 |  | True | PK,AutoIncrete(四位十六进制检索) |
| requireID | Int | 11 | 0 | True | FK |
| groupID | Int | 11 | 0 | True | FK |
| deviceName | Varchar | 30 | String.empty | False | 设备名称 |
| createTime | Timestamp | 32 | CURRENT\_TIMESTAMP | False | 创建时间 |
| isDelete | Int | 1 | 0 | False | 逻辑删除 |

楼宇(building)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Field | Type | Length | Default | Index | Descrip |
| buildingID | Int | 11 |  | True | PK,AutoIncrete |
| buildingName | Varchar | 30 | String.empty | False | 楼宇名称 |
| buildAddress | Varchar | 255 | String.empty | False | 楼宇地址 |
| createTime | Timestamp | 32 | CURRENT\_TIMESTAMP | False | 创建时间 |
| isDelete | Int | 1 | 0 | False | 逻辑删除 |

楼宇公司(company)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Field | Type | Length | Default | Index | Descrip |
| companyID | Int | 11 |  | True | PK,AutoIncrete |
| buildingID | Int | 11 | 0 | true | FK |
| companyName | Varchar | 255 | String.empty | False | 公司名称 |
| companyTelephone | Varchar | 30 | String.empty | False | 公司电话 |
| companyUrl | Varchar | 255 | String.empty | False | 公司主页 |
| companyLogoUrl | Varchar | 255 | String.empty | False | 公司logo地址 |
| companyLocation | Varchar | 255 | String.empty | False | 公司具体地址 |
| createTime | Timestamp | 32 | CURRENT\_TIMESTAMP | False | 创建时间 |
| isDelete | Int | 1 | 0 | False | 逻辑删除 |