**数据库名：iDisk**

**表名：Dirtory**

目录(每个用户拥有一个主目录，每个目录可有多个子目录)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **序号** | **列名** | **数据类型** | **长度** | **小数位** | **标识** | **主键** | **允许空** | **默认值** | **说明** |
| 1 | DirId | int | 4 | 0 | 是 | 是 | 否 |  | 目录ID |
| 2 | ParentDirId | int | 4 | 0 |  |  | 是 |  | 上级目录ID |
| 3 | UId | int | 4 | 0 |  |  | 否 |  | 所属用户ID |
| 4 | DirName | varchar | 50 | 0 |  |  | 是 |  | 目录名称 |
| 5 | DirDesc | varchar | 100 | 0 |  |  | 是 |  | 目录描述 |

**表名：File**

上传的文件信息

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **序号** | **列名** | **数据类型** | **长度** | **小数位** | **标识** | **主键** | **允许空** | **默认值** | **说明** |
| 1 | FId | varchar | 130 | 0 |  | 是 | 否 |  | 文件ID |
| 2 | DirId | int | 4 | 0 |  |  | 是 |  | 所在目录ID |
| 3 | FName | varchar | 50 | 0 |  |  | 是 |  | 文件名称 |
| 4 | FDate | datetime | 8 | 3 |  |  | 是 |  | 上传日期 |
| 5 | FSize | int | 4 | 0 |  |  | 是 |  | 文件大小 |
| 6 | FVisibility | int | 4 | 0 |  |  | 是 |  | 文件的可见性（公开，私有，好友可见） |
| 7 | FUrl | varbinary | 200 | 0 |  |  | 是 |  | 文件的下载地址 |
| 8 | FDesc | varchar | 100 | 0 |  |  | 是 |  | 文件描述,小于100个字 |

**表名：FileServer**

文件服务器信息，每个主机代表一个文件服务节点，每个节点可设多个存储目录

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **序号** | **列名** | **数据类型** | **长度** | **小数位** | **标识** | **主键** | **允许空** | **默认值** | **说明** |
| 1 | FSHost | varchar | 100 | 0 |  | 是 | 否 |  | 文件服务器ip或主机名(如：222.27.255.59：555) |
| 2 | FSDirtory | varchar | 50 | 0 |  | 是 | 否 |  | 文件服务器上存储文件的目录名 |
| 3 | FSSize | bigint | 8 | 0 |  |  | 是 |  | 存储文件的空间大小 |
| 4 | FSValidSize | bigint | 8 | 0 |  |  | 是 |  | 可用空间 |

**表名：Friend**

好友记录

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **序号** | **列名** | **数据类型** | **长度** | **小数位** | **标识** | **主键** | **允许空** | **默认值** | **说明** |
| 1 | FrOwnerId | int | 4 | 0 |  | 是 | 否 |  | 好友拥有者ID |
| 2 | FrFriendId | int | 4 | 0 |  | 是 | 否 |  | 好友ID |

**表名：FriendTemp**

好友申请记录

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **序号** | **列名** | **数据类型** | **长度** | **小数位** | **标识** | **主键** | **允许空** | **默认值** | **说明** |
| 1 | SenderId | int | 4 | 0 |  | 是 | 否 |  | 发送者ID |
| 2 | Receiver | int | 4 | 0 |  | 是 | 否 |  | 接收者ID |
| 3 | Confirmed | bit | 1 | 0 |  |  | 是 |  | 处理标志(true为拒绝，false为等待确认) |
| 4 | Message | varchar | 50 | 0 |  |  | 是 |  | 备注信息 |

**表名：ShareInfo**

文件分享信息

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **序号** | **列名** | **数据类型** | **长度** | **小数位** | **标识** | **主键** | **允许空** | **默认值** | **说明** |
| 1 | SId | int | 4 | 0 | 是 | 是 | 否 |  |  |
| 2 | SSender | int | 4 | 0 |  |  | 是 |  | 分享信息发送者ID |
| 3 | SReceive | int | 4 | 0 |  |  | 是 |  | 分享信息接收者ID |
| 4 | SDate | datetime | 8 | 3 |  |  | 是 |  | 分享日期 |
| 5 | SFileId | int | 4 | 0 |  |  | 否 |  | 文件ID |

**表名：Tag**

文件标签，每个文件可有多个标签

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **序号** | **列名** | **数据类型** | **长度** | **小数位** | **标识** | **主键** | **允许空** | **默认值** | **说明** |
| 1 | TName | varchar | 20 | 0 |  | 是 | 否 |  | 标签名 |
| 2 | TUserId | int | 4 | 0 |  | 是 | 否 |  | 用户ID |
| 3 | TFileId | int | 4 | 0 |  | 是 | 否 |  | 文件ID |

**表名：User**

用户信息

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **序号** | **列名** | **数据类型** | **长度** | **小数位** | **标识** | **主键** | **允许空** | **默认值** | **说明** |
| 1 | UId | int | 4 | 0 | 是 | 是 | 否 |  | 用户ID |
| 2 | ULoginName | varchar | 20 | 0 |  |  | 否 |  | 登录名 |
| 3 | URealName | varchar | 20 | 0 |  |  | 是 |  | 真实名称 |
| 4 | UEmail | varchar | 50 | 0 |  |  | 是 |  | 邮箱 |
| 5 | UPassWord | varchar | 128 | 0 |  |  | 是 |  | 密码 |