|  |  |  |  |
| --- | --- | --- | --- |
| **表名** | user |  |  |
| **属性名** | **属性类型** | **属性约束** | **补充描述** |
| id | varchar(40) | primary key | 用户将邮箱作为id |
| password | varchar(40) | not null | 密码不小于6位 |

|  |  |  |  |
| --- | --- | --- | --- |
| **表名** | user\_inf | 保存用户信息，但不包括密码 |  |
| **属性名** | **属性类型** | **属性约束** | **补充描述** |
| id | varchar(40) | primary key  foreign key |  |
| name | varchar(40) |  |  |
|  |  |  |  |

**方案一：**

|  |  |  |  |
| --- | --- | --- | --- |
| **表名** | %id%\_friend | 每个用户拥有一个独立的friend表 |  |
| **属性名** | **属性类型** | **属性约束** | **补充描述** |
| friend\_id | varchar(40) | foreign key |  |
| friend\_nick | varchar(40) |  | 用户对好友的备注 |

|  |  |  |  |
| --- | --- | --- | --- |
| **表名** | %id%\_record | 每个用户拥有独立的聊天记录表 |  |
| **属性名** | **属性类型** | **属性约束** | **补充描述** |
| record\_id | int | auto\_increment  primary key |  |
| room\_name | varchar(50) |  | 聊天室名称，不唯一 |
| create\_time | datetime | not null | 用户进入聊天室的时刻 |
| end\_time | datetime | not null | 用户离开聊天室的时刻 |
| record | longtext | not null | 保存聊天记录 |

**方案二：**

|  |  |  |  |
| --- | --- | --- | --- |
| **表名** | friend |  |  |
| **属性名** | **属性类型** | **属性约束** | **补充描述** |
| user\_id | varchar(40) | foregin key  primary key |  |
| friend\_list | mediumtext |  | 以JSON文本的形式保存了一整个好友列表 |

|  |  |  |  |
| --- | --- | --- | --- |
| **表名** | char\_record |  |  |
| **属性名** | **属性类型** | **属性约束** | **补充描述** |
| user\_id | varchar(40) | foregin key  primary key | 和创建时间作为联合主键 |
| create\_time | datetime | primary key |  |
| room\_name | varchar(50) |  |  |
| end\_time | datetime | not null |  |
| record | longtext | not null |  |