

1. 创建user表

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| **字段说明** | 字段名称 | **类型** | **约束** |
| **用户id** | **u\_id** | **char(8)** | **主键** |
| **用户名** | **u\_name** | **char(20)** | **非空** |
| **密码** | **u\_password** | **Char(20)** | **非空** |
| **密保问题** | **u\_secQuestions** | **Char(100)** |  |
| **密保答案** | **u\_secAnswer** | **Char(100)** |  |
| **生日日期** | **u\_birthday** | **Smalldatetime** |  |
| **居住地** | **u\_address** | **Char(50)** |  |
| **性别** | **u\_sex** | **char(2)** |  |
| **头像** | **u\_picture** | **image** |  |
| **封禁时间** | **u\_time** | **Smalldatetime** |  |

1. **创建好友关系（friend-relation）表**

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| **字段说明** | **字段名称** | **类型** | **约束** |
| **用户id** | **u\_id** | **char(8)** | **主键** |
| **好友id** | **f\_id** | **char(8)** | **主键** |
| **成为好友时间** | **Time** | **Smalldatetime** | **非空** |
| **解除好友时间** | **unfriend\_time** | **Smalldatetime** |  |

1. **创建群组（group）表**

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| **字段说明** | **字段名称** | **类型** | **约束** |
| **群id** | **g\_id** | **char(8)** | **主键** |
| **群名** | **g\_name** | **char(20)** | **非空** |
| **群主id** | **u\_id** | **char(8)** |  |
| **创建时间** | **start\_time** | **Smalldatetime** |  |
| **上限人数** | **Max** | **char(8)** |  |
| **封禁时间** | **time** | **Smalldatetime** |  |

1. **创建群成员（group-member）表**

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| **字段说明** | **字段名称** | **类型** | **约束** |
| **群id** | **g\_id** | **char(8)** | **主键** |
| **群成员id** | **u\_id** | **char(8)** | **主键** |
| **入群时间** | **time** | **Smalldatetime** |  |
| **退出群时间** | **ungroup\_time** | **Smalldatetime** |  |

1. **管理员表（admin）**

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| **字段说明** | **字段名称** | **类型** | **约束** |
| **管理员id** | **adm\_id** | **char(8)** | **主键** |
| **密码** | **adm\_password** | **Char(20)** | **非空** |