CREATE TABLE `usertable` (

`UNo` varchar(20) NOT NULL,

`UEmail` varchar(30) NOT NULL,

`UName` varchar(30) NOT NULL,

`UPsw` varchar(20) NOT NULL,

PRIMARY KEY (`UNo`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

CREATE TABLE `grouptable` (

`GNo` int(11) unsigned zerofill NOT NULL AUTO\_INCREMENT,

`GName` varchar(30) NOT NULL,

`BuildDate` datetime NOT NULL,

PRIMARY KEY (`GNo`)

) ENGINE=InnoDB AUTO\_INCREMENT=25 DEFAULT CHARSET=utf8;

CREATE TABLE `friends` (

`UFNo` int(11) NOT NULL AUTO\_INCREMENT,

`UNo` varchar(20) NOT NULL,

`FNo` varchar(20) NOT NULL,

`State` varchar(15) NOT NULL,

`isChatting` varchar(20) NOT NULL DEFAULT '',

`unRead` int(11) DEFAULT '0',

PRIMARY KEY (`UFNo`),

KEY `friends\_ibfk\_1` (`UNo`),

KEY `friends\_ibfk\_2` (`FNo`),

CONSTRAINT `friends\_ibfk\_1` FOREIGN KEY (`UNo`) REFERENCES `usertable` (`UNo`),

CONSTRAINT `friends\_ibfk\_2` FOREIGN KEY (`FNo`) REFERENCES `usertable` (`UNo`)

) ENGINE=InnoDB AUTO\_INCREMENT=60 DEFAULT CHARSET=utf8;

CREATE TABLE `groupmembers` (

`GMNo` int(11) NOT NULL AUTO\_INCREMENT,

`GNo` int(11) unsigned zerofill NOT NULL,

`UNo` varchar(20) NOT NULL,

`State` varchar(15) NOT NULL,

`isChatting` varchar(20) NOT NULL,

`unRead` int(11) NOT NULL DEFAULT '0',

PRIMARY KEY (`GMNo`),

KEY `UNo` (`UNo`),

KEY `GNo` (`GNo`) USING BTREE,

CONSTRAINT `groupmembers\_ibfk\_1` FOREIGN KEY (`GNo`) REFERENCES `grouptable` (`GNo`),

CONSTRAINT `groupmembers\_ibfk\_2` FOREIGN KEY (`UNo`) REFERENCES `usertable` (`UNo`)

) ENGINE=InnoDB AUTO\_INCREMENT=22 DEFAULT CHARSET=utf8;

CREATE TABLE `fmessage` (

`FMNo` int(11) NOT NULL AUTO\_INCREMENT,

`FromNo` varchar(20) NOT NULL,

`ToNo` varchar(20) NOT NULL,

`DateTime` datetime NOT NULL,

`Message` varchar(500) NOT NULL,

PRIMARY KEY (`FMNo`),

KEY `fmessage\_ibfk\_1` (`FromNo`),

KEY `fmessage\_ibfk\_2` (`ToNo`),

CONSTRAINT `fmessage\_ibfk\_1` FOREIGN KEY (`FromNo`) REFERENCES `usertable` (`UNo`),

CONSTRAINT `fmessage\_ibfk\_2` FOREIGN KEY (`ToNo`) REFERENCES `usertable` (`UNo`)

) ENGINE=InnoDB AUTO\_INCREMENT=159 DEFAULT CHARSET=utf8;

CREATE TABLE `gmessage` (

`GMSNo` int(11) NOT NULL AUTO\_INCREMENT,

`GNo` int(11) unsigned zerofill NOT NULL,

`FromNo` varchar(20) NOT NULL,

`DateTime` datetime NOT NULL,

`Message` varchar(500) NOT NULL,

PRIMARY KEY (`GMSNo`),

KEY `GNo` (`GNo`),

CONSTRAINT `gmessage\_ibfk\_1` FOREIGN KEY (`GNo`) REFERENCES `grouptable` (`GNo`)

) ENGINE=InnoDB AUTO\_INCREMENT=75 DEFAULT CHARSET=utf8;

表3-1 用户信息表结构

|  |  |  |  |
| --- | --- | --- | --- |
| **字段名称** | **字段类型** | **允许空** | **说明** |
| **UNo** | **Varchar** | **No** | **ID号，用户自定义** |
| **UName** | **Varchar** | **No** | **昵称** |
| **UEmail** | **Varchar** | **No** | **邮箱** |
| **UPsw** | **Varchar** | **No** | **密码** |

表3-2 群信息表结构

|  |  |  |  |
| --- | --- | --- | --- |
| **字段名称** | **字段类型** | **允许空** | **说明** |
| **GNo** | **Int** | **No** | **自增的群号** |
| **GName** | **Varchar** | **No** | **群名称** |
| **BuildDate** | **Datetime** | **No** | **创建日期** |

表3-3 好友消息表结构

|  |  |  |  |
| --- | --- | --- | --- |
| **字段名称** | **字段类型** | **允许空** | **说明** |
| **FMNo** | **Int** | **No** | **自增编号** |
| **FromNo** | **Varchar** | **No** | **发送方的用户编号** |
| **ToNo** | **Varchar** | **No** | **接收方的用户编号** |
| **DateTime** | **Datetime** | **No** | **发送时间** |
| **Message** | **Varchar** | **No** | **消息内容** |

表3-4 群消息表结构

|  |  |  |  |
| --- | --- | --- | --- |
| **字段名称** | **字段类型** | **允许空** | **说明** |
| **GMSNo** | **Int** | **No** | **自增的消息编号** |
| **GNo** | **Int** | **No** | **所属群** |
| **FromNo** | **Varchar** | **No** | **发送者的ID** |
| **DateTime** | **Datetime** | **No** | **发送时间** |
| **Message** | **Varchar** | **No** | **消息内容** |

表3-5 好友表结构

|  |  |  |  |
| --- | --- | --- | --- |
| **字段名称** | **字段类型** | **允许空** | **说明** |
| **UFNo** | **Int** | **No** | **自增的唯一标识** |
| **Uno** | **Varchar** | **No** | **用户编号** |
| **FNo** | **Varchar** | **No** | **好友编号** |
| **State** | **Varchar** | **No** | **关系（申请、已添加、已删除等）** |
| **isChatting** | **Varchar** | **No** | **是否正在会话** |
| **unRead** | **Int** | **No** | **未读消息数量** |

表3-6 群成员表结构

|  |  |  |  |
| --- | --- | --- | --- |
| **字段名称** | **字段类型** | **允许空** | **说明** |
| **GMNo** | **Int** | **No** | **自增的唯一标识** |
| **GNo** | **Int** | **No** | **群号** |
| **UNo** | **Varchar** | **No** | **用户编号** |
| **State** | **Varchar** | **No** | **关系** |
| **isChatting** | **Varchar** | **No** | **是否正在会话** |
| **unRead** | **Int** | **No** | **未读消息数量** |

