

```
CREATE TABLE Human(huid serial primary key,first_name varchar(20),  
last_name varchar(20),birthdate varchar(10),huemail varchar(50),  
hupassword varchar(50),phone_number char(10));
```

```
CREATE TABLE Users(uid serial primary key,human_id integer references Human(huid),  
user_name varchar(20),ucreation_date varchar(10),umost_recent_login varchar(10),  
profile_pic varchar(50));
```

```
CREATE TABLE Group Chats(gid serial primary key,gname varchar(20),  
gcreation_date varchar(10),gpicture_id_path varchar(20),  
huid integer references Human(huid));
```

```
CREATE TABLE IsMember(uid integer references Users(uid),  
gid integer references Groups(gid),primary key(uid,gid));
```

```
CREATE TABLE Messages(mid serial primary key,uid integer references Users(uid),  
mupload_date varchar(10),msize integer,mmessage varchar(100), mmedia_path varchar(50),  
mlength integer,mtype varchar(50));
```

```
CREATE TABLE Hashtags(hid serial primary key,hhashtag varchar(50));
```

```
CREATE TABLE Contains(cid serial primary key,mid integer references Messages(mid),  
hid integer references Hashtags(hid), rpid integer references Replies(rpid));
```

```
CREATE TABLE Posted To(mid integer references Messages(mid), gid integer references  
GroupChats(gid), primary key(mid,gid));
```

```
CREATE TABLE Replies(rpid serial primary key,rpupload_date varchar(10),  
rpreply varchar(100),mid integer references Messages(mid),uid integer
```

```
references Users(uid));
```

```
CREATE TABLE Reactions(rid serial primary key,upload_date varchar(10),  
rtype boolean,mid integer references Messages(mid),  
rpid integer references Replies(rpid),uid integer references Users(uid));
```

```
CREATE TABLE Friends(fuid integer references Users(uid),  
uid integer references Users(uid), primary key(uid,fuid));
```