ER Mapping

Create Table User(uid serial primary key, ufirst\_name varchar(20), ulast\_name varchar(20), phone varchar(10), udescription varchar(100));

Create Table Credentials(cid serial primary key, cpassword varchar(20), cusername varchar(20), cemail varchar(20), uid integer references User(uid));

Create Table Group(gid serial primary key, gname varchar(20), gdescription varchar(100), gdcreation timestamp, uid integer references User(uid));

Create Table Participates(uid integer references User(uid), gid integer references Group(gid), primary key(uid,gid));

Create Table Administrate(uid integer references User(uid), gid integer references Group(gid), primary key(uid,gid));

Create Table Message(mid serial primary key, mdate timestamp, minfo varchar(500), uid integer references User(uid));

Create Table Reply(mid integer references Message(mid), rid integer references Message(mid), primary key(mid,rid));

Create Table Receive(mid integer referencer Message(mid), uid integer references User(uid), primary key(uid,mid));

Create Table Reaction(mid integer referencer Message(mid), uid integer references User(uid), Rating varchar(20),primary key(uid,mid));

Create Table IsPart(mid integer references Message(mid), gid integer references Group(gid), primary key(gid,mid));

Create Table Media(meid serial primary key, mename varchar(20), meaddress varchar(100), mid integer references Message(mid));

Create Table Type(meid integer references Media(meid), type varchar(10), primary key(meid,type));