CREATE TABLE Person(

username VARCHAR(20),

password CHAR(64),

firstName VARCHAR(20),

lastName VARCHAR(20),

bio VARCHAR(1000),

PRIMARY KEY (username)

);

CREATE TABLE Friendgroup(

groupOwner VARCHAR(20),

groupName VARCHAR(20),

description VARCHAR(1000),

PRIMARY KEY (groupOwner, groupName),

FOREIGN KEY (groupOwner) REFERENCES Person(username)

);

CREATE TABLE Photo (

photoID int AUTO\_INCREMENT,

postingdate DATETIME,

filepath VARCHAR(100),

allFollowers Boolean,

caption VARCHAR(100),

photoPoster VARCHAR(20),

PRIMARY KEY (photoID),

FOREIGN KEY(photoPoster) REFERENCES Person(username)

);

CREATE TABLE Likes (

username VARCHAR(20),

photoID int,

liketime DATETIME,

rating int,

PRIMARY KEY(username, photoID),

FOREIGN KEY(username) REFERENCES Person(username),

FOREIGN KEY(photoID) REFERENCES Photo(photoID)

);

CREATE TABLE Tagged (

username VARCHAR(20),

photoID int,

tagstatus Boolean,

PRIMARY KEY(username, photoID),

FOREIGN KEY(username) REFERENCES Person(username),

FOREIGN KEY(photoID)REFERENCES Photo(photoID)

);

CREATE TABLE SharedWith (

groupOwner VARCHAR(20),

groupName VARCHAR(20),

photoID int,

PRIMARY KEY(groupOwner, groupName, photoID),

FOREIGN KEY(groupOwner, groupName) REFERENCES Friendgroup(groupOwner, groupName),

FOREIGN KEY (photoID) REFERENCES Photo(photoID)

);

CREATE TABLE BelongTo (

member\_username VARCHAR(20),

owner\_username VARCHAR(20),

groupName VARCHAR(20),

PRIMARY KEY(member\_username, owner\_username, groupName),

FOREIGN KEY(member\_username) REFERENCES Person(username),

FOREIGN KEY(owner\_username, groupName)REFERENCES Friendgroup(groupOwner, groupName)

);

CREATE TABLE Follow (

username\_followed VARCHAR(20),

username\_follower VARCHAR(20),

followstatus Boolean,

PRIMARY KEY(username\_followed , username\_follower),

FOREIGN KEY(username\_followed) REFERENCES Person(username),

FOREIGN KEY(username\_follower) REFERENCES Person(username)

);