



```
CREATE TABLE Person(  
  Username VARCHAR(20) PRIMARY KEY,  
  Password VARCHAR(20),  
  fname VARCHAR(20),  
  lname VARCHAR(20),  
  BioMessage VARCHAR(50),  
);  
CREATE TABLE Photo(  
  ID INT PRIMARY KEY,  
  PostingDate DATETIME,  
  FilePath VARCHAR(20),  
  allFollowers INT,  
  Caption VARCHAR(50),  
  Username VARCHAR(20),  
  FOREIGN KEY(Username) REFERECES Person(Username)  
);  
CREATE TABLE FriendGroup(  
  GroupName VARCHAR(20),  
  OwnedByUsername VARCHAR(20),  
  BelongToUsername VARCHAR(20),  
  Description VARCHAR(50),  
  PRIMARY KEY(GroupName, OwnedByUsername, BelongToUsername),  
  FOREIGN KEY(OwnedByUsername) REFERENCES Person(Username),  
  FOREIGN KEY(BelongToUsername) REFERENCES Person(Username),  
);  
CREATE TABLE Follow(  
  FirstUsername VARCHAR(20),  
  SecondUsername VARCHAR(20),  
  FollowStatus VARCHAR(20),  
  PRIMARY KEY(FirstUsername, SecondUsername),  
  FOREIGN KEY(FirstUsername) REFERENCES Person(Username),  
  FOREIGN KEY(SecondUsername) REFERENCES Person(Username),  
);  
CREATE TABLE Like(  
  Username VARCHAR(20),  
  ID INT,  
  LikeTime DATETIME,  
  rating INT,  
  PRIMARY KEY(Username, ID),  
  FOREIGN KEY(Username) REFERENCES Person(Username),  
  FOREIGN KEY(ID) REFERENCES Photo(ID),  
);  
CREATE TABLE Tagged(  
  Username VARCHAR(20),  
  ID INT,  
  TagStatus VARCHAR(20),  
  PRIMARY KEY(Username, ID),  
  FOREIGN KEY(Username) REFERENCES Person(Username),  
  FOREIGN KEY(ID) REFERENCES Photo(ID),  
);  
CREATE TABLE SharedWith(  
  GroupName VARCHAR(20),  
  ID INT,  
  PRIMARY KEY(GroupName, ID),  
  FOREIGN KEY(GroupName) REFERENCES FriendGroup(GroupName),  
  FOREIGN KEY(ID) REFERENCES Photo(ID),  
);
```