CS460 - PA1 Part2

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Final schema:

```
drop database if exists photo_sharing_website;
create database if not exists photo sharing website;
use photo_sharing_website;
create table if not exists users(
    user_id varchar(255) not null primary key,
    first_name varchar(255) not null,
    last name varchar(255) not null,
    email varchar(255) not null,
    date of birth date not null,
    hometown varchar(255) not null,
    gender varchar(255) not null,
    user password varchar(255) not null,
    score int not null);
create table if not exists friends(
   user1 varchar(255) not null,
    user2 varchar(255) not null,
    accepted boolean not null);
create table if not exists albums(
    album id int not null primary key auto increment,
    owner_id varchar(255) not null,
    album name varchar(255) not null,
    date of creation date not null);
create table if not exists photos(
    photo_id int not null auto_increment primary key,
    album id int not null,
    caption varchar(255),
    photo longtext not null,
    score int not null);
create table if not exists tags(
    photo described int not null,
    word varchar(255));
create table if not exists comments(
    comment id int not null auto increment primary key,
```

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comment text varchar(255) not null,
    owner id varchar(255) not null,
    photo id int not null,
    date posted date not null);
create table if not exists likes(
    liker id varchar(255),
    liked id varchar(255),
    liked photo id int,
    primary key(liker_id, liked_photo_id),
    album id int
);
alter table friends add foreign key (user1) references users(user_id) on delete
cascade;
alter table friends add foreign key (user2) references users(user_id) on delete
cascade:
alter table albums add foreign key (owner id) references users(user id) on delete
alter table photos add foreign key (album id) references albums(album id) on
delete cascade;
alter table tags add foreign key (photo_described) references photos(photo_id) on
delete cascade:
alter table comments add foreign key (owner_id) references users(user_id) on
delete cascade:
alter table comments add foreign key (photo_id) references photos(photo_id) on
delete cascade;
alter table likes add foreign key (liker id) references users(user id) on delete
cascade:
alter table likes add foreign key (liked id) references users(user id) on delete
cascade;
alter table likes add foreign key (liked photo id) references photos(photo id) on
delete cascade;
alter table likes add foreign key (album id) references albums(album id) on
delete cascade:
insert into users(user_id, first_name, last_name, email, date_of_birth, hometown,
gender, user_password) values ("guest", "guest", "guest", "guest@guest.guest",
"2000-1-01" , "guest", "guest", "guest");
```

Additional assumptions and constraints:

- 1- "guest" is a special account for non-logged in users.
- 2- Shouldn't use 'or "in captions, comments, names... (any text field). Will cause mysgl to show an error.
- 3- You can only add tags before uploading a photo
- 4- Unlimited number of tags per photo
- 5- Can only use one tag to search for a photo. Can't use multiple tags at once.
- 6- Photos are deleted when albums are deleted
- 7- Comments, tags, and likes are deleted when the associated photo is deleted
- 8- Albums, comments, and likes are deleted when an associated user is deleted. However, account deletion is not implemented.