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DROP DATABASE photoshare;
CREATE DATABASE IF NOT EXISTS photoshare;
USE photoshare;

CREATE TABLE Users (
  user_id int4 AUTO_INCREMENT,
  firstname varchar(255) DEFAULT "Winni",
  lastname varchar(255) DEFAULT "Yao",
  DOB date NOT NULL,
  gender enum ('female', 'male'),
  hometown varchar(255),
  email varchar(255) UNIQUE NOT NULL,
  password varchar(255) NOT NULL,
  constraint users_pk PRIMARY KEY (user_id)
);

CREATE TABLE Albums
(
  album_id int4 auto_increment,
  title varchar(255),
  date_created DATE,
  user_id int4,
  constraint albums_pk primary key (album_id),
  constraint albums_fk foreign key (user_id) references Users(user_id) ON DELETE
  CASCADE
);

CREATE TABLE Pictures
(
  picture_id int4 AUTO_INCREMENT,
  user_id int4,
  imgdata longblob,
  caption VARCHAR(255),
  INDEX upid_idx (user_id),
  album int4,
  constraint pictures_pk primary key (picture_id),
  constraint pictures_fk foreign key (album) references Albums(album_id) ON DELETE
  CASCADE,
  constraint user_fk foreign key (user_id) references Users(user_id) ON DELETE
  CASCADE
);

CREATE TABLE Friends
(
  user_id int4,
  friend_id int4,
  constraint friends_fk1 foreign key (user_id) references Users(user_id) ON DELETE
  CASCADE,
  constraint friends_fk2 foreign key (friend_id) references Users(user_id) ON DELETE
  CASCADE
);

CREATE TABLE Tags
(
  singleword varchar(55),
  picture_id int4,
  constraint tags_fk foreign key(picture_id) references Pictures(picture_id)
);

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CREATE TABLE Comments
(
    comment_id int4 auto_increment,
    comment_text text,
    user_id int4,
    date_created DATE,
    picture_id int4,
    constraint comments_pk primary key (comment_id),
    constraint comments_fk1 foreign key (user_id) references Users(user_id),
    constraint comments_fk2 foreign key (picture_id) references Pictures(picture_id)
ON DELETE CASCADE
);

CREATE TABLE Likes
(
    picture_id int4,
    user_id int4,
    constraint likes_fk foreign key (picture_id) references Pictures(picture_id) ON
DELETE CASCADE,
    constraint likes_user_id_fk foreign key (user_id) references Users(user_id)
);

INSERT INTO Users (user_id, email, password, firstName, lastName, hometown, gender,
DOB) VALUES (1, 'test1@bu.edu', 'test', 'Winnie', 'Yoh', 'Allston', 'female',
'1999-09-25');
INSERT INTO Users (email, password, firstName, lastName, hometown, gender, DOB)
VALUES ('test2@bu.edu', 'test', 'Jon', 'Aracena', 'Allston', 'male', '1999-04-29');

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I was not able to do a chunk of the programming assignment largely due to my procrastination and mental health. Nonetheless, I still had fun doing it even though I severely rushed myself.

I did not get to implement a variety of cases such as viewing the user's photos by tag name, I only implemented all photos by tag name. I was not able to view the most popular tags and was not able to do a photo search.

I also did not implement a friendlist nor was I able to finish any of the recommendation cases.

I am sure I definitely could have consolidated a lot so I didn't have as many html files or functions that were super specific