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PA1 Project Design Final Report

Assumptions:
Text of a tag must be
unique, no tag id req.
An anonymous commenter
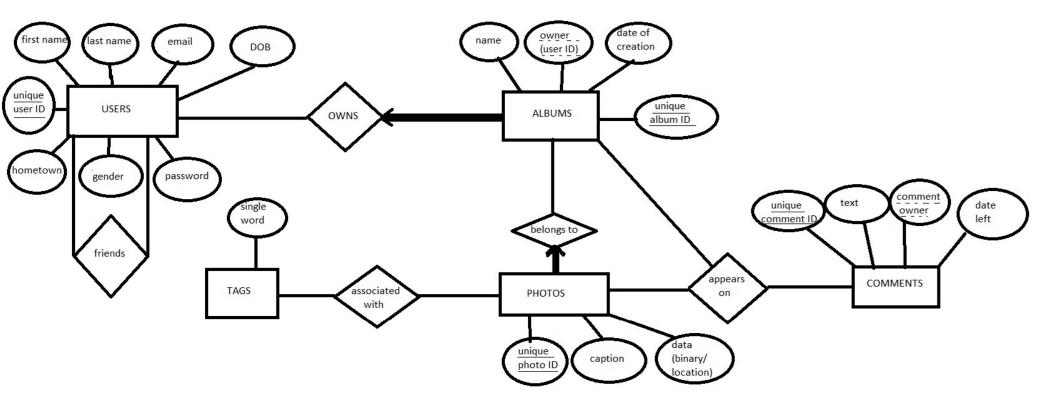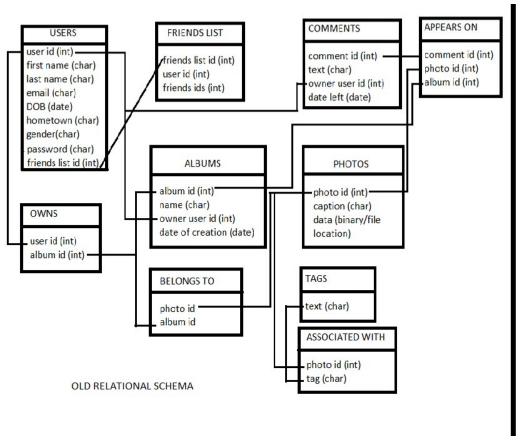gets an owner id of 0

Participation contraints:
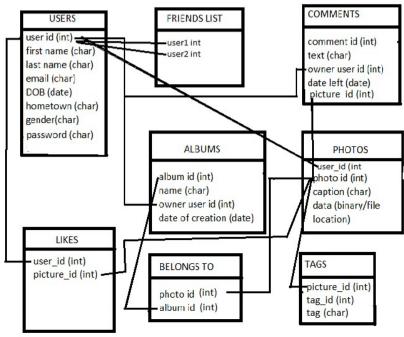- a photo MUST have an
album
- an album MUST have a
user

Key constraints:
- an album can have
many photos
- a user can have many
albums

OLD RELATIONAL SCHEMA

USERS
- user id (int)
- first name (char)
- last name (char)
- email (char)
- DOB (date)
- hometown (char)
- gender(char)
- password (char)
- friends list id (int)

FRIENDS LIST
- friends list id (int)
- user id (int)
- friends ids (int)

COMMENTS
- comment id (int)
- text (char)
- owner user id (int)
- date left (date)

APPEARS ON
- comment id (int)
- photo id (int)
- album id (int)

OWNS
- user id (int)
- album id (int)

ALBUMS
- album id (int)
- name (char)
- owner user id (int)
- date of creation (date)

PHOTOS
- photo id (int)
- caption (char)
- data (binary/file location)

BELONGS TO
- photo id
- album id

TAGS
- text (char)

ASSOCIATED WITH
- photo id (int)
- tag (char)

NEW RELATIONAL SCHEMA

USERS
- user id (int)
- first name (char)
- last name (char)
- email (char)
- DOB (date)
- hometown (char)
- gender(char)
- password (char)

FRIENDS LIST
- user1 int
- user2 int

COMMENTS
- comment id (int)
- text (char)
- owner user id (int)
- date left (date)
- picture id (int)

ALBUMS
- album id (int)
- name (char)
- owner user id (int)
- date of creation (date)

PHOTOS
- user_id (int
- photo id (int)
- caption (char)
- data (binary/file location)

LIKES
- user_id (int)
- picture_id (int)

BELONGS TO
- photo id (int)
- album id (int)

TAGS
- picture_id (int)
- tag_id (int)
- tag (char)