Team Members
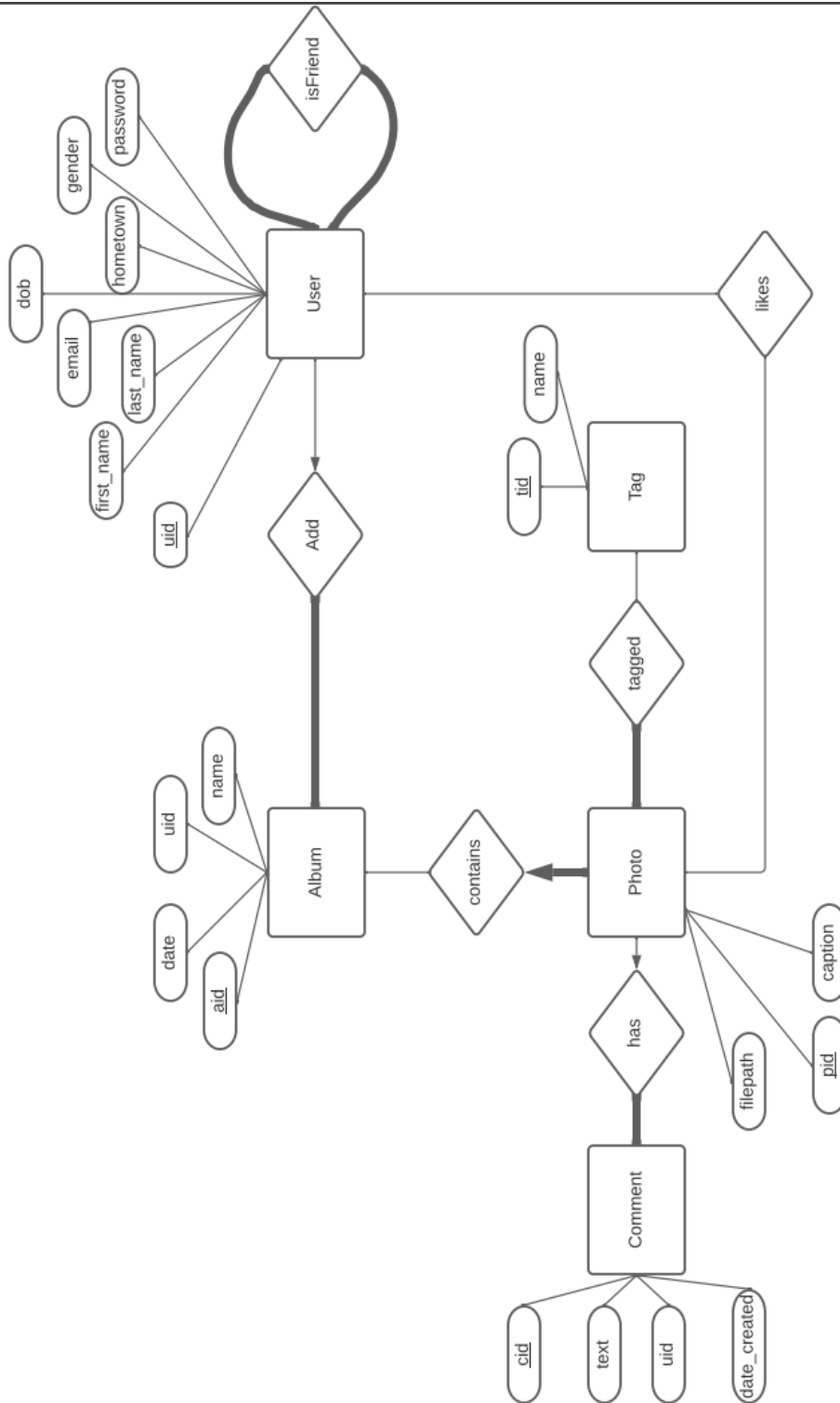
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ER Diagram

Relational Schema

```
DROP DATABASE
IF EXISTS
socialnetwork;
                CREATE DATABASE socialnetwork;
                USE socialnetwork;

                CREATE TABLE user(
                   uid VARCHAR(50),
                   first_name VARCHAR(50),
                   last_name VARCHAR(50),
                   email VARCHAR(50),
                   dob DATE,
                   hometown VARCHAR(50),
                   gender VARCHAR(10),
                   pw VARCHAR(50),
                   PRIMARY KEY (uid)
                );

                CREATE TABLE friend(
                   uid1 VARCHAR(50),
                   uid2 VARCHAR(50),
                   PRIMARY KEY (uid1,uid2),
                   CONSTRAINT friend_fk FOREIGN KEY (uid1) REFERENCES user(uid),
                   CONSTRAINT friend_fk2 FOREIGN KEY (uid2) REFERENCES user(uid)
                );

                CREATE TABLE album(
                   id VARCHAR(50),
                   name VARCHAR(50),
                   owner_uid VARCHAR(50),
                   date_created DATE,
                   PRIMARY KEY (id),
                   CONSTRAINT album_fk FOREIGN KEY (owner_uid) REFERENCES user(uid)
                );

                CREATE TABLE photo(
                   pid VARCHAR(50),
                   caption CHAR,
                   filepath CHAR,
                   PRIMARY KEY (pid)
                );

                CREATE TABLE comment(
                   id VARCHAR(50),
                   text CHAR,
```

```
    date_created DATE,
    pid VARCHAR(50),
    PRIMARY KEY (id),
    CONSTRAINT comment_fk FOREIGN KEY (pid) REFERENCES photo(pid)
);

CREATE TABLE tag(
    tid VARCHAR(50),
    name VARCHAR(50),
    PRIMARY KEY (tid)
);

CREATE TABLE tagged(
    tid VARCHAR(50),
    pid VARCHAR(50),
    PRIMARY KEY (tid,pid),
    CONSTRAINT tagged_fk FOREIGN KEY (tid) REFERENCES tag(tid),
    CONSTRAINT tagged_fk2 FOREIGN KEY (pid) REFERENCES photo(pid)
);

CREATE TABLE likes(
    uid VARCHAR(50),
    pid VARCHAR(50),
    PRIMARY KEY (uid,pid),
    CONSTRAINT likes_fk FOREIGN KEY (uid) REFERENCES user(uid),
    CONSTRAINT likes_fk2 FOREIGN KEY (pid) REFERENCES photo(pid)
);
```