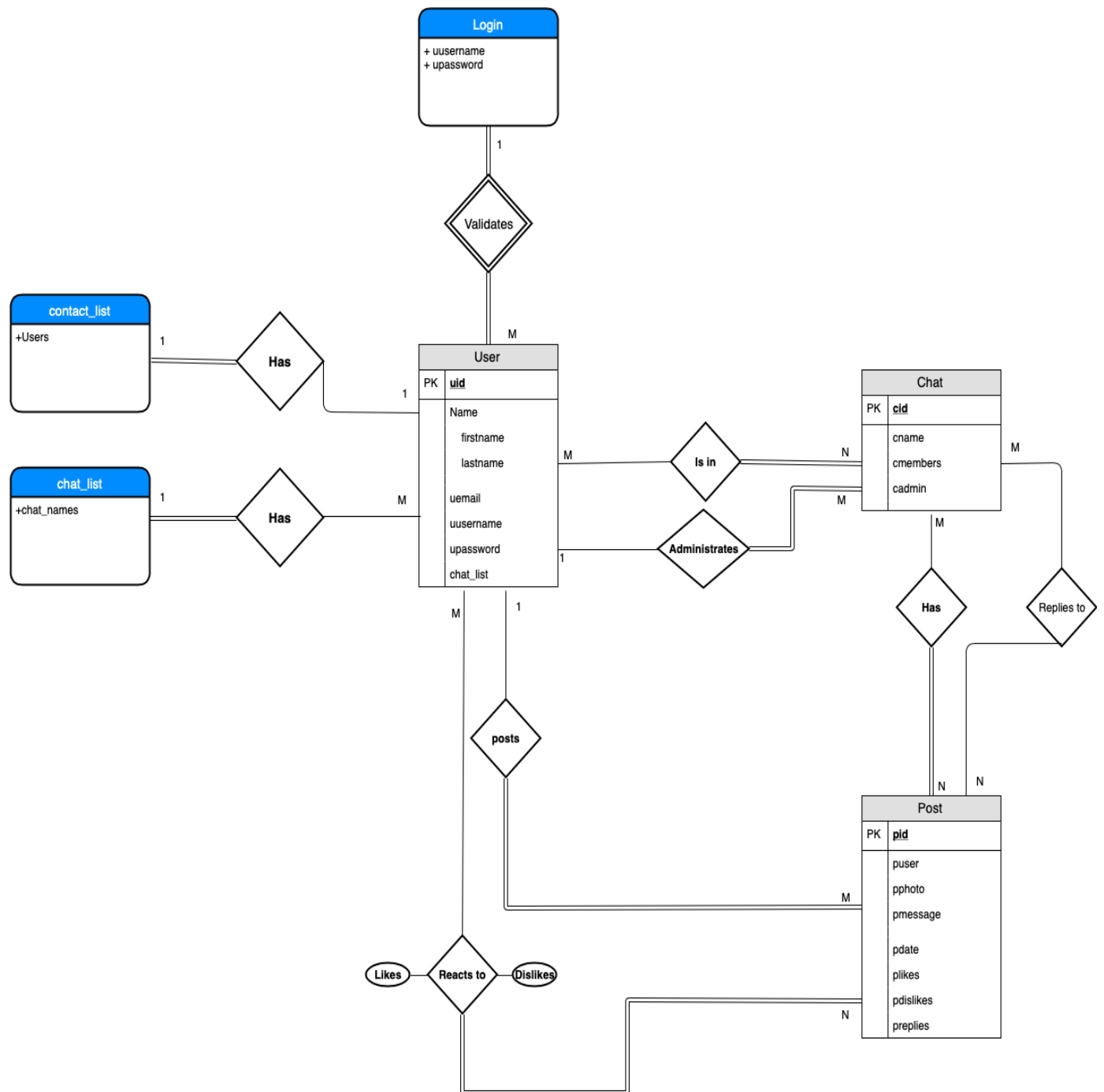




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# **Photo-Messaging-App**

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\*Not final version, still under changes.

# Entity – Relationship and Schema

## A. Entities

### a) **Users** - users in Photo-Messaging-App

1. Uid: serial Primary Key
2. Firstname: varchar(20)
3. Lastname: varchar(20)
4. Uemail: varchar(20)
5. Username:varchar(20)
6. Upassword:varchar(20)
7. Chat\_list:varchar(20)

### b) **Chat** – contains information related to a chat group

1. cid: serial primary key
2. cmembers: varchar(20)
3. cadmin:varchar(20)

### c) **Post** – messages sent on chats

1. Pid:serial primary key
2. Pphoto:varchar(20)
3. Pmessage:varchar(20)
4. Pdate: varchar(20)
5. Plikes – int
6. Pdislikes – int
7. Preplies:varchar(50)

## B. Relationships:

1. User mapped to contact\_list and chat\_list. A user has only one contact\_list and a contact\_list has only one user. Also, we can see that a user can has one chat\_list but chat\_list can have multiple users.
2. User mapped to Chat. A user can be in many chats and chats can have many users. Also, a chat can be administrated by one user but a user can administrate many chats.
3. User mapped to Login. A login can validate many users but a user only has one login.
4. User mapped to Post. A user can post many posts and a posted can be posted by many users. Also, a user reacts to a post, which has attributes like dislike and likes
5. Chat mapped to Post. A chat can have multiple post and a post and be in multiple chats. Also a chat replies to many posts and can be replied by many chats.