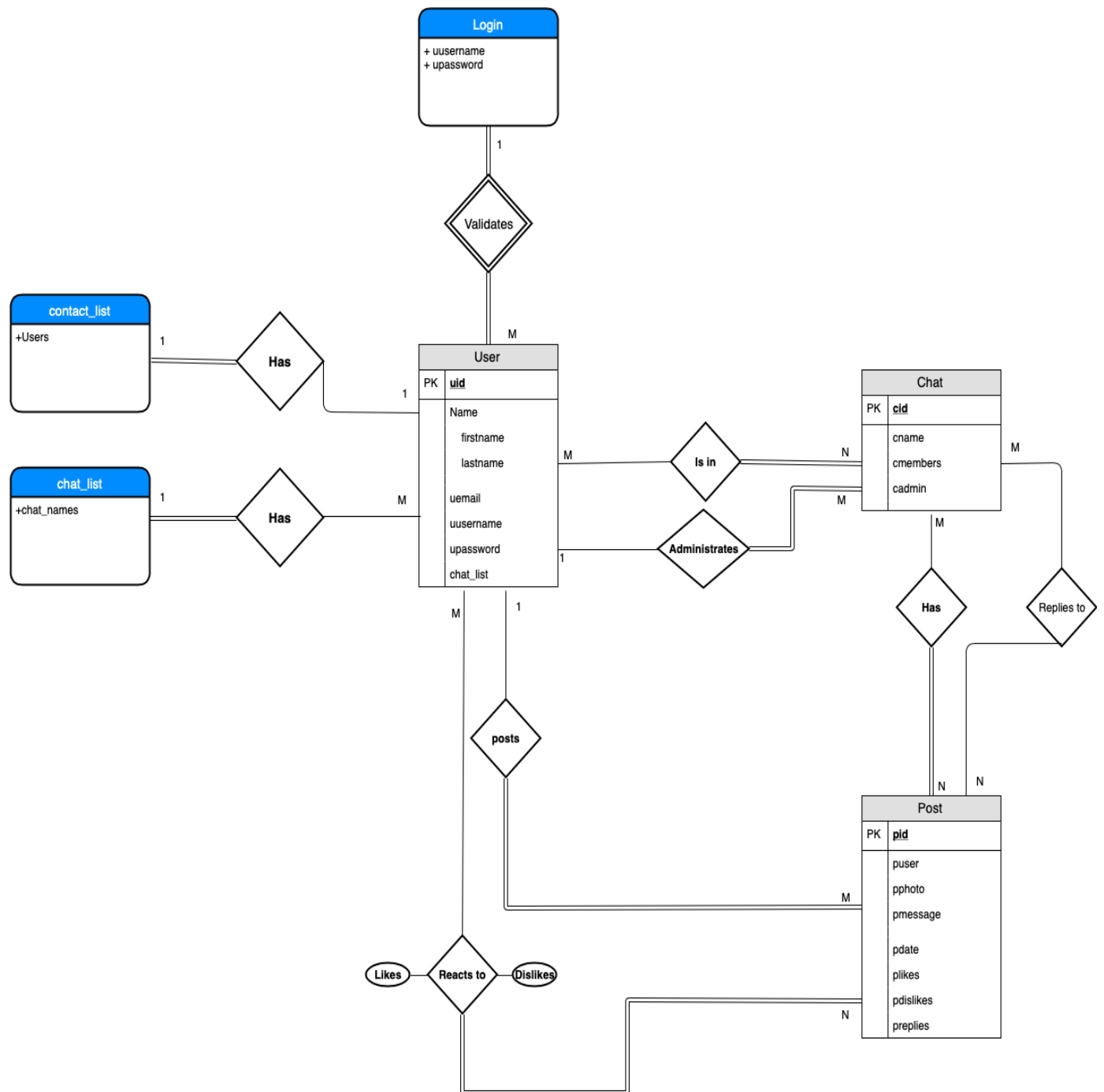




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Photo-Messaging-App

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*Not final version, still under changes.

Entity – Relationship and Schema

A. Entities and Relationships

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)
- **Chat_list** and **Contact_list** are both related to a user because we know a user has access to both his/her contact list and chat list.
 - **Login** has a relationship with a user because we know our login algorithm validates that a user is in our database.
 - **Chat** has a relationship with User because the main method of communication and main purpose of the application is to communicate via chats with other users.
 - **Post** are posted by users. We know that a relationship between this two is needed. A user is going to be posting multiple posts throughout time. A user also can react(like or dislike) to a post.

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

1. cid: serial primary key
 2. cmembers: varchar(20)
 3. cadmin:varchar(20)
- **Post** – Our ER diagram represents a relationship between a Chat and a Post because a chat has multiple posts inside of it.

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)