Actors and use cases

Actor: User (Registered, unregistered and premium)

Use cases:

- User Registration
- User Login
- Search for Other Users
- Start a Conversation
- Send Message
- Add User to Contacts
- Highlight a Message in a Reply
- View Online Status and Last Seen (for Premium Users)

Actor: Database

Use cases:

Store User Information

Store Conversations and Messages

Manage User Contacts

Manage User Subscriptions

Logging User Activity

Handle User Searches

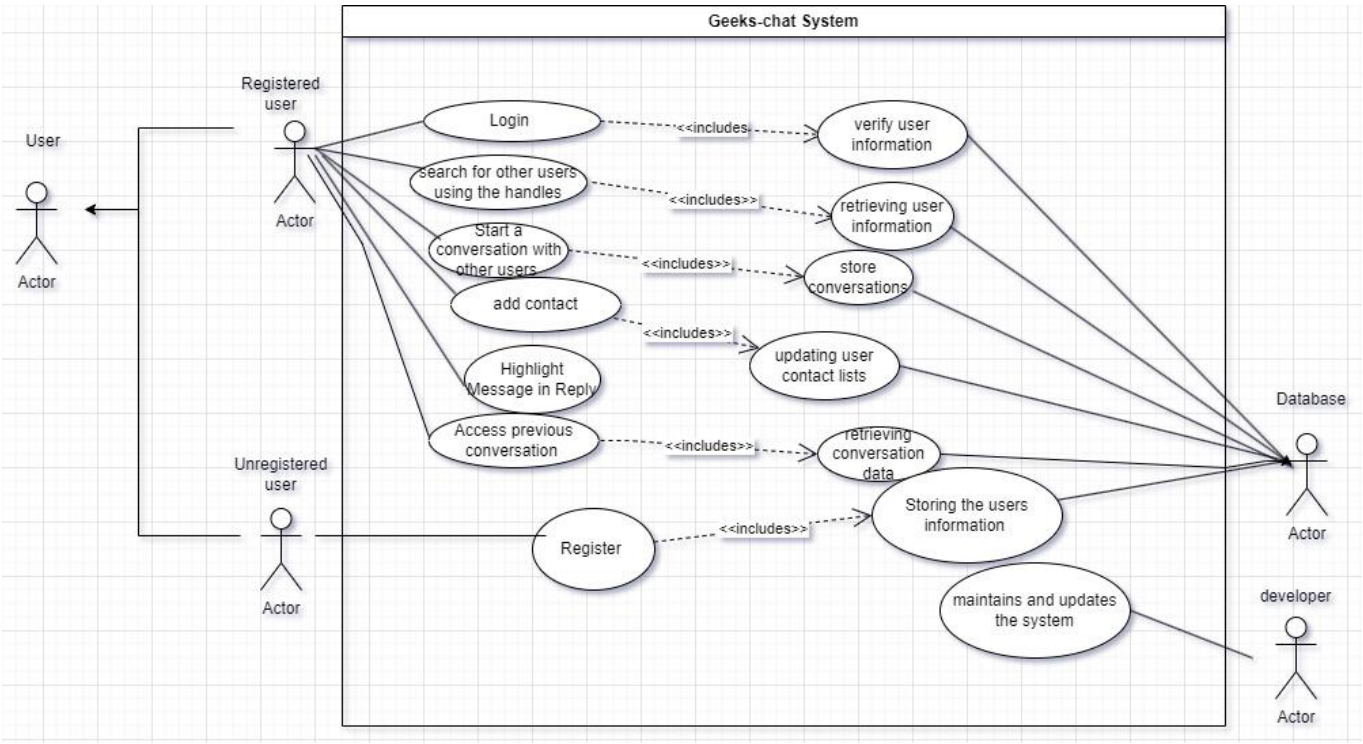
Store Online Status and Last Seen (for Premium Users)

Actor: Administrator

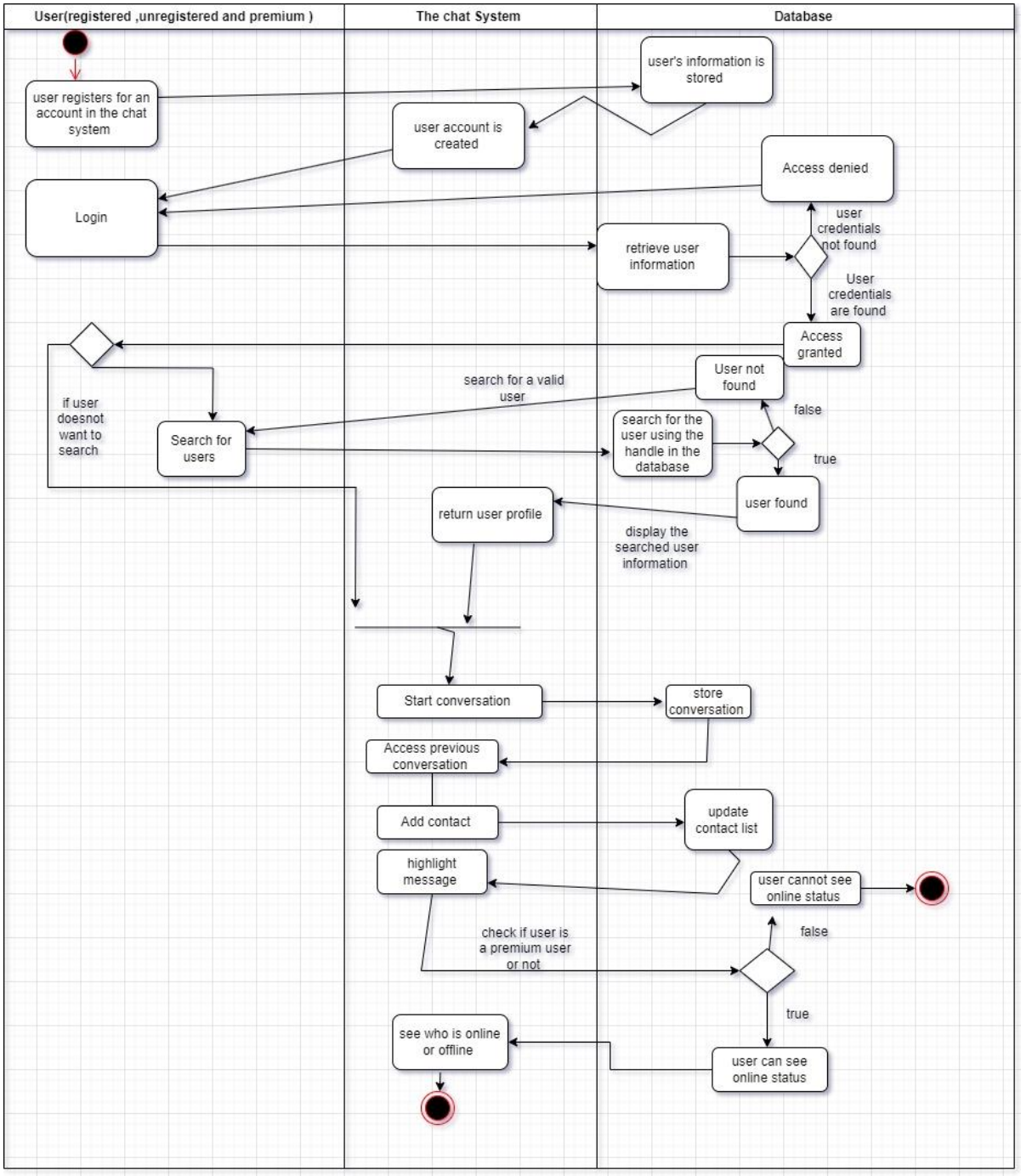
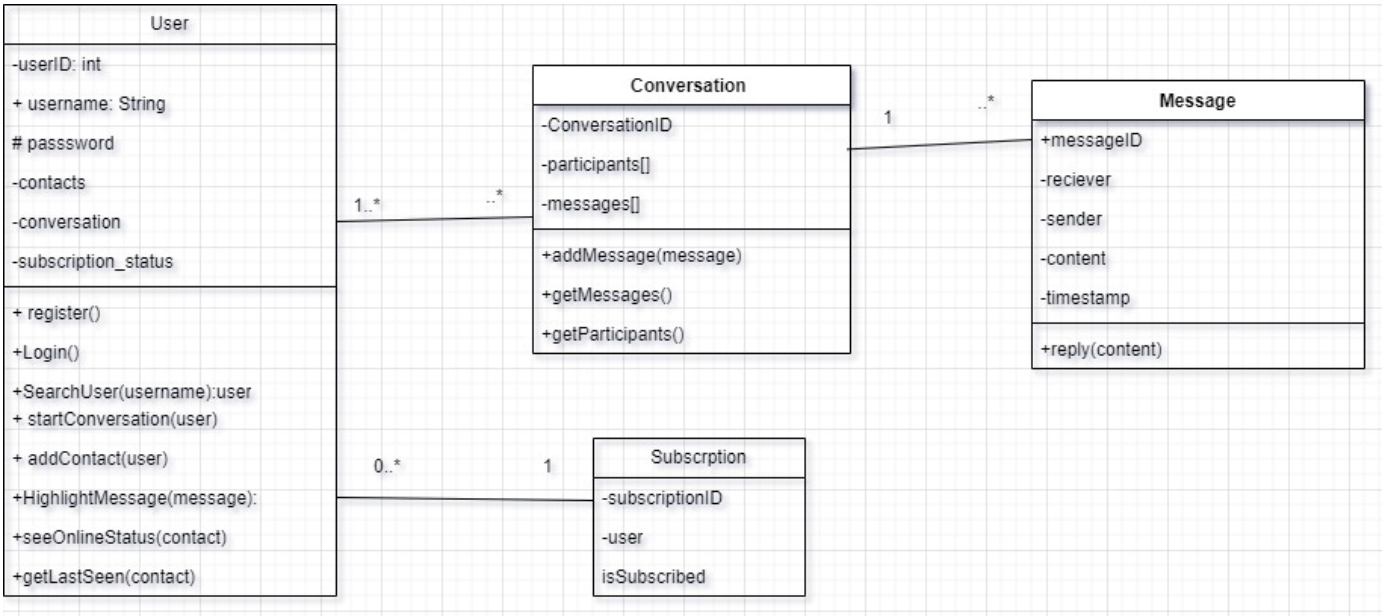
Use case:

They maintain the system

Use case diagram of all the sub-systems



Activity Diagram



Class diagram