**Chatting App - Use Case vs Queries**

1. User
   1. User Onboarding
      1. Insert into user\_info ( user\_first\_name, user\_last\_name, country\_code, mobile\_number, created\_time) values (?,?,?,?,getdate())
      2. Select user\_id from user\_info where country\_code = ? and mobile\_number = ?
      3. Insert into user\_profile\_photo (user\_id, profile\_photo) values (?,?)
   2. Delete User
      1. Delete from user\_info where user\_id = ?
      2. Delete from contact where created\_user\_id = ?
   3. User OTP Request
      1. Insert into user\_login (user\_id, otp, generated\_time, expired\_time) values (?,?,getdate(), DATEADD(minute,5,GETDATE()))
   4. User OTP Validation
      1. Select user\_id from user\_login where user\_id = ? and OTP = ? and expired\_time > getdate()
   5. User Logout
2. Contacts
   1. Add Contact
      1. Insert into contact (created\_user\_id, contact\_first\_name, contact\_last\_name, contact\_user\_id, created\_time, blocked) values (?, ?, ?, ?, getdate(), ?)
   2. Delete Contact
      1. Delete from contact where contact\_id = ?
      2. Delete from contact where created\_user\_id = ?
   3. Contact List View
      1. Alphabat View
         1. select contact\_id, contact\_first\_name, contact\_last\_name, contact\_user\_id, blocked, country\_code, mobile\_number from contact a join user\_info b on a.contact\_user\_id = b.user\_id where a.created\_user\_id = ? order by contact\_first\_name asc
      2. Frequently Contacted List View
   4. Block Contact
      1. Update contact set blocked = 'Y' where contact\_id = ?
   5. Unblock Contact
      1. Update contact set blocked = 'N' where contact\_id = ?
3. Chats
   1. Create Chat
      1. Insert into chat (primary\_user\_id, secondary\_user\_id) values (?, ?)
   2. Send Message
      1. INSERT INTO [dbo].[message\_history] ([chat\_id], [sender\_user\_id], [receiver\_user\_id], [message\_type], [text\_message\_content], [message\_sent\_time] , [message\_status]) VALUES (?,?,?,?,?,GETDATE(),?)";
      2. Insert into chat (primary\_user\_id, secondary\_user\_id) values (?, ?)
      3. Update chat set last\_message\_sent\_time = ?, last\_message\_content = ?, last\_message\_by = ? where primary\_user\_id = ? and secondary\_user\_id = ?
   3. Update Message Status
   4. Conversation History
      1. SELECT [chat\_id],[primary\_user\_id] ,[secondary\_user\_id] ,[last\_message\_sent\_time] ,[last\_message\_content] ,[last\_message\_by] FROM [dbo].[chat] where primary\_user\_id = ? or secondary\_user\_id = ? order by last\_message\_sent\_time desc
   5. Messages History
      1. select message\_id, message\_type, text\_message\_content, message\_sent\_time, sender\_user\_id from message\_history where chat\_id = ? order by message\_sent\_time desc
   6. Delete Chat Message
   7. Delete Chat History
4. Notification
   1. Push Notification
5. Search
   1. Global search
      1. Search a text in chats and contacts
6. Group
   1. Create Group
   2. Send Message in Group
   3. Message History view for a group