

Chatting App - Use Case vs Queries

1. User

1.1. User Onboarding

- 1.1.1. Insert into user_info (user_first_name, user_last_name, country_code, mobile_number, created_time) values (?,?,?,?,getdate())
- 1.1.2. Select user_id from user_info where country_code = ? and mobile_number = ?
- 1.1.3. Insert into user_profile_photo (user_id, profile_photo) values (?,?)

1.2. Delete User

- 1.2.1. Delete from user_info where user_id = ?
- 1.2.2. Delete from contact where created_user_id = ?

1.3. User OTP Request

- 1.3.1. Insert into user_login (user_id, otp, generated_time, expired_time) values (?,?,getdate(), DATEADD(minute,5,GETDATE()))

1.4. User OTP Validation

- 1.4.1. Select user_id from user_login where user_id = ? and OTP = ? and expired_time > getdate()

1.5. User Logout

2. Contacts

2.1. Add Contact

- 2.1.1. Insert into contact (created_user_id, contact_first_name, contact_last_name, contact_user_id, created_time, blocked) values (?, ?, ?, ?, getdate(), ?)

2.2. Delete Contact

- 2.2.1. Delete from contact where contact_id = ?

- 2.2.2. Delete from contact where created_user_id = ?
- 2.3. Contact List View
 - 2.3.1. Alphanat View
 - 2.3.1.1. 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
 - 2.3.2. Frequently Contacted List View
- 2.4. Block Contact
 - 2.4.1. Update contact set blocked = 'Y' where contact_id = ?
- 2.5. Unblock Contact
 - 2.5.1. Update contact set blocked = 'N' where contact_id = ?

3. Chats

- 3.1. Create Chat
 - 3.1.1. Insert into chat (primary_user_id, secondary_user_id) values
(?, ?)
- 3.2. Send Message
 - 3.2.1. 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(), ?)";
 - 3.2.2. Insert into chat (primary_user_id, secondary_user_id) values
(?, ?)
 - 3.2.3. Update chat set last_message_sent_time = ?,
last_message_content = ?, last_message_by = ? where
primary_user_id = ? and secondary_user_id = ?
- 3.3. Update Message Status

3.4. Conversation History

3.4.1. `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`

3.5. Messages History

3.5.1. `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`

3.6. Delete Chat Message

3.7. Delete Chat History

4. Notification

4.1. Push Notification

5. Search

5.1. Global search

5.1.1. Search a text in chats and contacts

6. Group

6.1. Create Group

6.2. Send Message in Group

6.3. Message History view for a group