

# Messenger Application

Underachievers

Joshua Park, James Anders, Alex Palm, Bao Truong

## 1. SendMessage

- The system shall allow the user to reply the message
- The system shall allow the user to be able to edit a draft message (backspace, insert etc.)
- The system give a confirmation that the message has been sent

## 2. DeleteMessage

- The system shall allow the user to delete select messages, including multiple deletion
- Deleted messages will be deleted from forum and (in)visible to all users, not just deleter

# Requirement Specs

### 3. Forward

- Ability to forward select messages to other users in different group chats
- Forwarded info includes original sender and their message

### 4. Draft

- Saves current message to clipboard constantly, if app is closed/exited, it will keep it saved in that chat until user makes a change

### 5. GroupMessage

- Ability to have a message sent to all recipients in that group

# Requirement Specs

## 6. SearchMessage

- Ability to take input from user and find all exact matches from any message in selected conversation
- Successful matches will return a highlighted match in the conversation
- Unsuccessful matches will return a 'no matches found' error message

## 7. AddContacts

- User ability to create a contact based on a phone number
- User will be able edit contacts first and last names

## 8. DeleteContacts

- Ability to remove contacts from saved contact list
- Will keep messages with deleted contact in tact until you delete the message

# Requirement Specs

## 9. ViewContacts

- Ability to view a list of contacts from user's saved contact list
- Prompt will be given to start a group message with any of your contacts

## 10. ViewCategorized Conversations

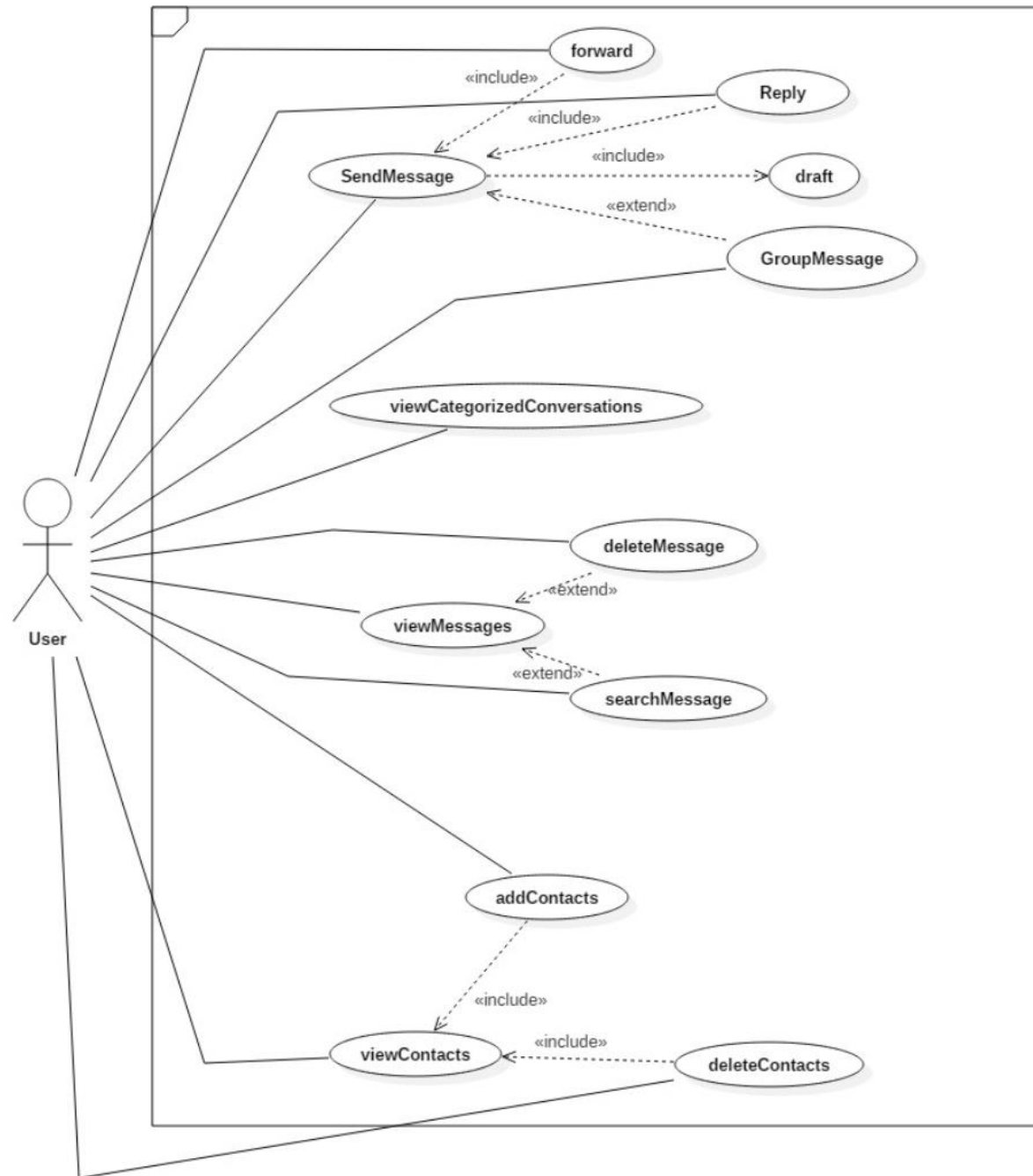
- Ability to categorize conversations from contacts based on time (most recent conversations will be at the top of the feed)
- Will be able to display conversations/messages from this list

## 11. ViewMessages

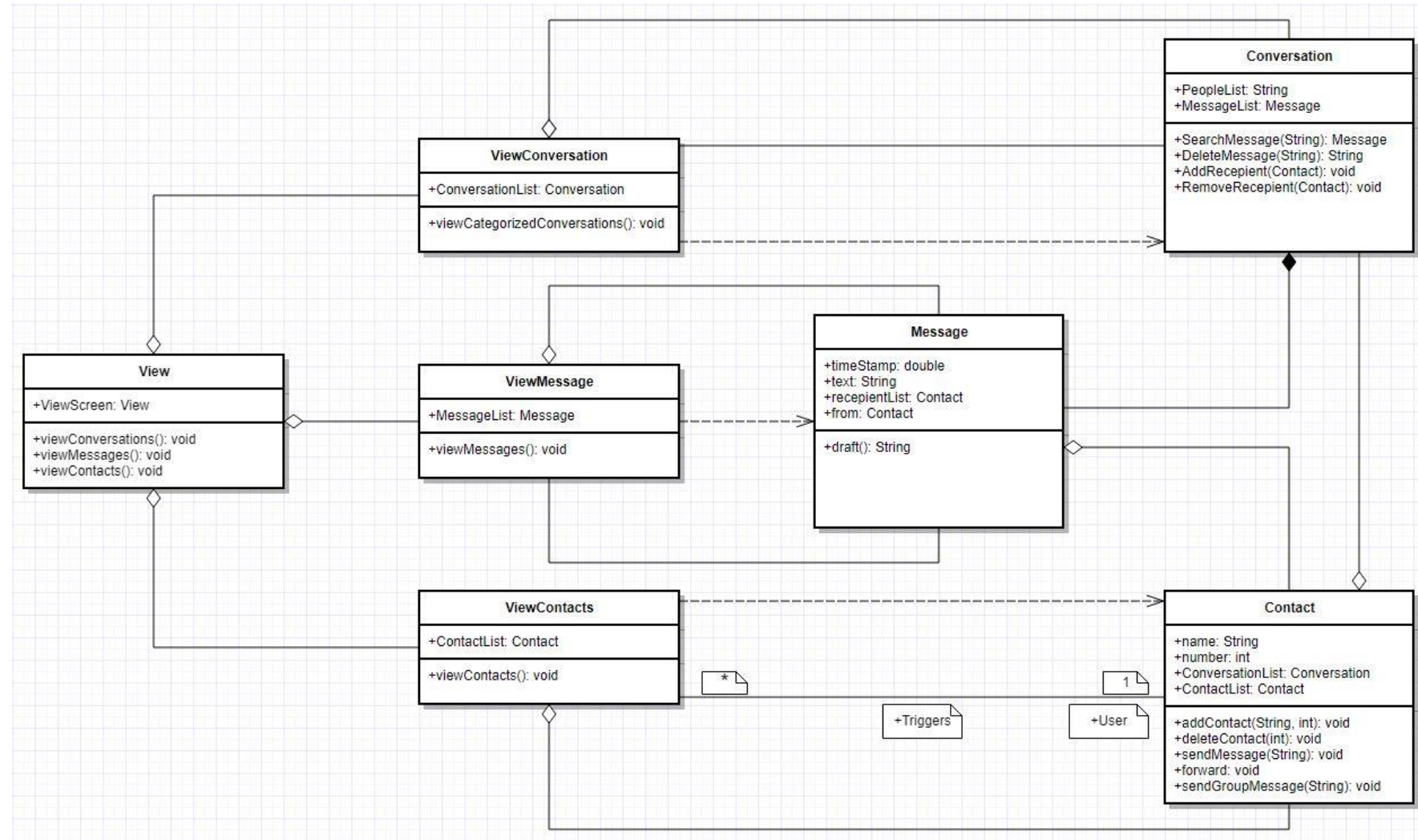
- Ability to view all (saved) messages in a given conversation based on time (most recent messages will be displayed on the bottom of the feed)

# Requirement Specs

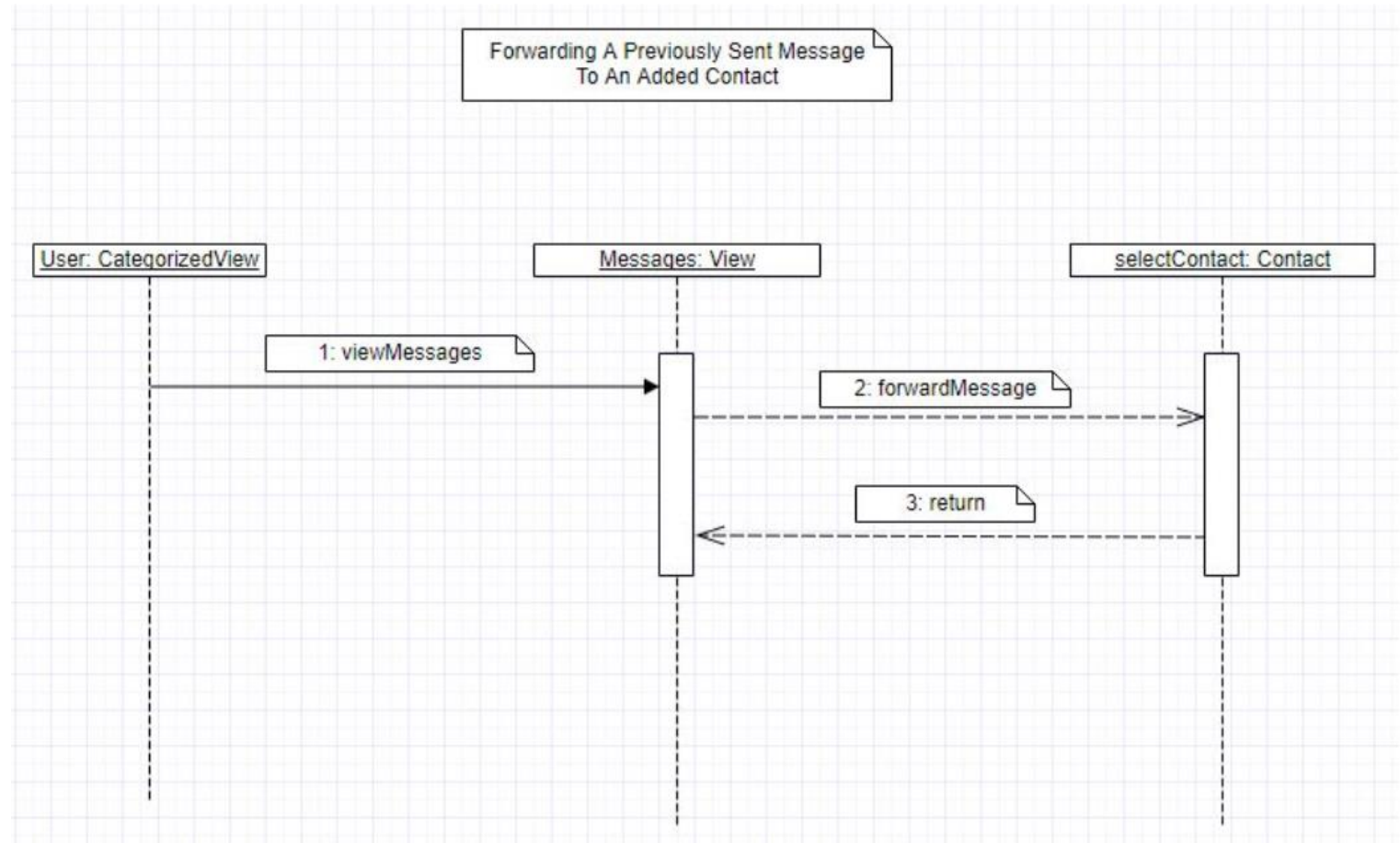
# Use Case Diagram



# UML Class Diagram

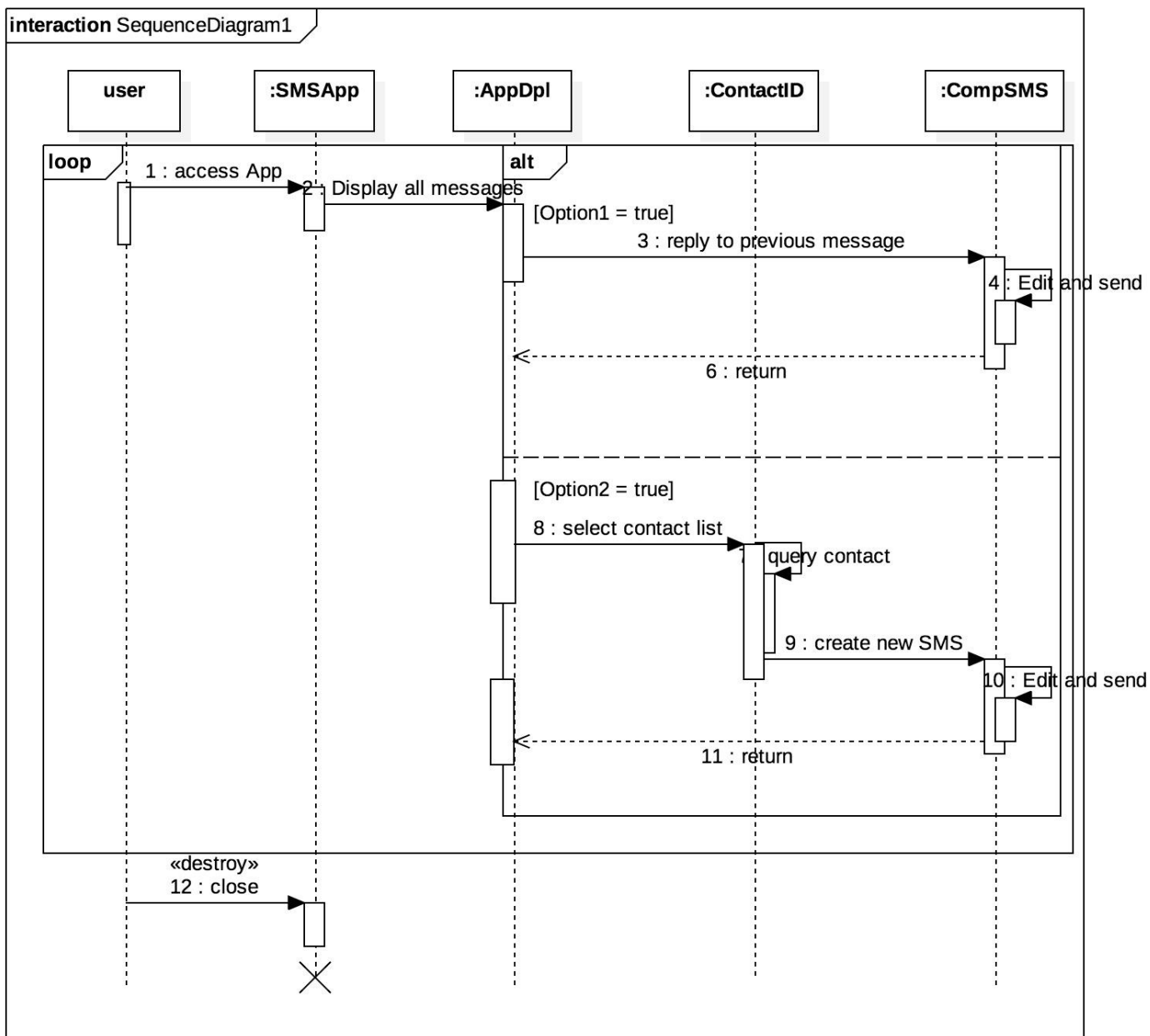


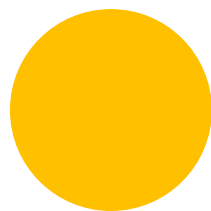
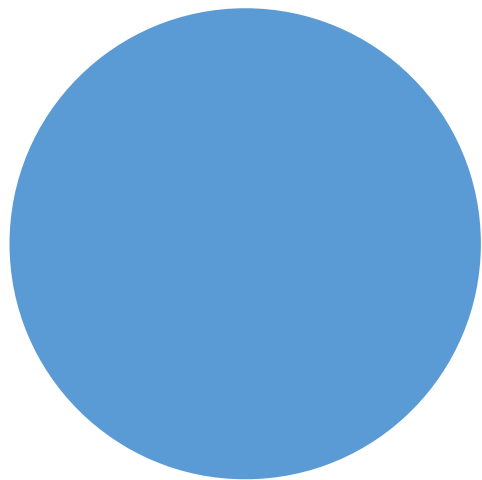
## Sequence Diagram 1





## Sequence Diagram 2





Q+A

