Group 4: Communications

UML Use Case Diagrams

Revision History

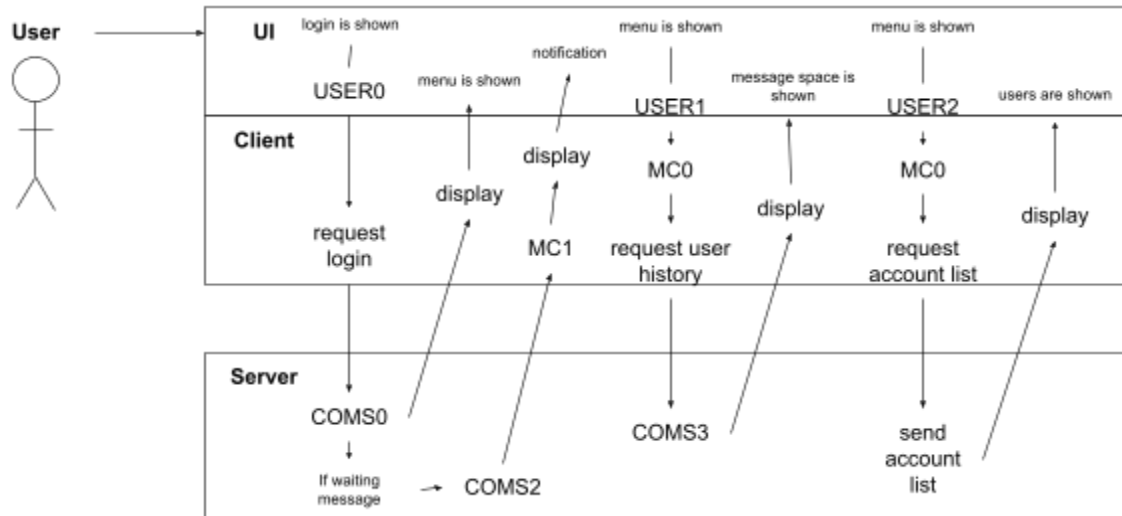| Date	Revision	Description	Authors
9/19/2022	1.0	Initial Version	
9/23/2022	1.1	Added a Use Case	Aimee Diaz
9/26/2022	1.2	Added all user oriented use cases from Use Case Specification v1.0. All client/server cases are shown in these cases.	Jared Patterson

Logging In.
Use Case: **USER0**
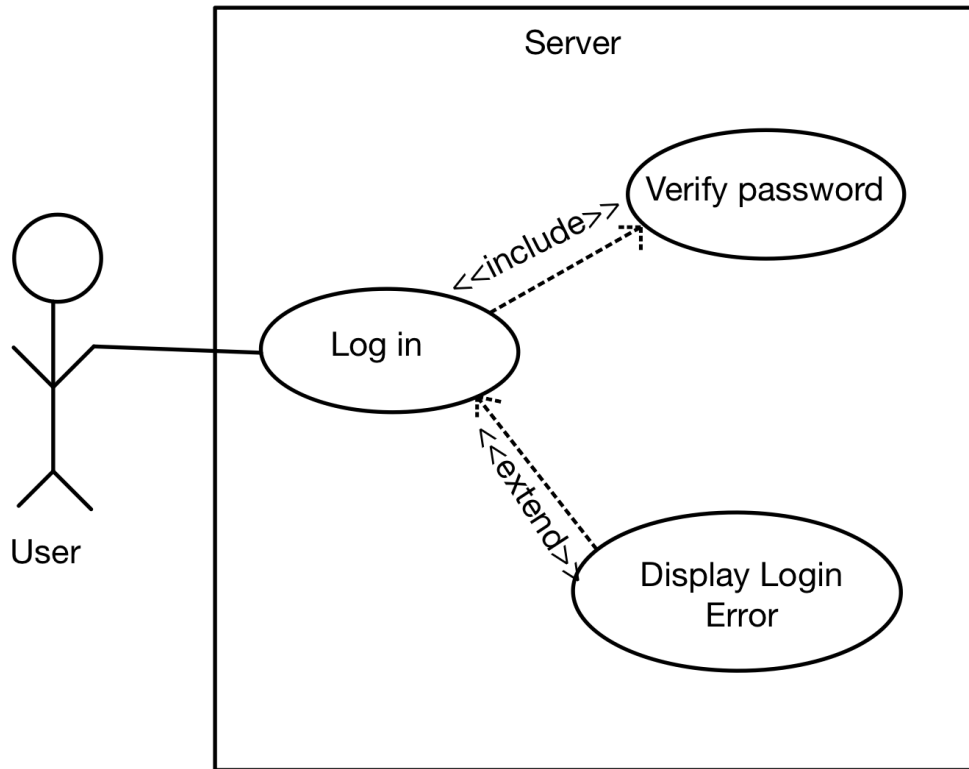
User Basic Cases.
USER0 (login), USER1 (view messages), USER2 (search accounts)
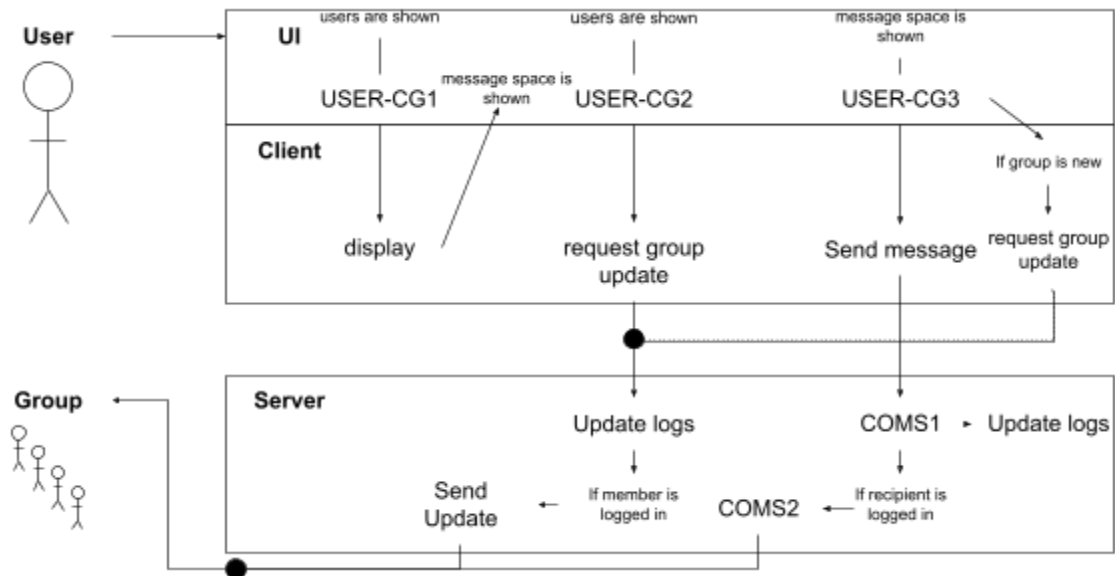**MC0 (request info), MC1 (new message notify)**
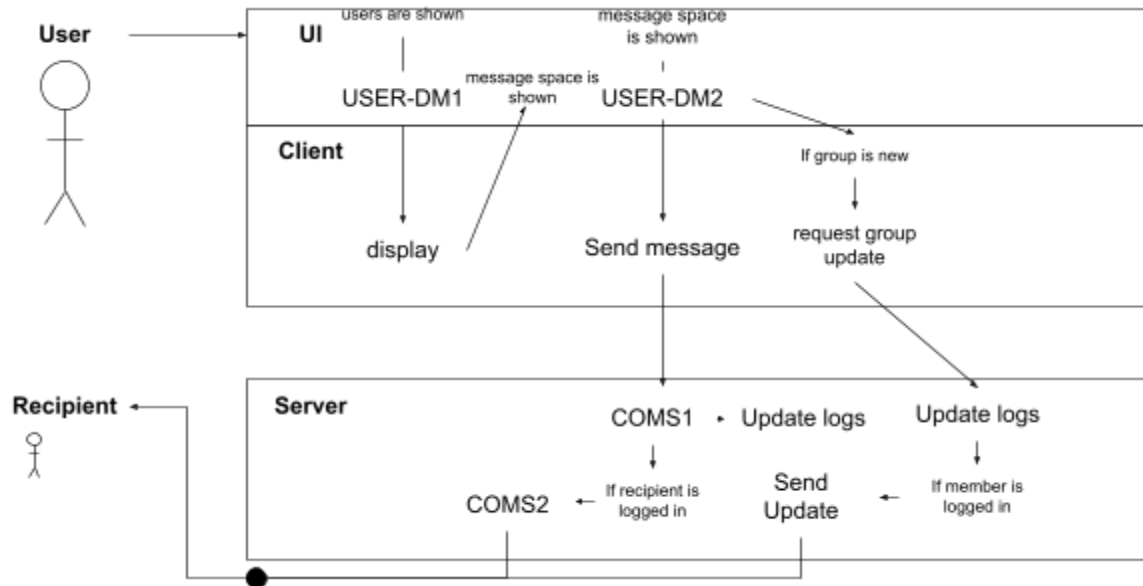**COMS0 (service login), COMS2 (send message), COMS3 (send history)**

UI

login is shown — USER0
menu is shown
notification
menu is shown — USER1 — message space is shown
menu is shown — USER2 — users are shown

Client

display
display — MC0 — MC0 — display — display
request login — MC1 — request user history — request account list

Server

COMS0 — COMS3 — send account list
If waiting message — COMS2

User Chat Group Cases.
USER-CG1 (make group), USER-CG2 (add to group), USER-CG3 (send message)
COMS1 (receive message), COMS2 (send message)

UI

users are shown — USER-CG1 — message space is shown — USER-CG2 — message space is shown — USER-CG3
users are shown

Client

If group is new
display — request group update — Send message — request group update

Server / **Group**

Update logs — COMS1 → Update logs
Send Update ← If member is logged in — COMS2 ← If recipient is logged in

User DM Cases.
USER-DM1 (make dm), USER-DM2 (send message)
COMS1 (receive message), COMS2 (send message)

		users are shown		message space is shown	
User →	**UI**				

USER-DM1   message space is shown   USER-DM2

Client

If group is new

display   Send message   request group update

Recipient ←

Server   COMS1 · Update logs   Update logs

COMS2 ← If recipient is logged in   Send Update ← If member is logged in

User IT cases.
IT-0 (Enter Privileged Mode)

	menu is shown		menu is shown with IT-0	
User →	**UI**			

menu is shown with IT-0   IT-0   IT mode displayed

Client

If IT, show IT-0 option   display IT mode