Communication Project

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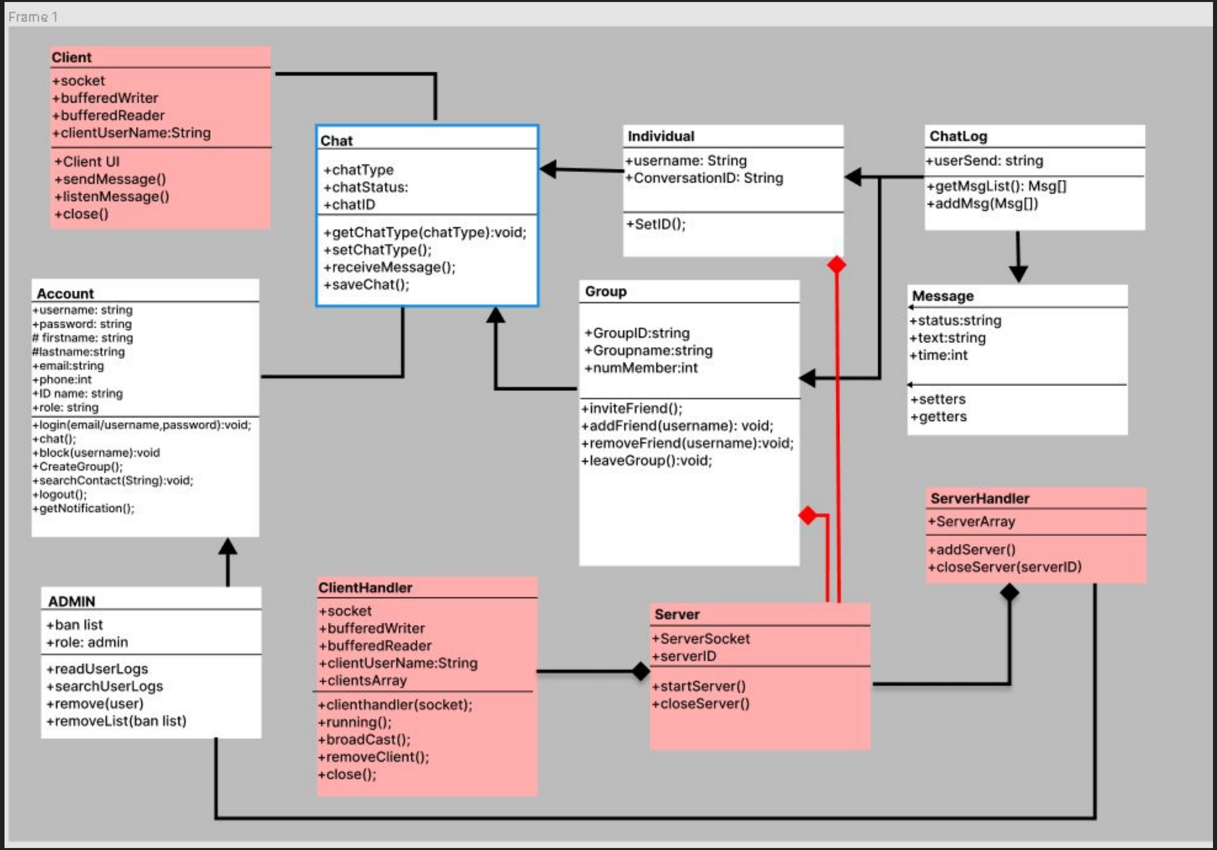
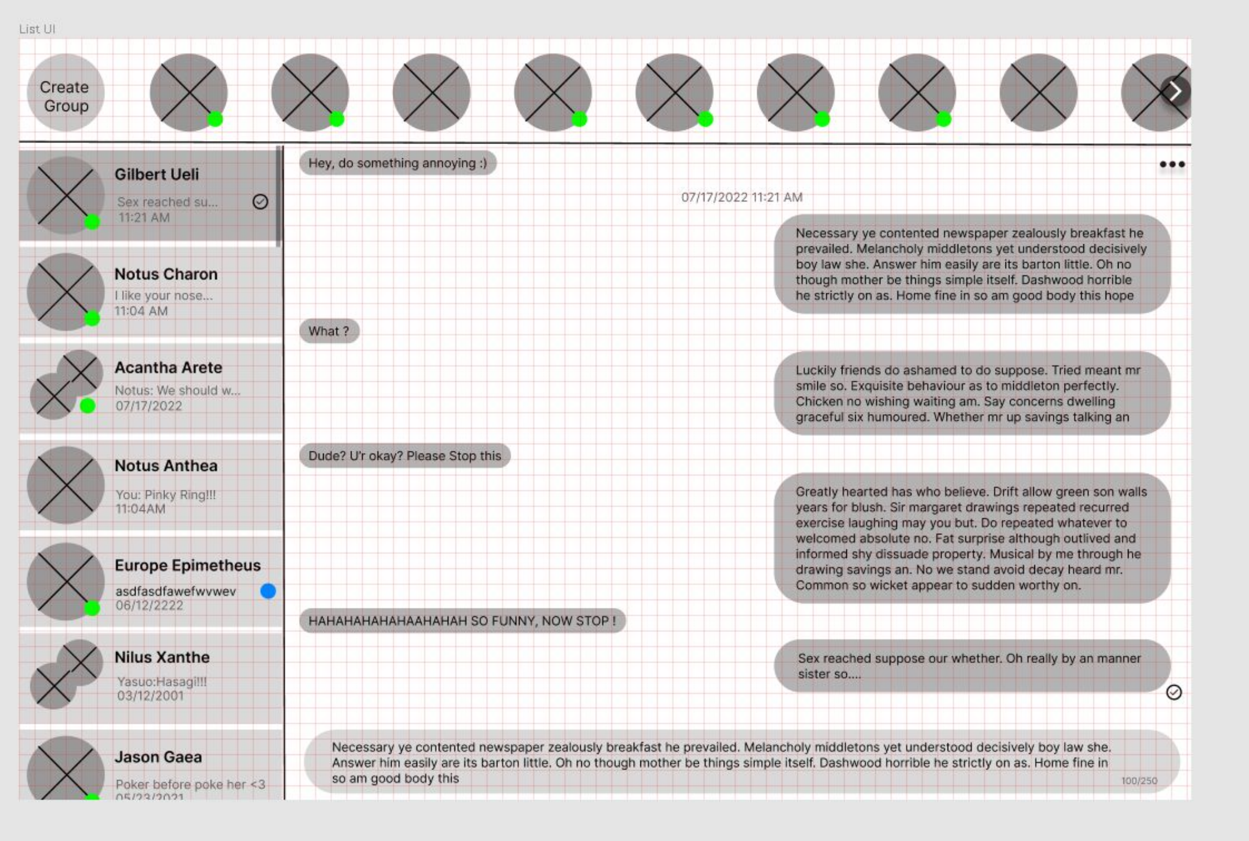
Important Requirements

Every user will have a user id and password.
All users can send and receive message.
Users can register before logging in if they do not have an account.
Connecting with TCP/IP
GUI for the program
Allow users with account to login.


Frame 1
Client
+socket
+bufferedWriter
+bufferedReader
+clientUserName:String
+Client UI
+sendMessage()
+listenMessage()
+close()
Chat
+chatType
+chatStatus:
+chatID
+getChatType(chatType):void;
+setChatType();
+receiveMessage();
+saveChat();
Individual
+username: String
+ConversationID: String
+SetID();
ChatLog
+userSend: string
+getMsgList(): Msg[]
+addMsg(Msg[])
Account
+username: string
+password: string
# firstname: string
#lastname:string
+email:string
+phone:int
+ID name: string
+role: string
+login(email/username,password):void;
+chat();
+block(username):void
+CreateGroup();
+searchContact(String):void;
+logout();
+getNotification();
Group
+GroupID:string
+Groupname:string
+numMember:int
+inviteFriend();
+addFriend(username): void;
+removeFriend(username):void;
+leaveGroup():void;
Message
+status:string
+text:string
+time:int
+setters
+getters
ServerHandler
+ServerArray
+addServer()
+closeServer(serverID)
ADMIN
+ban list
+role: admin
+readUserLogs
+searchUserLogs
+remove(user)
+removeList(ban list)
ClientHandler
+socket
+bufferedWriter
+bufferedReader
+clientUserName:String
+clientsArray
+clienthandler(socket);
+running();
+broadCast();
+removeClient();
+close();
Server
+ServerSocket
+serverID
+startServer()
+closeServer()



Gilbert Ueli
Sex reached su...
11:21 AM

Notus Charon
I like your nose...
11:04 AM

Acantha Arete
Notus: We should w...
07/17/2022

Notus Anthea
You: Pinky Ring!!!
11:04AM

Europe Epimetheus
asdfasdfawefwvwev
06/12/2222

Nilus Xanthe
Yasuo:Hasagi!!!
03/12/2001

Jason Gaea
Poker before poke her <3

Hey, do something annoying :)

07/17/2022 11:21 AM

Necessary ye contented newspaper zealously breakfast he prevailed. Melancholy middletons yet understood decisively boy law she. Answer him easily are its barton little. Oh no though mother be things simple itself. Dashwood horrible he strictly on as. Home fine in so am good body this hope

What ?

Luckily friends do ashamed to do suppose. Tried meant mr smile so. Exquisite behaviour as to middleton perfectly. Chicken no wishing waiting am. Say concerns dwelling graceful six humoured. Whether mr up savings talking an

Dude? U'r okay? Please Stop this

Greatly hearted has who believe. Drift allow green son walls years for blush. Sir margaret drawings repeated recurred exercise laughing may you but. Do repeated whatever to welcomed absolute no. Fat surprise although outlived and informed shy dissuade property. Musical by me through he drawing savings an. No we stand avoid decay heard mr. Common so wicket appear to sudden worthy on.

HAHAHAHAHAHAAHAHAH SO FUNNY, NOW STOP !

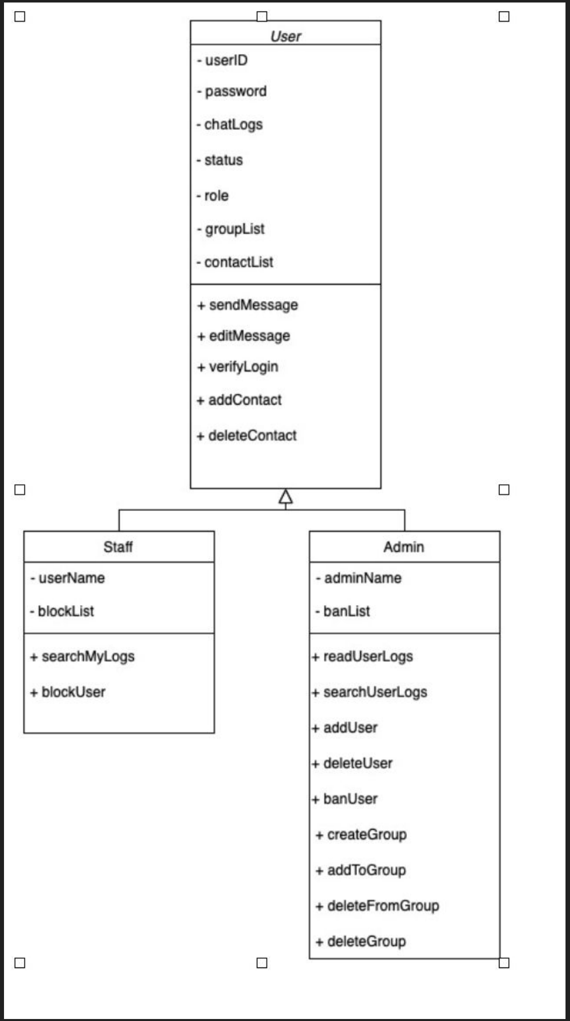
Sex reached suppose our whether. Oh really by an manner sister so....

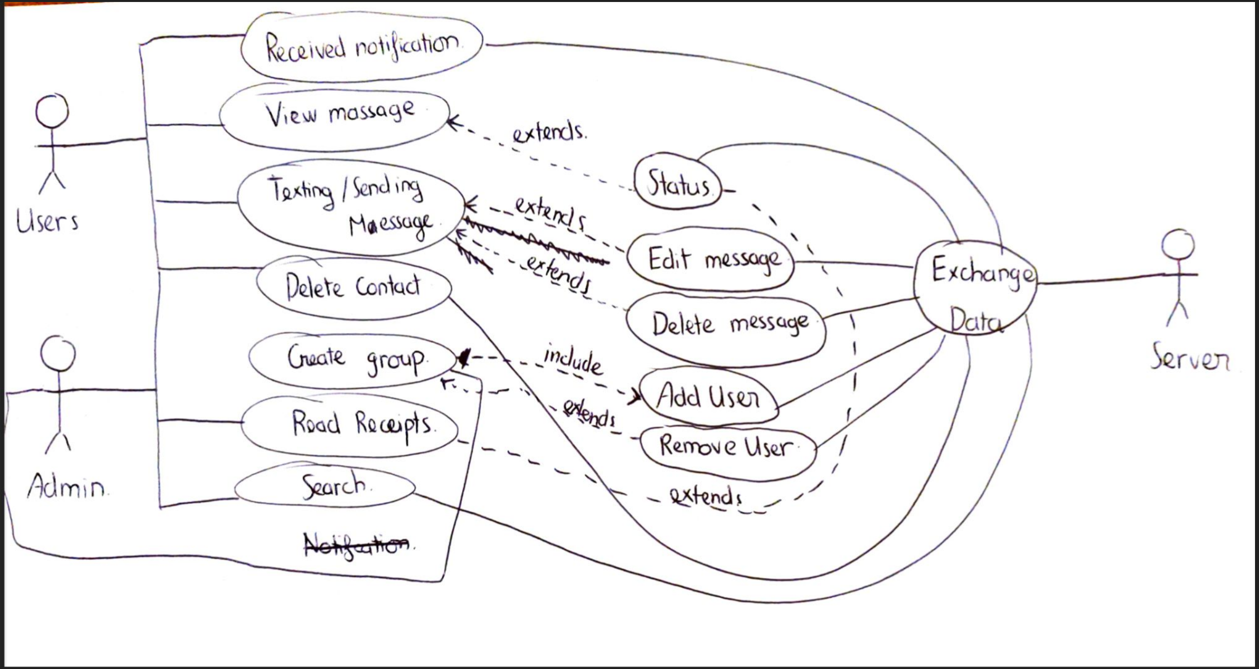
Necessary ye contented newspaper zealously breakfast he prevailed. Melancholy middletons yet understood decisively boy law she. Answer him easily are its barton little. Oh no though mother be things simple itself. Dashwood horrible he strictly on as. Home fine in so am good body this

100/250

Hindsight

- GUI barely working
- Unable to implement prototype design
- Missing classes from UML
- Time constraint


User
- userID
- password
- chatLogs
- status
- role
- groupList
- contactList
+ sendMessage
+ editMessage
+ verifyLogin
+ addContact
+ deleteContact
Staff
- userName
- blockList
+ searchMyLogs
+ blockUser
Admin
- adminName
- banList
+ readUserLogs
+ searchUserLogs
+ addUser
+ deleteUser
+ banUser
+ createGroup
+ addToGroup
+ deleteFromGroup
+ deleteGroup


Received notification
View massage
extends.
Status
Users
Texting / Sending Message
extends
Edit message
extends
Delete message
Exchange Data
Server
Delete Contact
Create group
include
Add User
extends
Admin.
Read Receipts
Remove User
Search
extends
~~Notification~~