CS 401 – Communications Project

Meeting Minutes – Group 1

**Date of meeting:** June 8, 2022

**Attendees:** Samuel Hunt, Sadhana Chhetri, Tianzheng Cui

**Discussion:** Project requires text-based communication between multiple users on a local network where all chat logs will be archived. The archive is then viewable by everyone on the server. It will allow for both synchronous and asynchronous communication among the users It should also have a GUI with TCP/IP network protocol.

**Proposal:** Some questions for the client like “How does text communication over a TCP/IP network work?” “ What is Junit and what does it do?” “How should the final GUI look like?”

**Date of meeting:** June 13, 2022

**Attendees:** Samuel Hunt, Sadhana Chhetri, Tianzheng Cui, Xiaoming Liang, Christopher Smith (Client)

**Discussion:** Should the IT users have access to chat logs, or the general users be allowed that access as well? IT users will create new chat rooms/groups and general users will join or the general users will create the room themselves and start chatting. Maximum number of users allowed to chat at a time in the groups.

**Proposal:** After a brief meeting with the client, it was proposed that the group members should come up with an agreement on some general requirements for the project like the ones mentioned in the discussion above. Some topics like sending data over TCP/IP, implementing Junit and GUI would be better understood at a later time as the work on the project progresses.

**Date of meeting:** June 21, 2022

**Attendees:** Samuel Hunt, Sadhana Chhetri, Xiaoming Liang

**Discussion:** Are the requirements agreed upon beforehand by the group members sufficient? Dividing the roles among the group members to prepare SRS document, Meeting minutes and Project Schedule.

**Proposal/Decision:** Updated the overall requirements for the project. The requirements for the project are

* General users or It users create groups for chatting
* IT roles and general roles separated
* Chat logs stored in files with details of the sender, receiver, time stamp and the message
* Visible side bar with the list of all employees in a chat group
* Message “Read Receipts” to be available
* Inactivity for a certain time will log out the user from the chat group and they should log in again to chat

All the three attendees agreed upon preparing the respective documents for this phase of the project.

**Date of meeting:** July 13, 2022

**Attendees:** Xiaoming Liang, Samuel Hunt, Sadhana Chhetri

**Discussion:** How does the program start? What happens after the program is started? How many types of Users will there be? How does the flow of the program work? How many data files need to be maintained throughout the program? What will be some general classes for the program?

**Proposal:** After a long brainstorming session, all three attendees agreed upon having some of the following features in the program.

* There are two different types of users namely, general user and IT user.
* If either type of user interacts with the GUI of the system and hits LogIn, then they can start using the system.
* The program will have Client/ Server network system through which they will be able to send the messages in the system.
* There will be an option to create a group chat or individual chat to each user, where an option of leaving a group will also be available.
* Classes to be created are: User, UserLogin, Server, Client, Message, Inactivity, Logout
* There were some other possibilities for class members or methods of already existing classes which are: UserSendsMessage, UserCreatesGroup, UserLeavesGroup, ITUserCreatesAccount, MessageLog, DisplayUserLogs, PreviousChatLogs, GroupList, and GUI
* It was also decided that a timer will be used in Inactivity class for observing inactivity from the user that would trigger automatic logout from the system.
* There will be a socket close class or some other option that would come up in future meetings to trigger logout.
* The attendees also agreed to come up with their own separate classes and their respective methods and attributes in order to compare and decide on final classes for the system.

**Date of meeting:** July 17, 2022

**Attendees:** Samuel Hunt, Sadhana Chhetri, Xiaoming Liang

**Discussion:** Since the UML Design that we submitted did not get good feedback from our Client, the attendees from previous meeting came up with a decision that each attendee should prepare their own classes, methods and attributes. After observing all the participants respective ideas for the classes, methods and attributes, which classes, methods and attributes would be the best for the system was discussed.

**Proposal/Decision:** Every attendee was given an opportunity to decide if the proposed classes were needed for the system or not. Discussion of the ideas from all the attendees allowed us to come up with final class ideas for the system. Apart from this, a decision was made to prepare the Design Specification Document with contributions from all the attendees. The final Classes, methods, attributes and the data files that were confirmed during this meeting are attached below.

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**Date of meeting:** July 22, 2022

**Attendees:** Samuel Hunt, Sadhana Chhetri, Xiaoming Liang

**Discussion:** What will be the updates required for the documentation part of the project? Who would be comfortable to prepare an implementation plan for which Class Groups? How should the file for final presentation be prepared? When will the testing phase of the project begin?

**Proposal/Decision:** A thorough discussion among the attendees allowed them to come up with a plan of implementation of the project. Attendees volunteered to implement classes and gave an estimate of July 26, 2022, as the end of implementation phase. According to the client, the testing phase is not supposed to be very long, so the attendees decided to start the testing on July 26, 2022, and end it on July 27, 2022. The documentation requiring updates were decided to be UML Class Diagrams, Meeting minutes and Project Schedule. A final presentation would be prepared via Google Slides where each attendee and the presenters will add their own respective slides and notes to present it in front of the client. The respective implementation work divided among the attendees is attached below.

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