Requirement ID: 5

Description: Add ability to create/join named chatrooms

Artifact: This requirement will give users the ability to organize their conversations into different and dedicated spaces. The implementation shows how the system manages and verifies the room and its existence. Further, this artifact helps to make sure the user can transition from room to room with ease.

Requirement ID: 5.2

Description: Show active room and participant list

Artifact: This feature will display the active participants in the room. This highlights how the system can track connections and update status' when joining and leaving the room. Overall, this will improve the experience by allowing the rooms to feel more interactive, active, and community-oriented.

Requirement ID: 7

Description: Implement message persistence (save chat history to database)

Artifact: This requirement will be introduced to make sure that the chat history is not lost when the server restarts or users disconnect. This demonstrates the integration of our database system with the chat functionality to provide a more usable and continuous chat experience. The functionality of this can be verified through sending and receiving messages across multiple different sessions.

Requirement ID: 7.1

Description: Load previous messages when joining a room

Artifact: This feature goes further with message persistence, since even new users who have not previously interacted with any of the chat rooms are able to view the messages that have been sent. This will confirm that users entering the new rooms are given the context required to again, make a more usable and continuous chat experience.