

Project conclusion:

The main goal of the project was to create a working chat box that simply allows multiple clients to communicate with one another through a single server. We managed to achieve the goals that we originally planned and had some extra features that were when we finished the project. We have a GUI implemented for both the server and client side. In addition, we also managed to include a notification sound feature for when a new user join; we also added a feature that allows users to see who are currently online in the chat.

Because we lack experience working with multi-threading, there are some bugs that needed to be fix for the multi-threading; we figured out what the root cause of the issue at the last minute, so if we were given more time, we probably would've been able to fix the multi-threading issue. The bug issue is minor, so people are still able to run the program.

Team communication was great; everyone knew what they needed to do. We had slight complications with GitLab because we didn't know how to use it at first; therefore, in our GitLab "graph" there might be some places where it looks like only one person has been doing the good. Furthermore, we had steps to follow for when we wanted to create a "merge request," and we followed through with our 2 week sprints.

Overall, we believe that we achieved the primary goal of the project.