**Team Members**

1. Lucas Jakober
2. Yash Patel

**Topic**

Write a chat application that conforms to the application protocol as specified in the project topics document.

**Final Objectives**

1. Weight: 2 – The application announces its presence via “HELLO” user\_name at startup.
2. Weight: 2 – The application correctly sends “HELLO” user\_name messages to its peers every 5 seconds
3. Weight: 4 – The application correctly recognizes a peer from a received “HELLO user\_name message and adds it to the peer list.
4. Weight: 4 – The application removes a peer from the peer list when 15 seconds have elapsed without receiving a “HELLO” user\_name from them.
5. Weight: 2 – The application sends a message only to the IP addresses in the peer list

Total weight: 14

**Objectives Reached**

1. The application successfully announces its presence via “HELLO” user\_name
2. The application successfully sends “HELLO” user\_name messages to its peers on the peer list every 5 seconds
3. The application successfully acknowledges a receive “HELLO” user\_name from a new peer and adds it to the peer list
4. The application successfully removes a peer from the peer list after more than 15 seconds have passed without receiving a “HELLO” user\_name from them
5. The application successfully sends a message only to the IP addresses that are in the peer list