

Instructions for running the application:

- Open the project directory in Terminal and run command -> docker-compose up message-broker-1 runs the first message broker on 8000 port and then run the command -> docker-compose up message-broker-2 to run the next message broker on port 3000.
- Then run mongo command, which initiates and runs the Mongo DB server on mongod --bind\_ip localhost:27017/.
- After which open the project directory and open as many client\_p.html and client\_s.html files from Message\_broker\_1 directory.
- Then open the project directory and open as many client\_p1.html and client\_s.html files from Message\_broker\_2 directory.
- The html files provide web interfaces which interact with the message broker in its region to display results.

Environment Setup:

- Install Mongo DB from <https://www.mongodb.com/download-center>
- Install Docker from <https://www.docker.com/get-started>