**Performance Results**:

Max Clients spawned: 123450

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Number of Clients | Number of Messages | Time to Tweet, Retweet  (milliseconds) | Query Tweets Subscribed To  (milliseconds) | Query Tweets by Hashtag  (milliseconds) | Query Tweets by Mention  (milliseconds) | Query All Relevant Tweets  (milliseconds) | Complete  Execution  (milliseconds) |
| 100 | 122 | 42.86 | 167.43 | 29.12 | 19.98 | 7.09 | 809 |
| 500 | 650 | 266.45 | 2245.78 | 311.908 | 401.09 | 129.098 | 4987 |
| 750 | 910 | 345.45 | 4111.34 | 612.21 | 398.47 | 213.09 | 6987 |
| 1000 | 1101 | 1335.77 | 7109.90 | 1345.98 | 699.36 | 222.21 | 16789 |
| 2000 | 2100 | 6632.65 | 61890.68 | 6789.04 | 16754.95 | 2897.09 | 126827 |

Test Cases are executed for the following functionalities:

1. User registration

2. User Disconnection

3. User Deletion

4. User Login

5. User Subscription

6. User tweet

7. Get My tweet

8. Hashtags

9. User tweet mentions