**Performance Report**

**Assignment -1**

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| **Instances** |  | **Avg. Response Time (ms)** | **Avg. Server Throughput(ops/s)** |
| 1 | Seller | 0.1486 | 993.6061 |
| Buyer |  |  |
| 10 | Seller | 0.3011 | 997.1542 |
| Buyer |  |  |
| 100 | Seller | 10.6374 | 1000.8851 |
| Buyer |  |  |

Seller: For evaluating the seller’s metrics, we are doing the following 1000 client operations: 1 ‘login’ + 999 ‘getProducts’. In this run, about 90 computations of Average Response Times are collected, and 1 value of Avg. Server Throughput is collected. For multiple clients, all values are averaged. As can be seen, there is an increase in the metric values as more clients are handled simultaneously. When increasing number of concurrent clients from 10 to 100, the response time increased by a factor of about 35. However, it shows that the throughput has remained mostly constant. This means that the bottleneck comes from the communication happening through TCP/IP socket and not the computations in the server or the DB.

 