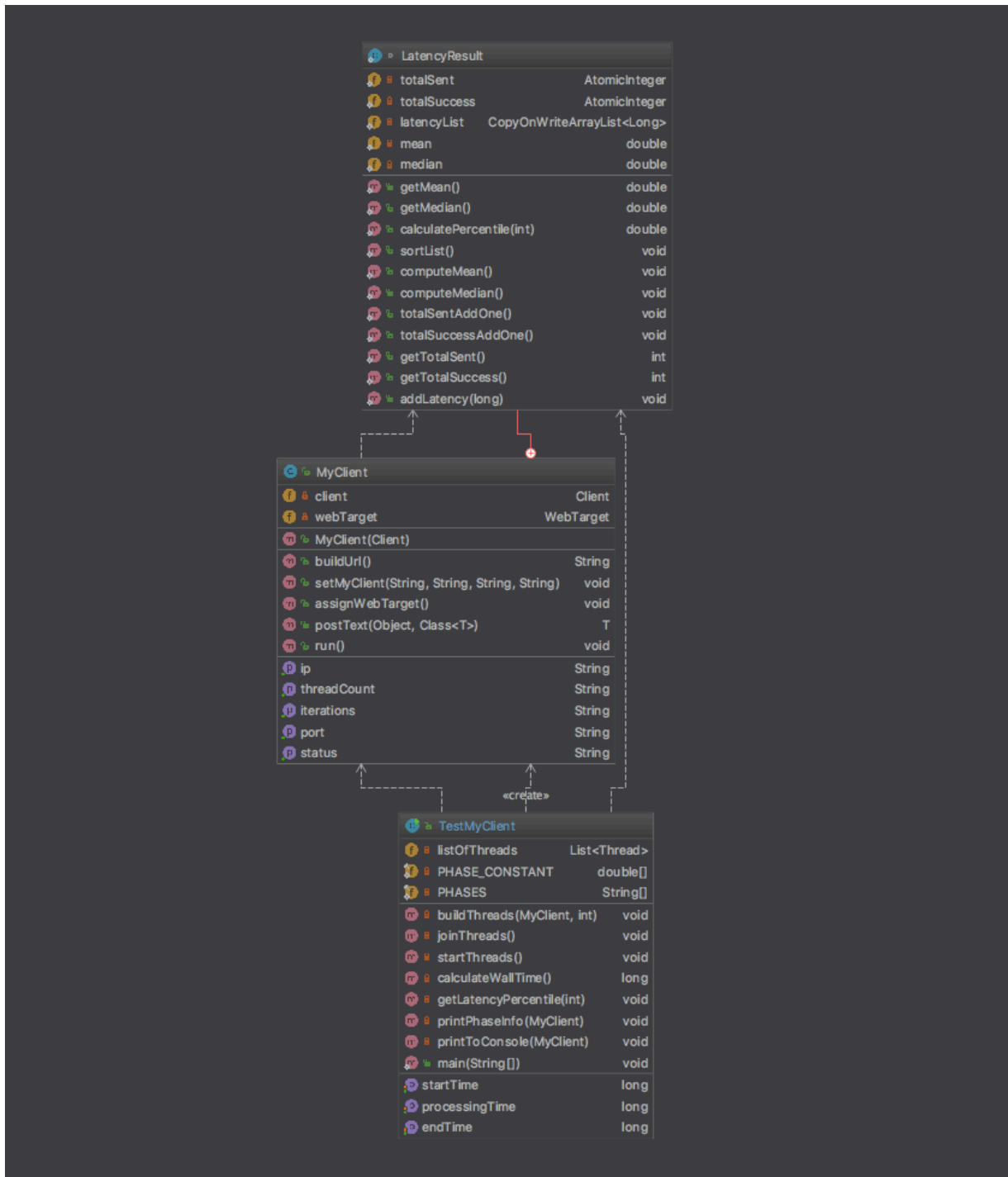


# CS 6650 Assignment 1

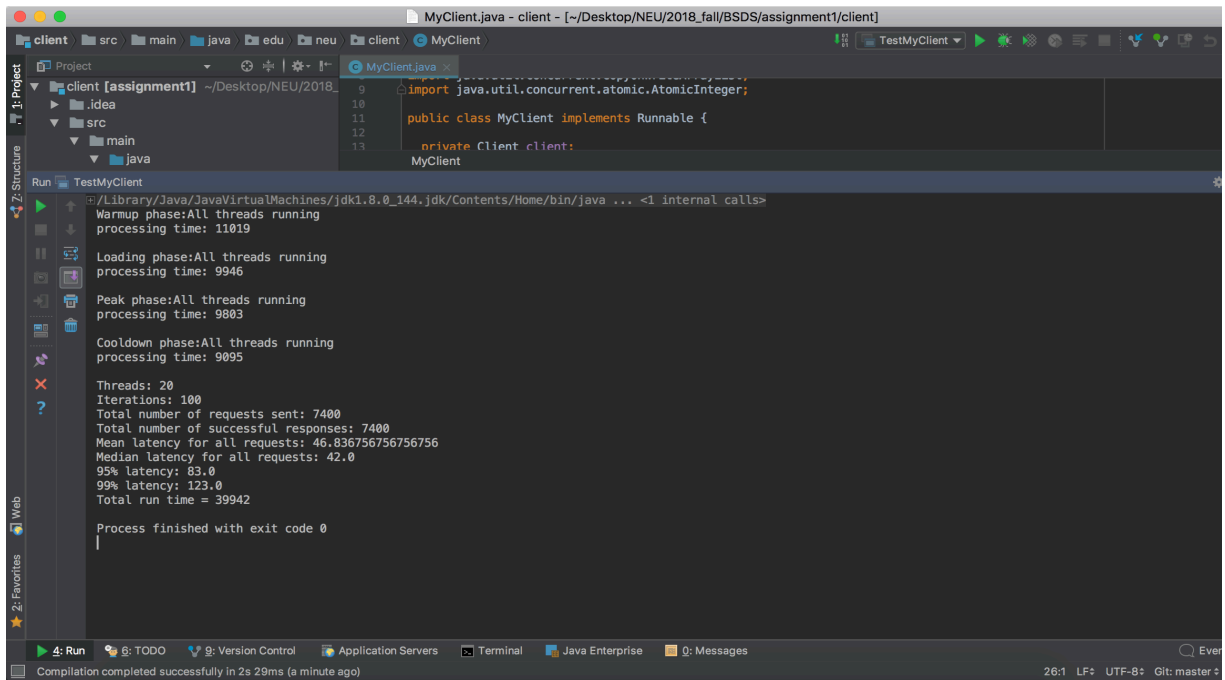
Shujian Wen

1. A 1 page overview of your design (a simple block diagram would suffice). The aim is to quickly summarize your design so emphasize important components and abstractions.



2. URL to your git repo: [https://github.com/Greatjian/CS\\_6650\\_distributed\\_system](https://github.com/Greatjian/CS_6650_distributed_system)

3. Two screenshots for step 4 showing correct execution and completion of the two specified tests
- 20 threads, 100 iterations



```
Run TestMyClient
~/Library/Java/JavaVirtualMachines/jdk1.8.0_144.jdk/Contents/Home/bin/java ... <1 internal calls>
Warmup phase:All threads running
processing time: 11019

Loading phase:All threads running
processing time: 9946

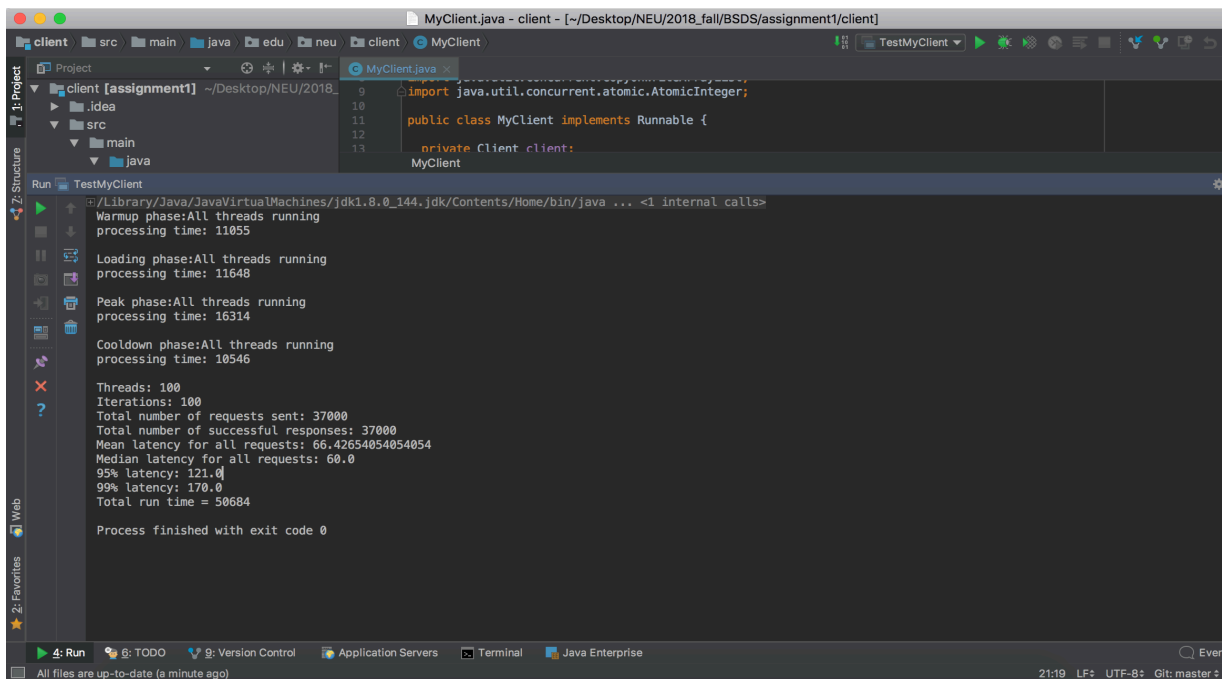
Peak phase:All threads running
processing time: 9803

Cooldown phase:All threads running
processing time: 9095

Threads: 20
Iterations: 100
Total number of requests sent: 7400
Total number of successful responses: 7400
Mean latency for all requests: 46.836756756756756
Median latency for all requests: 42.0
95% latency: 83.0
99% latency: 123.0
Total run time = 39942

Process finished with exit code 0
```

- 100 threads, 100 iterations



```
Run TestMyClient
~/Library/Java/JavaVirtualMachines/jdk1.8.0_144.jdk/Contents/Home/bin/java ... <1 internal calls>
Warmup phase:All threads running
processing time: 11055

Loading phase:All threads running
processing time: 11648

Peak phase:All threads running
processing time: 16314

Cooldown phase:All threads running
processing time: 10546

Threads: 100
Iterations: 100
Total number of requests sent: 37000
Total number of successful responses: 37000
Mean latency for all requests: 66.42654054054054
Median latency for all requests: 60.0
95% latency: 121.0
99% latency: 170.0
Total run time = 50684

Process finished with exit code 0
```

4. Two screenshots for step 5 showing correct execution and completion of the two specified tests against your EC2 server instance. If you use an additional tool like a spreadsheet, show the results in this in addition to the two screenshots showing the test running.
- same as above

5. Two screenshots for step 6 showing correct execution and completion of the two specified tests against your AWS Lambda server. If you use an additional tool like a spreadsheet, show the results in this in addition to the two screenshots showing the test running.
- o 20 threads, 100 iterations

The screenshot shows the IntelliJ IDEA IDE with the 'TestMyClient' test running. The 'Run' tab displays the following output:

```
Warmup phase:All threads running
processing time: 18362

Loading phase:All threads running
processing time: 9243

Peak phase:All threads running
processing time: 9526

Cooldown phase:All threads running
processing time: 8829

Threads: 20
Iterations: 100
Total number of requests sent: 7400
Total number of successful responses: 7400
Mean latency for all requests: 45.38621621621622
Median latency for all requests: 40.0
95% latency: 74.0
99% latency: 123.0
Total run time = 38830

Process finished with exit code 0
```

- o 100 threads, 100 iterations

The screenshot shows the IntelliJ IDEA IDE with the 'TestMyClient' test running. The 'Run' tab displays the following output:

```
Warmup phase:All threads running
processing time: 11082

Loading phase:All threads running
processing time: 12243

Peak phase:All threads running
processing time: 18031

Cooldown phase:All threads running
processing time: 9785

Threads: 100
Iterations: 100
Total number of requests sent: 37000
Total number of successful responses: 37000
Mean latency for all requests: 67.9727027027027
Median latency for all requests: 55.0
95% latency: 109.0
99% latency: 192.0
Total run time = 52220

Process finished with exit code 0
```