

Executed a client Program: **./client Testcases/TestCase2 5 127.0.0.1 8088**

Executed a server Program: **./server 8088**

with **Commands.txt** contains 1 3 4 5 6 7 (at each line)

In log/log_client.txt (Client Logs)

[2] open connection

[2] CHECKIN: 0 2

[2] UPDATE_AZLIST: 40

[2] GET_AZLIST: 0 0 1303 1012 1694 995 743 598 598 694 651 140 200 512 1023 705 679 1829 94 859 1990
971 1198 278 372 25 59 78

[2] GET_MAPPER_UPDATES: 0 40

[2] GET_ALL_UPDATES: 0 197

[2] CHECKOUT: 0 2

[2] close connection

[3] open connection

[3] CHECKIN: 0 3

[3] UPDATE_AZLIST: 40

[3] GET_AZLIST: 0 0 1318 1016 1716 1005 749 608 600 707 658 141 203 514 1036 711 685 1850 95 863 2011
983 1209 281 375 28 60 78

[3] GET_MAPPER_UPDATES: 0 40

[3] GET_ALL_UPDATES: 0 198

[3] CHECKOUT: 0 3

[3] close connection

[1] open connection

[1] CHECKIN: 0 1

[1] UPDATE_AZLIST: 40

[1] GET_AZLIST: 0 0 1329 1022 1731 1023 760 617 603 718 664 142 204 520 1047 727 695 1864 96 871 2029
990 1219 284 378 29 60 78

[1] GET_MAPPER_UPDATES: 0 40

[1] GET_ALL_UPDATES: 0 199

[1] CHECKOUT: 0 1

[1] close connection

[4] open connection

[4] CHECKIN: 0 4

[4] UPDATE_AZLIST: 40

[4] GET_AZLIST: 0 0 1345 1039 1754 1037 771 629 611 731 676 144 206 531 1062 735 701 1887 96 889 2067
1008 1234 291 385 29 62 80

[4] GET_MAPPER_UPDATES: 0 40

[4] GET_ALL_UPDATES: 0 200

[4] CHECKOUT: 0 4

[4] close connection

[5] open connection

[5] CHECKIN: 0 5

[5] UPDATE_AZLIST: 40

[5] GET_AZLIST: 0 0 1345 1039 1754 1037 771 629 611 731 676 144 206 531 1062 735 701 1887 96 889 2067
1008 1234 291 385 29 62 80
[5] GET_MAPPER_UPDATES: 0 40
[5] GET_ALL_UPDATES: 0 200
[5] CHECKOUT: 0 5
[5] close connection
[-1] open connection
[-1] CHECKIN: 1 -1
[-1] close connection
[-1] open connection
[-1] GET_AZLIST: 0 0 1345 1039 1754 1037 771 629 611 731 676 144 206 531 1062 735 701 1887 96 889
2067 1008 1234 291 385 29 62 80
[-1] close connection
[-1] open connection
[-1] GET_MAPPER_UPDATES: 1 0
[-1] close connection
[-1] open connection
[-1] GET_ALL_UPDATES: 0 200
[-1] close connection
[-1] open connection
[-1] CHECKOUT: 1 -1
[-1] close connection
[-1] wrong command

in the terminal (Server Logs)

server is listening
open connection from 127.0.0.1:31193
open connection from 127.0.0.1:31449
[1] CHECKIN
[2] CHECKIN
open connection from 127.0.0.1:31705
[3] CHECKIN
open connection from 127.0.0.1:31961
[4] CHECKIN
open connection from 127.0.0.1:32217
[5] CHECKIN
[2] GET_AZLIST
[3] GET_AZLIST
[2] GET_MAPPER_UPDATES
[1] GET_AZLIST
[3] GET_MAPPER_UPDATES
[2] GET_ALL_UPDATES
[1] GET_MAPPER_UPDATES
[3] GET_ALL_UPDATES
[2] CHECKOUT
close connection from 127.0.0.1:31449
[1] GET_ALL_UPDATES
[3] CHECKOUT
close connection from 127.0.0.1:31705

[4] GET_AZLIST
[1] CHECKOUT
close connection from 127.0.0.1:31193
[4] GET_MAPPER_UPDATES
[5] GET_AZLIST
[4] GET_ALL_UPDATES
[5] GET_MAPPER_UPDATES
[4] CHECKOUT
close connection from 127.0.0.1:31961
[5] GET_ALL_UPDATES
[5] CHECKOUT
close connection from 127.0.0.1:32217
open connection from 127.0.0.1:32473
[-1] CHECKIN
Mapper PID (-1) should be greater than 0
close connection from 127.0.0.1:32473
open connection from 127.0.0.1:32729
[-1] GET_AZLIST
close connection from 127.0.0.1:32729
open connection from 127.0.0.1:32985
[-1] GET_MAPPER_UPDATES
Mapper PID (-1) should be greater than 0
close connection from 127.0.0.1:32985
open connection from 127.0.0.1:33241
[-1] GET_ALL_UPDATES
close connection from 127.0.0.1:33241
open connection from 127.0.0.1:33497
[-1] CHECKOUT
Mapper PID (-1) should be greater than 0
close connection from 127.0.0.1:33497