

# Project 4 – Appendix

CSci 4061: Introduction to Operating Systems

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