Test 1

```
          >> list fjhdhjdkjh
          400 Invalid Command
          >> []
```

Test 2

```
    >> buy tejjeje
    403: Invalid Format or Stock Symbol      k
    Doesn't Exist
    >> []                                    >> [
```

Test 3

```
>>sell tekl
403: Invalid Format for BUY or SELL Command Arguments
```

Test 4

```
  400 Invalid Command
  >> buy tlsa 1 -3 1
  403: Invalid Format for BUY or SEL
  L Command Arguments
  >> []
```

Test 5

```
 400 Invalid Command
 >> lookup tlsa
 Found 1 match
 TLSA    1.0

 >> []
```

Test 6

```
200 OK
BOUGHT: New balance: 1 TLSA. USD
alance $97.0
>> look tlsa
400 Invalid Command
```

Test 7

```
200 OK
SOLD: New balance: 1.0 TLSA. USD b
alance $97.0
>> []
```

Test 8

```
>>buy tekl 3 1
200 OK
BOUGHT: New balance: 3 TEKL. USD balance $167.0
```

Test 9

```
>> sell tlsa 1 -3 1
403: Invalid Format for BUY or SEL
L Command Arguments
>> []
```

Test 10

```
>> sell ttlsa 4 5
403: User 3 does not own any stock
 with symbol: TTLSA
```

Test 11

```
200 OK
SOLD: New balance: 0.0 TLSA. USD b
alance $98.0
>> []
```

Test 12

```
alance $98.0
>> sell tlsa 5 3 1'
403: User 3 does not own any stock
 with symbol: TLSA
>> []
{} Python   3.10.10 64-bit (microsoft store)
```

Test 13

```
403: User 3 does not own any stock
 with symbol: TLSA
>> []
```

Test 14

```
403: User 3 does not own any stock
 with symbol: TLSA
>> buy mro 50 500 1
403: Insufficent Balance
>> []
```

Test 14

```
>> sell appl 100 40 1
403: User 3 does not own any stock
 with symbol: APPL
>> []
```

Test 15

```
200 OK
>> f
Server Shutdown
PS C:\Users\jaxon\OneDri
ments\GitHub\CIS-427-Pro

>> list
403: Not Logged In
>> []
```

Ln 26, Col 18   Spaces:

Test 16

```
>>quit
Client Closed
```

Test 17

```
>> buy tlsa 1 2 2
200 OK
BOUGHT: New balance: 1 TLSA. US
D balance $98.0
>> list
200 OK
```

Test 18

Test 19

```
>> lookup tlsa
Found 1 match
TLSA    1.0

>> []
```

Test 20

```
TESA    1.0

>> Deposit 200
deposit successfully, New Balan
ce $298.0
>> []
```

Test 21

```
>>deposit 90.sd
403: Deposit amount must be a number
```

Test 22

```
ments\GitHub\CIS-427-Project-1>
Received: LIST (Not Logged In C
ase)                              >> list
                                  403: Not Logged In
Recieved Login Request            >> login Root Root01
                                  200 OK
[]                                >> []
```

Test 23

```
*  History restored
.py 10.20.187.6427-Project-1>
>> login Root Root01
403: Already Logged In On a Diffe
rent Client
>> login root root92
403: Invalid User Name or Passwor
d
>> []
```

Test 24

```
PS C:\Users\jaxon\OneDrive\Docume
nts\GitHub\CIS-427-Project-1>

*  History restored
.py 10.20.187.6427-Project-1>
>> login Root Root01
403: Already Logged In On a Diffe
rent Client
>> []

{} Python   3.10.10 64-bit (microsoft store)
```

Test 25

```
root@c2f57275e0fe:/project# python3 client.py 172.17.0.2 python3 client.py
172.17.0.2
>>quit
Client Closed
```

Test 26

```
                                    403: Not Logged In          d
Recieved Login Request              >> login Root Root01         >> login John John01
                                    200 OK                       200 OK
[]                                  >> []                        >> []
```

Test 27

```
    >> list
    200 OK
    1          TLSA 1.0 Root
    1          FJK 1.0 John

    >> []
```

Test 28

```
>> login John John01
200 OK
>> list
200 OK
The list of records in the Crypto
database for John:
        User does not own any stoc
k

>> []
```

Test 29

```
        >> login John John01
        200 OK
        >> logout
        200 OK
        >> []
```

Test 31

```
>> Who
The list of active users:
Root    10.20.187.6

>> []
```

Test 32

```
>> Who
403: Not Authorized to Issue T
his Command
>> 
```

Test 33

```
root@c2f57275e0fe:/project# python3 server.py

 
```

```
root@c2f57275e0fe:/project# python3 client.py 172.17.0.2 py
thon3 client.py 172.17.0.2
>>test
400 Invalid Message
>> 
```

```
root@c2f57275e0fe:/project# python3 client.py 172.17.0.2
>>test
400 Invalid Command
>> 
```

```
root@c2f
>>test
400 Inva
>> 
```

```
17.0.2
```

```
root@c2f57275e0fe:/project# python3 client.py 172.17.0.2
>>test
400 Invalid Command
>> 
```

```
root@c2f57275e0fe:/project# python3 client.py 172.17.0.2
>>test
 
```

Test 34

```
>> lookup appl
404: Your search did not match
   any records.
>> 
```