

Part2: Implementation with gRPC and Built in Thread Pool output file

An output file showing sample output or screenshots to indicate that the program works

Output for method Query(ItemName)

1. Run the server on edlab machine using python3

```
eInux2 part2) > vi toystore_server.py
eInux2 part2) > cd ..
eInux2 part3) > cd part3
-bash: cd: part3: No such file or directory
eInux2 part3) > cd part2
eInux2 part2) > vi toystore_server.py
eInux2 part2) > cd ..
eInux2 part3) > cd ..
eInux2 src) > cd part2
eInux2 part2) > python3 toystore_server.py
```

2. Run the client in local machine
 - a. Provide the number of clients as 4
 - b. Provide the method as Query(case-sensitive)
 - c. Following output will be displayed in the client machine:

```
susmita@ubuntu-SUSmita:~/Documents/CS677/lab1-spring22-rpc-susmita-muni/src/part2$ py
thon3 master_toystore_client.py
Please provide number of clients: 4
Do you want to Query or Buy an item: Query
Item does not exist
Price 11.989999771118164
Stock 3
Item does not exist
Item does not exist
Item does not exist
Price 8.989999771118164
Stock 1
Price 5.989999771118164
Stock 2
Price 11.989999771118164
Stock 1
Item does not exist
Price 5.989999771118164
Stock 2
Price 11.989999771118164
Stock 1
Price 11.989999771118164
Stock 3
Price 5.989999771118164
Stock 2
Price 8.989999771118164
Stock 1
Price 8.989999771118164
Stock 1
Item does not exist
Price 5.989999771118164
Stock 2
Item does not exist
Price 5.989999771118164
Stock 2
Price 5.989999771118164
Stock 2
Price 5.989999771118164
Stock 2
Price 11.989999771118164
Stock 3
Item does not exist
Price 11.989999771118164
Price 11.989999771118164
Stock 1
```

Part2: Implementation with gRPC and Built in Thread Pool output file

Output for method Buy(ItemName)

1. Run the server on edlab machine using python3

```
elinux2 part2) > vi toystore_server.py
elinux2 part2) > cd ..
elinux2 part3) > cd part3
-bash: cd: part3: No such file or directory
elinux2 part3) > cd part2
elinux2 part2) > vi toystore_server.py
elinux2 part2) > cd ..
elinux2 part3) > cd ..
elinux2 src) > cd part2
elinux2 part2) > python3 toystore_server.py
```

2. Run the client
 - a. Provide the number of clients as 3
 - b. Provide the method as Buy(case-sensitive)
 - c. Following output will be displayed in the client machine:

```
susmita@ubuntu-SUsmi:~/Documents/CS677/lab1-spring22-rpc-susmita-muni/src/part2$ py
thon3 master_toystore_client.py
Please provide number of clients: 3
Do you want to Query or Buy an item: Buy
Buy response 1
Buy response 1
Buy response 1
Buy response 1
Buy response -1
Buy response 0
Buy response -1
Buy response 1
Buy response -1
Buy response 1
Buy response 0
Buy response 0
Buy response 0
Buy response 0
Buy response 0
Buy response 0
Buy response 0
Buy response 1
Buy response 0
Buy response 0
Buy response -1
Buy response 0
Buy response 0
Buy response -1
Buy response 0
Buy response -1
Buy response -1
Buy response 0
Buy response -1
Buy response 0
susmita@ubuntu-SUsmi:~/Documents/CS677/lab1-spring22-rpc-susmita-muni/src/part2$
```