## Test Case Design for MyBook.com Project.

Test case1: Clock Synchronization between 2 front end servers and leader front end server.

```
Terminal File Edit View Search Terminal Help

Sorver Running

FE Server Running

Correction in system time calculated is: 294751

Correction in system time calculated is: 315583

Correction in system time calculated is: 317418

Correction in system time calculated is: 294674

Correction in system time calculated is: 233127

Correction in system time calculated is: 233128

Corre
```

The above screen shot showing the correction calculated in nanoseconds.

Test case1: If we give any other service option than the one specified. Then the client simply exits normally.

```
Welcome to BookStore.

Please enter your service option

choice service

1 search by topic

2 lookup by bookId

3 order by bookId

4 Report number of requests by service

5 how many orders are good

6 how many orders failed

7 Average performance time per service

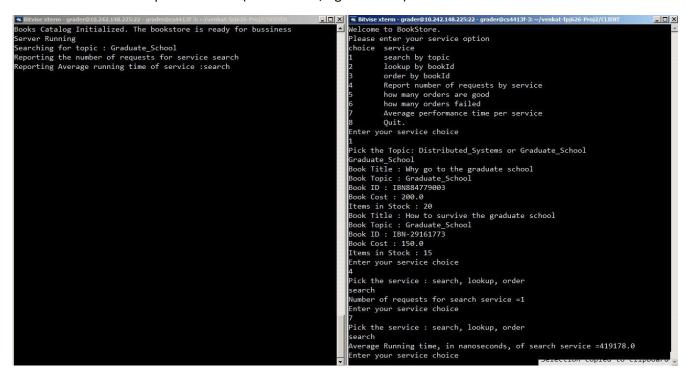
8 Quit.

Enter your service choice

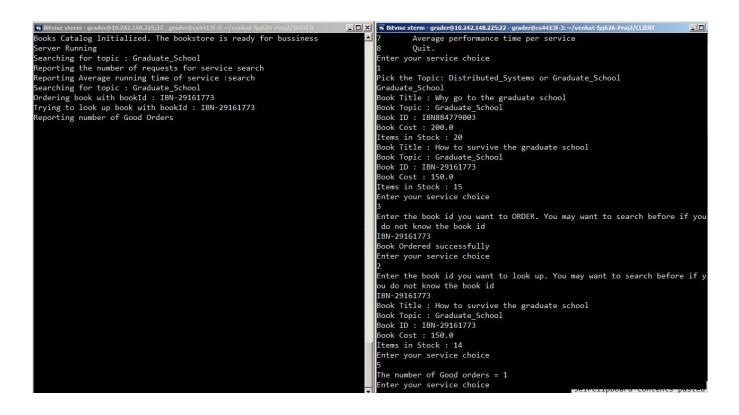
9

grader@cs4413f-3:~/venkat-fpj626-Proj2/CLIENT$
```

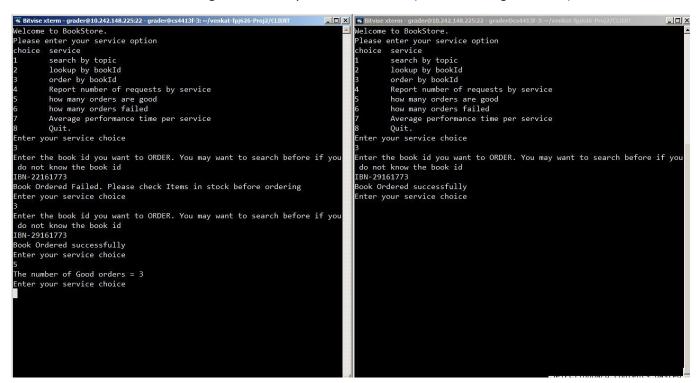
Test case2: We check the search service functionality. A normal test case that expects appropriate behavior because the inputs are valid. (left is server, right is client)



Test case3: We order a book and observe an increase in good orders and decrease in number of items in stock. (left is server, right is client)



Test case4: Simultaneous ordering same book by 2 or more clients. (left: client1, right: client2)



Test case5: Enter wrong Bookld while ordering. Application shows appropriate error message:

```
🛪 Bitvise xterm - grader@10.242.148.225:22 - grader@cs4413f-3: ~/venkat-fpj626-Proj2/CLIE/IT
Welcome to BookStore.
Please enter your service option
choice service
        search by topic
        lookup by bookId
        order by bookId
        Report number of requests by service
        how many orders are good
        how many orders failed
        Average performance time per service
        Quit.
Enter your service choice
Enter the book id you want to ORDER. You may want to search before if you
do not know the book id
IBN-22161773
Book Ordered Failed. Please check Items in stock before ordering
Enter your service choice
```