

An-Najah National University
Department of Computer Engineering
Distributed Operation Systems - 10636456
Lab #1 - Result

Project – part 1: Bazar.com

A Multi-tier Online Book Store

Students:

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Here is the result of the project we covered all the possible scenarios we can get, as you can see in these images:

Enter an unavailable value or wrong data type (unaccepted)

```
Choose a service: 1-Search, 2-Info, 3-Purchase, 4-Exit
5
Choose a service: 1-Search, 2-Info, 3-Purchase, 4-Exit
aa
Invalid input. Please enter a number.
```

To search for specific book topics (case insensitive) (enter an unavailable value or wrong data type (unaccepted))

```
Choose a service: 1-Search, 2-Info, 3-Purchase, 4-Exit
1
Enter the topic you want to search for:
111
Performing search for topic: 111
No results found for the search topic: 111
Choose a service: 1-Search, 2-Info, 3-Purchase, 4-Exit
1
Enter the topic you want to search for:
aaa
Performing search for topic: aaa
No results found for the search topic: aaa
Choose a service: 1-Search, 2-Info, 3-Purchase, 4-Exit
1
Enter the topic you want to search for:
distributed systems
Performing search for topic: distributed systems
Search results:
[id='1', title='How to get a good grade in DOS in 40 minutes a day']
[id='2', title='RPCs for Noobs']
Choose a service: 1-Search, 2-Info, 3-Purchase, 4-Exit
1
Enter the topic you want to search for:
Distributed Systems
Performing search for topic: distributed systems
Search results:
[id='1', title='How to get a good grade in DOS in 40 minutes a day']
[id='2', title='RPCs for Noobs']
```

Info to get specific book ID information (enter an unavailable value or wrong data type (unaccepted))

```
Choose a service: 1-Search, 2-Info, 3-Purchase, 4-Exit
2
Enter the book id (1 to 4):
8
Displaying info for book with id: 8
There is no book with ID = 8
Choose a service: 1-Search, 2-Info, 3-Purchase, 4-Exit
2
Enter the book id (1 to 4):
aaa
Invalid input. Please enter a number.
Enter the book id (1 to 4):
3
Displaying info for book with id: 3
[id=3, topic='undergraduate school', title='Xen and the Art of Surviving Undergraduate School.', price=30, quantity=8]
```

Purchase to order by specifying book ID (enter an unavailable value or wrong data type (unaccepted))

```
Choose a service: 1-Search, 2-Info, 3-Purchase, 4-Exit
3
Enter the book id (1 to 4):
aa
Invalid input. Please enter a number.
Enter the book id (1 to 4):
7
Processing purchase for book with id: 7
There is no book with ID = 7
Choose a service: 1-Search, 2-Info, 3-Purchase, 4-Exit
3
Enter the book id (1 to 4):
3
Processing purchase for book with id: 3
Purchase done successfully! The order id = 69
Choose a service: 1-Search, 2-Info, 3-Purchase, 4-Exit
3
Enter the book id (1 to 4):
2
Processing purchase for book with id: 2
The item is out of stock
```

To exit the program

```
Choose a service: 1-Search, 2-Info, 3-Purchase, 4-Exit
4
Exit
```