

## 1. Create test order book

The screenshot shows a REST client interface with the following details:

- Method:** GET
- URL:** http://localhost:8080/orderbook/test
- Authorization:** Inherit auth from parent
- Status:** 200 OK
- Time:** 199 ms
- Size:** 149 B
- Body:** Order book created successfully!

## 2. Add order 1.

The screenshot shows a REST client interface with the following details:

- Method:** POST
- URL:** http://localhost:8080/orderbook/test/createOrder
- Body Type:** raw (JSON (application/json))
- Request Body:**

```
{
  "orderQuantity": "2",
  "price": "100"
}
```
- Status:** 201 Created
- Time:** 147 ms
- Size:** 237 B
- Response Body:**

```
{
  "orderid": 1,
  "orderQuantity": 2,
  "price": 100,
  "orderType": "LIMIT",
  "executedQuantity": 0,
  "completed": false
}
```

## 3. Add 5 more orders ( 3 limit and 2 market orders).

## 4. Call get orders to check list of order.

GET http://localhost:8080/orderbook/test/getOrders Params Send Save ent's authorization

generated when you send the request. [Learn more about authorization](#)

Body Cookies Headers (3) Test Results Status: 200 OK Time: 31 ms Size: 766 B

Pretty Raw Preview

```
[{"orderid":1,"orderQuantity":2,"price":100,"orderType":"LIMIT","executedQuantity":0,"completed":false},
{"orderid":2,"orderQuantity":3,"price":110,"orderType":"LIMIT","executedQuantity":0,"completed":false},
{"orderid":3,"orderQuantity":6,"price":90,"orderType":"LIMIT","executedQuantity":0,"completed":false},
{"orderid":4,"orderQuantity":10,"price":99,"orderType":"LIMIT","executedQuantity":0,"completed":false},
{"orderid":5,"orderQuantity":1,"price":null,"orderType":"MARKET_ORDERS","executedQuantity":0,"completed":false},
{"orderid":6,"orderQuantity":2,"price":null,"orderType":"MARKET_ORDERS","executedQuantity":0,"completed":false}]
```

## 5. Execute Order. Exception is thrown because order book is still open.

POST http://localhost:8080/orderbook/test/execute Params Send Save

Authorization Headers (1) Body Pre-request Script Tests Cookies Code

form-data x-www-form-urlencoded raw binary JSON (application/json)

```
1 {
2   "executionQuantity": "4",
3   "executionPrice": "100"
4 }
5 }
```

Body Cookies Headers (4) Test Results Status: 400 Bad Request Time: 45 ms Size: 6.69 KB

Pretty Raw Preview JSON

```
1 {
2   "timestamp": "2019-05-06T18:37:27.890+0000",
3   "status": 400,
4   "error": "Bad Request",
5   "message": "Cannot Execute open order book.",
6   "trace": "com.app.ordermanagement.exception.OrderBookOpenException: Cannot Execute open order book.\n\tat com.app.ordermanagement.model
    .OrderBook.validate(OrderBook.java:92)\n\tat com.app.ordermanagement.model.OrderBook.processExecution(OrderBook.java:172)\n\tat com.app
```

## 6. Close order book

GET http://localhost:8080/orderbook/test/close Params Send Save

Authorization Headers (1) Body Pre-request Script Tests Cookies Code

TYPE

Inherit auth from parent

This request is not inheriting any authorization helper at the moment. Save it in a collection to use the parent's authorization helper.

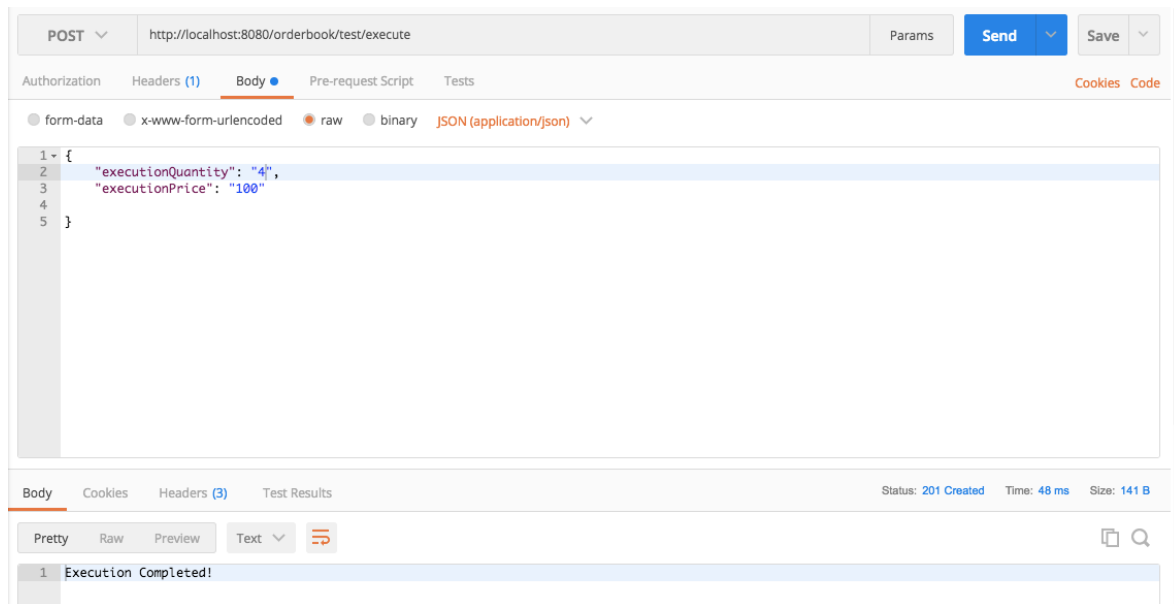
The authorization header will be automatically generated when you send the request. [Learn more about authorization](#)

Body Cookies Headers (3) Test Results Status: 200 OK Time: 33 ms Size: 134 B

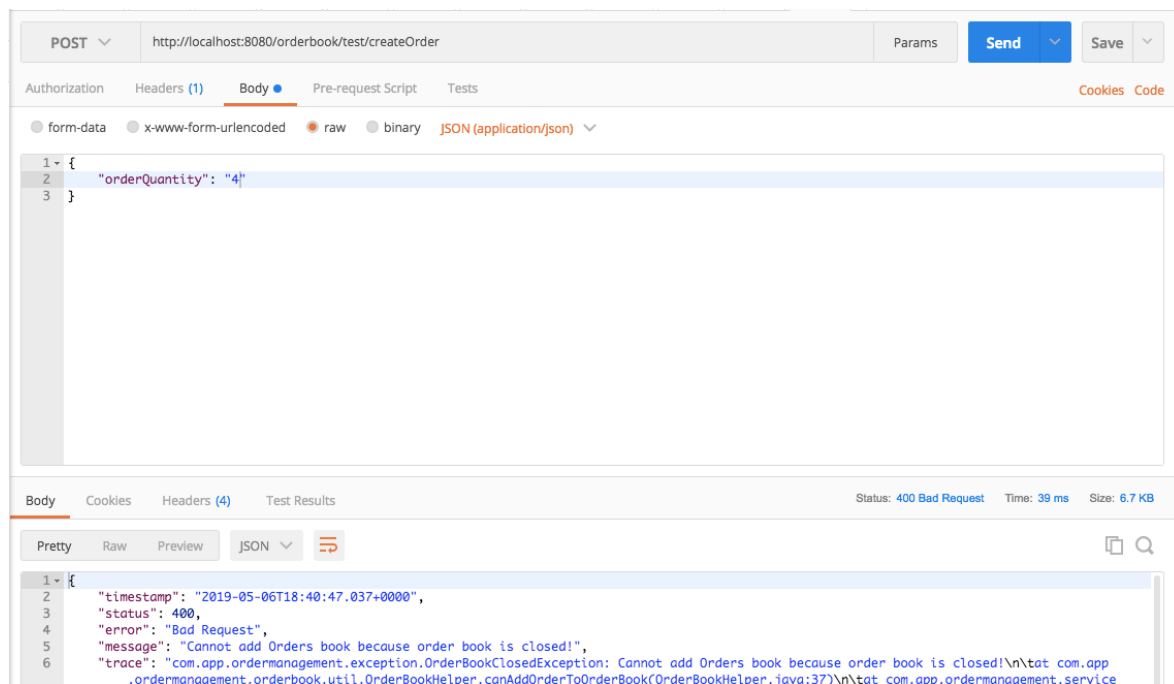
Pretty Raw Preview Text

```
1 Order book closed!
```

## 7. Execute order. Now order execution will be success.

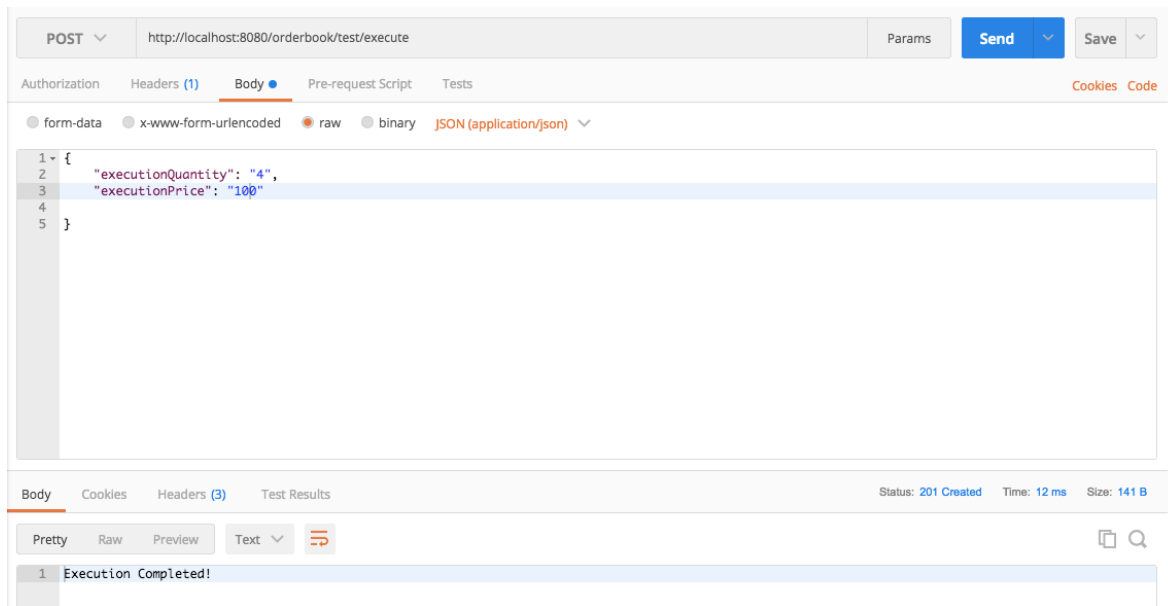


8. Add order. Add order will fail because order book is close.

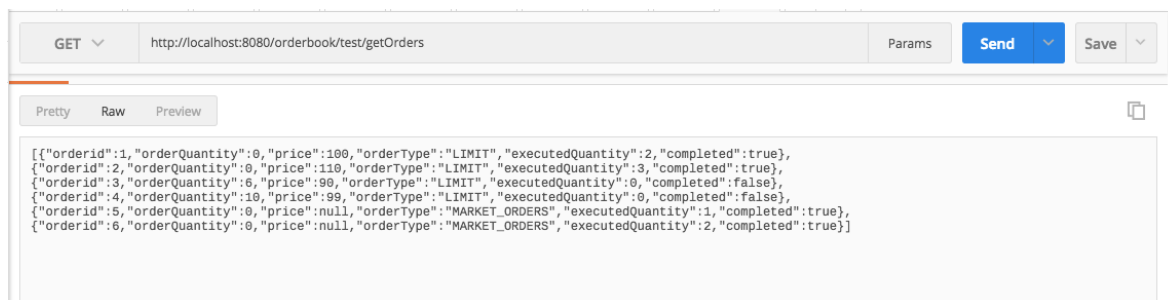


9. Call get orders. 4 quantity is executed from four valid orders(execution of step 7).

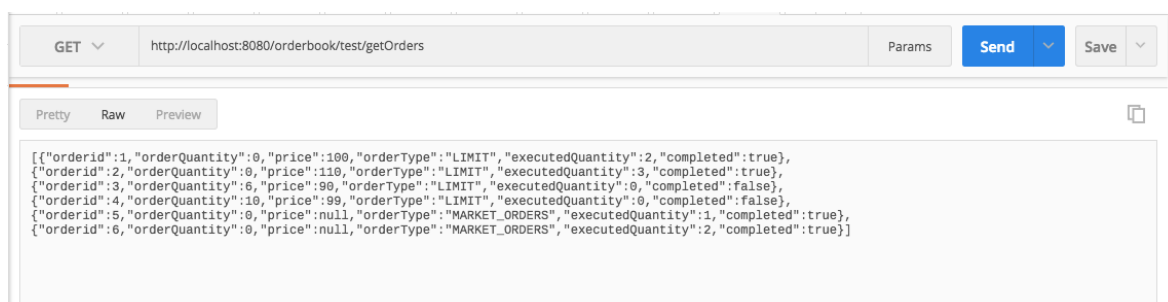




13. Call get order. All valid orders are completed because total demand of 8 is executed. LIMIT orders with price <100 are not executed. Remaining Market and limit orders are completed.



14. Execute order. Execution will fail because demand is zero.



15. Get order details using order id. Following limit order is invalid order and hence its not completed.

GET http://localhost:8080/orderbook/test/getOrderDetails/3 Params Send Save

Authorization Headers (1) Body Pre-request Script Tests Cookies Code

TYPE  
Inherit auth from parent  
The authorization header will be automatically generated when you send the request. [Learn more about authorization](#)

This request is not inheriting any authorization helper at the moment. Save it in a collection to use the parent's authorization helper.

Body Cookies Headers (3) Test Results Status: 200 OK Time: 45 ms Size: 231 B

Pretty Raw Preview JSON

```
1 {  
2   "orderid": 3,  
3   "orderQuantity": 6,  
4   "price": 90,  
5   "orderType": "LIMIT",  
6   "executedQuantity": 0,  
7   "completed": false  
8 }
```

## 16. Shutdown application using actuator

```
curl -X POST localhost:8080/actuator/shutdown
```

```
MacBook-Air:~ ajaysharma$ curl -X POST localhost:8080/actuator/shutdown  
{"message":"Shutting down, bye..."}MacBook-Air:~ ajaysharma$
```

## 17. Check health of application. Link should be unreachable.

localhost:8080/actuator/health

This site can't be reached

localhost refused to connect.

Try:

- Checking the connection
- Checking the proxy and the firewall

ERR\_CONNECTION\_REFUSED

Details Reload