

# AU SpringMVC Assignment

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## Order Management System

1. Create Spring boot project with MVC architecture in place (All layers should be well defined)
2. Create below API's for ordering system
  - a) POST API to Create an Order
  - b) POST API to Add items in an Order
  - c) PUT API to Update Item details
  - d) GET API to Get all the Item details in an Order
  - e) DELETE API to Delete an Item in an Order

### Create Order

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

- Method:** POST
- URL:** http://localhost:8080/orders
- Buttons:** Send, Save
- Tabs:** Params, Authorization, Headers (8), Body, Pre-request Script, Tests, Settings, Cookies, Code
- Query Params:** A table with columns KEY, VALUE, and DESCRIPTION. It contains one entry: Key, Value, Description.
- Body:** A tab showing the response body in JSON format: 

```
{  "order_id": 2,  "items": []}
```
- Status:** 200 OK, Time: 70 ms, Size: 189 B
- Buttons:** Save Response

### Add Item to Order

POST http://localhost:8080/additem?id=1 Send Save

Params ● Authorization Headers [8] **Body** ● Pre-request Script Tests Settings Cookies Code

● none ● form-data ● x-www-form-urlencoded ● raw ● binary ● GraphQL JSON ▼ Beautify

```
1 {
2   "item_id":102,
3   "quantity":4
4 }
```

Body Cookies Headers [5] Test Results 🌐 Status: 200 OK Time: 103 ms Size: 200 B Save Response ▼

Pretty Raw Preview Visualize Text ↺ 🔍

1 OrderItem created and added to order

## View All orders and items

GET http://localhost:8080/item?id=1 Send Save

Params ● Authorization Headers [6] Body Pre-request Script Tests Settings Cookies Code

Body Cookies Headers [5] Test Results 🌐 Status: 200 OK Time: 20 ms Size: 257 B Save Response ▼

Pretty Raw Preview Visualize JSON ↺ 🔍

```
1 [
2   {
3     "orderid_id": 2,
4     "item_id": 101,
5     "quantity": 3
6   },
7   {
8     "orderid_id": 3,
9     "item_id": 102,
10    "quantity": 4
11  }
12 ]
```

## Update Item

PUT

http://localhost:8080/updateItem?id=1&orderid=2

Send

Save

Params

Authorization

Headers [8]

Body

Pre-request Script

Tests

Settings

Cookies

Code

Query Params

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input checked="" type="checkbox"/>	id	1			
<input checked="" type="checkbox"/>	orderid	2			

Body

Cookies

Headers [5]

Test Results

Status: 200 OK

Time: 143 ms

Size: 184 B

Save Response

Pretty

Raw

Preview

Visualize

Text

1

updated successfully

## Delete Item from order

DELETE

http://localhost:8080/deleteItem?id=1

Send

Save

Params

Authorization

Headers [6]

Body

Pre-request Script

Tests

Settings

Cookies

Code

Body

Cookies

Headers [5]

Test Results

Status: 200 OK

Time: 179 ms

Size: 170 B

Save Response

Pretty

Raw

Preview

Visualize

Text

1

deleted