

Online Book Store API Scenarios

Prerequisites: Please refer to the **README.md** file (attached in the email and in the shared google drive link) to run the Online book store API

Swagger UI home Page

- After running the `online-book-store.jar` / docker image, you can access the Swagger UI using the following link <http://localhost:8888/book-api-consumer-ui.html>

The screenshot shows the Swagger UI interface. At the top, it says "OpenAPI definition" with a "v0" badge and a "0A53" badge. Below this, there's a "Servers" section with a dropdown menu showing "http://localhost:8888 - Generated server url". The main content area is divided into two sections: "book-controller" and "checkout-controller". The "book-controller" section lists five endpoints: GET /v1/book/{isbn}, PUT /v1/book/{isbn}, DELETE /v1/book/{isbn}, GET /v1/book, and POST /v1/book. The "checkout-controller" section lists one endpoint: POST /v1/checkout/order. At the bottom, there's a "Schemas" section.

OpenAPI definition v0 0A53
/book-api-specs

Servers
http://localhost:8888 - Generated server url

book-controller ⌵

- GET** /v1/book/{isbn}
- PUT** /v1/book/{isbn}
- DELETE** /v1/book/{isbn}
- GET** /v1/book
- POST** /v1/book

checkout-controller ⌵

- POST** /v1/checkout/order

Schemas ⌵

Add Book

- Post HTTP Method
- Request Body

```
{  
  "isbn": "123-456-789",  
  "name": "Java",  
  "description": "Java 8",  
  "price": 100,  
  "authors": [  
    {  
      "id": 1,  
      "name": "sameh",  
      "email": "ssayed7190@gmail.com"  
    }  
  ],  
  "classification": {  
    "code": "PROGRAMMING",  
    "name": "Programming"  
  }  
}
```

- Request SS from Swagger UI

POST /v1/book

Parameters Cancel

No parameters

Request body required application/json

```
{  
  "isbn": "123-456-789",  
  "name": "Java",  
  "description": "Java 8",  
  "price": 100,  
  "authors": [  
    {  
      "id": 1,  
      "name": "sameh",  
      "email": "ssayed7190@gmail.com"  
    }  
  ],  
  "classification": {  
    "code": "PROGRAMMING",  
    "name": "Programming"  
  }  
}
```

Execute Clear

- Response
 - o curl

```
curl -X POST "http://localhost:8888/v1/book" -H "accept: application/json" -H "Content-Type: application/json" -d '{"isbn":"123-456-789","name":"Java","description":"Java 8","price":100,"authors":[{"id":1,"name":"sameh","email":"ssayed7190@gmail.com"}],"classification":{"code":"PROGRAMMING","name":"Programming"}}'
```

- o Request URL

```
http://localhost:8888/v1/book
```

- Response SS from Swagger UI

Responses

Curl

```
curl -X POST "http://localhost:8888/v1/book" -H "accept: application/json" -H "Content-Type: application/json" -d '{"isbn":"123-456-789","name":"Java","description":"Java 8","price":100,"auth
```

Request URL

```
http://localhost:8888/v1/book
```

Server response

Code
Details

201

Response body

```
{
  "isbn": "123-456-789",
  "name": "Java",
  "description": "Java 8",
  "price": 100,
  "authors": [
    {
      "id": 1,
      "name": "sameh",
      "email": "ssayed7190@gmail.com"
    }
  ],
  "classification": {
    "code": "PROGRAMMING",
    "name": "Programming"
  }
}
```

Download

Response headers

```
connection: keep-alive
content-type: application/json
date: Mon, 07 Jun 2021 23:06:13 GMT
keep-alive: timeout=60
transfer-encoding: chunked
vary: Origin,Access-Control-Request-Method,Access-Control-Request-Headers
```

Responses

Code	Description	Links
201	Created	No links

Get Book

- Get HTTP method where ISBN=123-456-789
- Request SS from Swagger API

book-controller

GET /v1/book/{isbn}

Parameters Cancel

Name	Description
isbn * required string (path)	<input type="text" value="123-456-789"/>

Execute Clear

- Response
 - o Curl

```
curl -X GET "http://localhost:8888/v1/book/123-456-789" -H "accept: application/json"
```

- o Request URL

```
http://localhost:8888/v1/book/123-456-789
```

Responses

Curl

```
curl -X GET "http://localhost:8888/v1/book/123-456-789" -H "accept: application/json"
```

Request URL

```
http://localhost:8888/v1/book/123-456-789
```

Server response

Code	Details
200	<p>Response body</p> <pre>{ "isbn": "123-456-789", "name": "Java", "description": "Java 8", "price": 100, "authors": [{ "id": 1, "name": "sameh", "email": "ssayed7190@gmail.com" }], "classification": { "code": "PROGRAMMING", "name": "Programming" } }</pre> <p>Response headers</p> <pre>connection: keep-alive content-type: application/json date: Mon, 07 Jun 2021 23:10:54 GMT keep-alive: timeout=60 transfer-encoding: chunked vary: Origin,Access-Control-Request-Method,Access-Control-Request-Headers</pre> <p>Download</p>

Responses

Code	Description	Links
200	OK	No links

Update Book

- Put HTTP method where ISBN=123-456-789
- Request Body

```
{  
  "name": "Java 8 with Spring boot",  
  "description": "Java 8 with Spring boot",  
  "price": 100,  
  "authors": [  
    {  
      "id": 1,  
      "name": "sameh",  
      "email": "ssayed7190@gmail.com"  
    }  
  ],  
  "classification": {  
    "code": "PROGRAMMING",  
    "name": "Programming"  
  }  
}
```

- Request SS from Swagger

PUT /v1/book/{isbn}

Parameters Cancel

Name	Description
isbn * required string (path)	123-456-789

Request body required application/json

```
{
  "name": "Java 8 with Spring boot",
  "description": "Java 8 with Spring boot",
  "price": 100,
  "authors": [
    {
      "id": 1,
      "name": "sameh",
      "email": "ssayed7190@gmail.com"
    }
  ],
  "classification": {
    "code": "PROGRAMMING",
    "name": "Programming"
  }
}
```

Execute

- Response

- o Curl

```
curl -X PUT "http://localhost:8888/v1/book/123-456-789" -H "accept: application/json" -H "Content-Type: application/json" -d "{\"name\":\"Java 8 with Spring boot\",\"description\":\"Java 8 with Spring boot\",\"price\":100,\"authors\":[{\"id\":1,\"name\":\"sameh\",\"email\":\"ssayed7190@gmail.com\"}],\"classification\":{\"code\":\"PROGRAMMING\",\"name\":\"Programming\"}}"
```

- o Request URL

```
http://localhost:8888/v1/book/123-456-789
```

- Response SS from Swagger

Responses

Curl

```
curl -X PUT "http://localhost:8888/v1/book/123-456-789" -H "accept: application/json" -H "Content-Type: application/json" -d '{"name":"Java 8 with Spring boot","description":"Java 8 with Spring boot","price":100,"authors":[{"id":1,"name":"sameh","email":"ssayed719@gmail.com"}],"classification":{"code":"PROGRAMMING","name":"Programming"}'}
```

Request URL

http://localhost:8888/v1/book/123-456-789

Server response

Code	Details
200	<p>Response body</p> <pre>{ "isbn": "123-456-789", "name": "Java 8 with Spring boot", "description": "Java 8 with Spring boot", "price": 100, "authors": [{ "id": 1, "name": "sameh", "email": "ssayed719@gmail.com" }], "classification": { "code": "PROGRAMMING", "name": "Programming" } }</pre> <p>Response headers</p> <pre>connection: keep-alive content-type: application/json date: Mon, 07 Jun 2021 23:15:57 GMT keep-alive: timeout=60 transfer-encoding: chunked vary: Origin,Access-Control-Request-Method,Access-Control-Request-Headers</pre>

Responses

Code	Description	Links
200	OK	No links

Delete Book

- Delete HTTP method where ISBN=123-456-789
- Request URL

- http://localhost:8888/v1/book/123-456-789

- Request SS from Swagger

DELETE /v1/book/{isbn}

Parameters

Name	Description
isbn * required string (path)	123-456-789

Cancel

- Response
 - o Curl

```
curl -X DELETE "http://localhost:8888/v1/book/123-456-789" -H "accept: */*"
```


- o Request URL

```
http://localhost:8888/v1/book/123-456-789
```

- Response SS from Swagger

Responses

Curl

```
curl -X DELETE "http://localhost:8888/v1/book/123-456-789" -H "accept: */*" 
```

Request URL

```
http://localhost:8888/v1/book/123-456-789
```

Server response

Code	Details
204	<div><div>Response headers</div><div><pre>connection: keep-alive date: Mon, 07 Jun 2021 23:18:47 GMT keep-alive: timeout=60 vary: Origin,Access-Control-Request-Method,Access-Control-Request-Headers</pre></div></div>

Responses

Code	Description	Links
204	No Content	No links

Checkout order operation where Promotion code SALE30

- Please refer to (src/main/resources/import.sql) file in the code repo to view the relation between promotions and classification and their values.

- Request body

```
[
{
  "isbn": "123-456-789",
  "name": "Java",
  "description": "Java 8",
  "price": 100,
  "classification": {
    "code": "PROGRAMMING",
    "name": "Programming"
  }
}
]
```

- Request SS from Swagger

The screenshot shows the Swagger UI for the `checkout-controller`. The endpoint is `POST /v1/checkout/order`. Under the `Parameters` tab, there is a query parameter `promotionCode` of type `string` with the value `SALE30` entered. The `Request body` tab is selected, showing a required `application/json` body. The JSON body is a list containing one object with the following structure: `{ "isbn": "123-456-789", "name": "Java", "description": "Java 8", "price": 100, "classification": { "code": "PROGRAMMING", "name": "Programming" } }`. At the bottom, there are `Execute` and `Clear` buttons.

checkout-controller

POST /v1/checkout/order

Parameters

Cancel

Name	Description
promotionCode	

string (query)

SALE30

Request body required

application/json

```
[
{
  "isbn": "123-456-789",
  "name": "Java",
  "description": "Java 8",
  "price": 100,
  "classification": {
    "code": "PROGRAMMING",
    "name": "Programming"
  }
}
]
```

Execute Clear

- Response
 - o Curl

```
curl -X POST "http://localhost:8888/v1/checkout/order?promotionCode=SALE30" -H "accept: application/json" -H "Content-Type: application/json" -d "[{"isbn":"123-456-789","name":"Java","description":"Java 8","price":100,"classification":{"code":"PROGRAMMING","name":"Programming"}}]"
```

- o request URL

```
http://localhost:8888/v1/checkout/order?promotionCode=SALE30
```

- Response SS from Swagger

Responses

Curl

```
curl -X POST "http://localhost:8888/v1/checkout/order?promotionCode=SALE30" -H "accept: application/json" -H "Content-Type: application/json" -d "[{"isbn":"123-456-789","name":"Java","description":"Java 8","price":100,"classification":{"code":"PROGRAMMING","name":"Programming"}}]"
```

Request URL

```
http://localhost:8888/v1/checkout/order?promotionCode=SALE30
```

Server response

Code	Details
200	<p>Response body</p> <pre>{ "totalPrice": 70 }</pre> <p>Response headers</p> <pre>connection: keep-alive content-type: application/json date: Mon, 07 Jun 2021 23:23:04 GMT keep-alive: timeout=60 transfer-encoding: chunked vary: Origin,Access-Control-Request-Method,Access-Control-Request-Headers</pre>

Responses

Code	Description	Links
200	OK	No links