Books API and Issuer API

1. add Book

POST	∨	http://localhost:8080/book ...

Params   Authorization   Headers (8)   Body ●   Pre-request Script   Tests   Setting

⬤ none   ⬤ form-data   ⬤ x-www-form-urlencoded   🔴 raw   ⬤ binary   ⬤ GraphQL   J

```
1   {
2   "title":"Microservices Architect 3",
3   "publishedDate":"08-01-2007",
4   "totalCopies":"10",
5   "issuedCopies":"0",
6   "author":"Author 3"
7
8   }
```

Body   Cookies   Headers (5)   Test Results

Pretty   Raw   Preview   Visualize   JSON ∨   ⇄

```
1   {
2       "isbn": 3,
3       "title": "Microservices Architect 3",
4       "publishedDate": "08-01-2007",
5       "totalCopies": 10,
6       "issuedCopies": 0,
7       "author": "Author 3"
8   }
```

2. /books - get all books

GET ▾	http://localhost:8080/books

Params   Authorization   Headers (6)   Body   Pre-request Script   Tests   Settings

Query Params

	KEY	VALUE

Body   Cookies   Headers (5)   Test Results

Pretty   Raw   Preview   Visualize   JSON ▾

```
 1   {
 2       "books": [
 3           {
 4               "isbn": 1,
 5               "title": "Microservices Architect",
 6               "publishedDate": "08-01-2007",
 7               "totalCopies": 10,
 8               "issuedCopies": 0,
 9               "author": "Author 1"
10           },
11           {
12               "isbn": 2,
13               "title": "Microservices Architect 2",
14               "publishedDate": "08-01-2007",
15               "totalCopies": 10,
16               "issuedCopies": 0,
17               "author": "Author 2"
18           },
19           {
20               "isbn": 3,
21               "title": "Microservices Architect 3",
22               "publishedDate": "08-01-2007",
23               "totalCopies": 10,
24               "issuedCopies": 0,
25               "author": "Author 3"
26           }
27       ]
28   }
```

3. /book - update

PUT   ⌄   http://localhost:8080/book ...

Params   Authorization   Headers (8)   **Body** ●   Pre-request Script

⚪ none   ⚪ form-data   ⚪ x-www-form-urlencoded   🔴 raw   ⚪ binary

```
1   {
2       "isbn": 2,
3       "title": "Microservices for biginers",
4       "publishedDate": "08-01-2005",
5       "totalCopies": 10,
6       "issuedCopies": 0,
7       "author": "Chris Brinkley"
8   }
```

Body   Cookies   Headers (5)   Test Results

Pretty   Raw   Preview   Visualize   JSON ⌄   ⇄

```
1   {
2       "isbn": 2,
3       "title": "Microservices for biginers",
4       "publishedDate": "08-01-2005",
5       "totalCopies": 10,
6       "issuedCopies": 0,
7       "author": "Chris Brinkley"
8   }
```

4. /book/{isbn} - get single book

GET ∨	http://localhost:8080/book/1 …

Params   Authorization   Headers (6)   Body   Pre-request Script   Test

Query Params

	KEY	VALUE
	Key	Value

Body   Cookies   Headers (5)   Test Results

Pretty   Raw   Preview   Visualize   JSON ∨

```
1  {
2      "isbn": 1,
3      "title": "Microservices Architect",
4      "publishedDate": "08-01-2007",
5      "totalCopies": 10,
6      "issuedCopies": 0,
7      "author": "Author 1"
8  }
```

5. /book/{isbn} - Delete book

DELETE ⌄	http://localhost:8080/book/4

Params   Authorization   **Headers (6)**   Body   Pre-request Script   Tests

Headers   👁 6 hidden

	KEY	VALUE
	Key	Value

Body   Cookies   Headers (5)   Test Results

Pretty	Raw	Preview	Visualize	Text ⌄	⇄

```
1    deleted Book 4
```

Issuer API

/availableBooks

GET ⌄ | http://localhost:8081/availableBooks ...

Params | Authorization | Headers **(6)** | Body | Pre-request Script | Tests | S

Query Params

KEY	VALUE
Key	Value

Body | Cookies | Headers **(5)** | Test Results

Pretty | Raw | Preview | Visualize | JSON ⌄ | ⇄

```
 1  [
 2      {
 3          "isbn": 1,
 4          "availableCopies": 10
 5      },
 6      {
 7          "isbn": 2,
 8          "availableCopies": 10
 9      },
10      {
11          "isbn": 3,
12          "availableCopies": 10
13      }
14  ]
```

/issuers

GET ⌄	http://localhost:8081/issuers

Params   Authorization   Headers (6)   Body   Pre-request Script

Query Params

KEY	V
Key	v

Body   Cookies   Headers (5)   Test Results

Pretty   Raw   Preview   Visualize   JSON ⌄   ⇄

```
 1  [
 2      {
 3          "isbn": 1,
 4          "custId": 123,
 5          "noOfCopies": 1
 6      },
 7      {
 8          "isbn": 2,
 9          "custId": 123,
10          "noOfCopies": 1
11      },
12      {
13          "isbn": 3,
14          "custId": 12345,
15          "noOfCopies": 1
16      }
17  ]
```

/issueBook

| POST | ⌄ | http://localhost:8081/issueBook |

Params   Authorization   Headers (8)   **Body** ●   Pre-request

⬤ none   ⬤ form-data   ⬤ x-www-form-urlencoded   ⬤ raw   ⬤

```
1  {
2  "isbn":3,
3  "custId":12345,
4  "noOfCopies":1
5  }
```

Body   Cookies   Headers (5)   Test Results

Pretty   Raw   Preview   Visualize   JSON ⌄   ⤵

```
1  {
2      "isbn": 3,
3      "custId": 12345,
4      "noOfCopies": 1
5  }
```

cancel book issue

DELETE ∨	http://localhost:8081/issuer

Params   Authorization   Headers (8)   **Body** ●   Pre-request Script   Tests

○ none   ○ form-data   ○ x-www-form-urlencoded   ⦿ raw   ○ binary   ○ Gra

```
1  {
2      "issueId": 1,
3      "isbn": 3,
4      "custId": 12345,
5      "noOfCopies": 1
6  }
```

Body   Cookies   Headers (5)   Test Results

Pretty	Raw	Preview	Visualize	Text ∨	⮐

```
1  canceld issued book: 3for the customer: 12345
```

/token - Auth client

Token service / **token**   ✎

GET ⌄	http://localhost:8000/token ...

Params   Authorization   Headers (6)   Body   Pre-request Script   Tests   Se

Query Params

KEY	VALUE
Key	Value

Body   Cookies   Headers (5)   Test Results

| Pretty | Raw | Preview | Visualize | Text ⌄ | ⤶ |

```
1   3211f4aa-fe5a-45be-b58f-9aca328ebd3f
```

API as resource server with oauth2 security

API gateway / **books**

| GET | ⌄ | http://localhost:8090/books ... |

Params   Authorization ●   Headers **(7)**   Body   Pre-request Script   Tests   Settings

Type

Bearer Token ⌄

The authorization header will be automatically generated when you send the request.
Learn more about authorization ↗

ⓘ Heads up! These parameters hold sensitive data. To keep this data secure while working in a collaborativ using variables. variables ↗

Token

3211f4aa-fe5a-45be-b58f-9aca328ebd3f

Body   Cookies   Headers **(10)**   Test Results

🌐 Status: **200 OK**   Time: 6

Pretty   Raw   Preview   Visualize   JSON ⌄   ⇥

```
 1   {
 2       "books": [
 3           {
 4               "isbn": 1,
 5               "title": "Microservices Architect",
 6               "publishedDate": "08-01-2007",
 7               "totalCopies": 9,
 8               "issuedCopies": 1,
 9               "author": "Author 1"
10           },
11           {
12               "isbn": 2,
13               "title": "Microservices for biginers",
14               "publishedDate": "08-01-2005",
15               "totalCopies": 9,
16               "issuedCopies": 1,
17               "author": "Chris Brinkley"
18           },
19           {
20               "isbn": 3,
21               "title": "Microservices Architect 3",
22               "publishedDate": "08-01-2007",
23               "totalCopies": 9,
24               "issuedCopies": 1,
25               "author": "Author 3"
26           }
27       ]
28   }
```