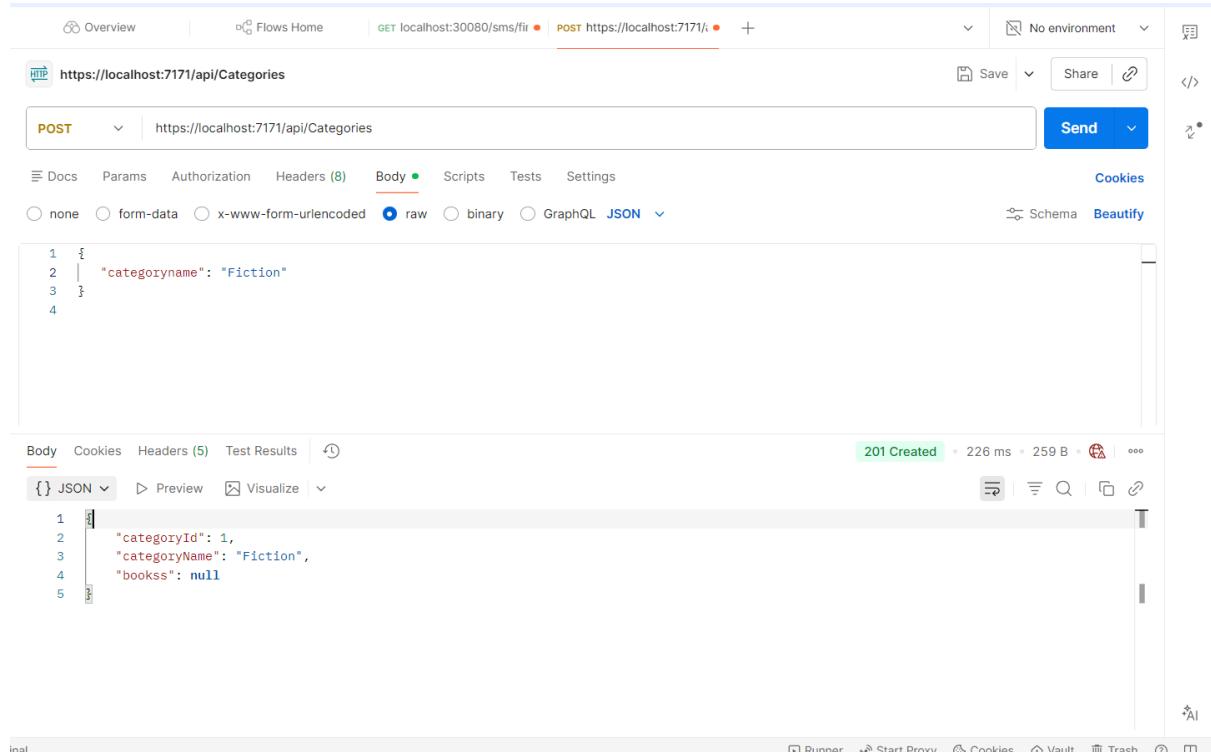


CATEGORIES

POST



The screenshot shows the cURL interface with a POST request to <https://localhost:7171/api/Categories>. The request body is a JSON object:

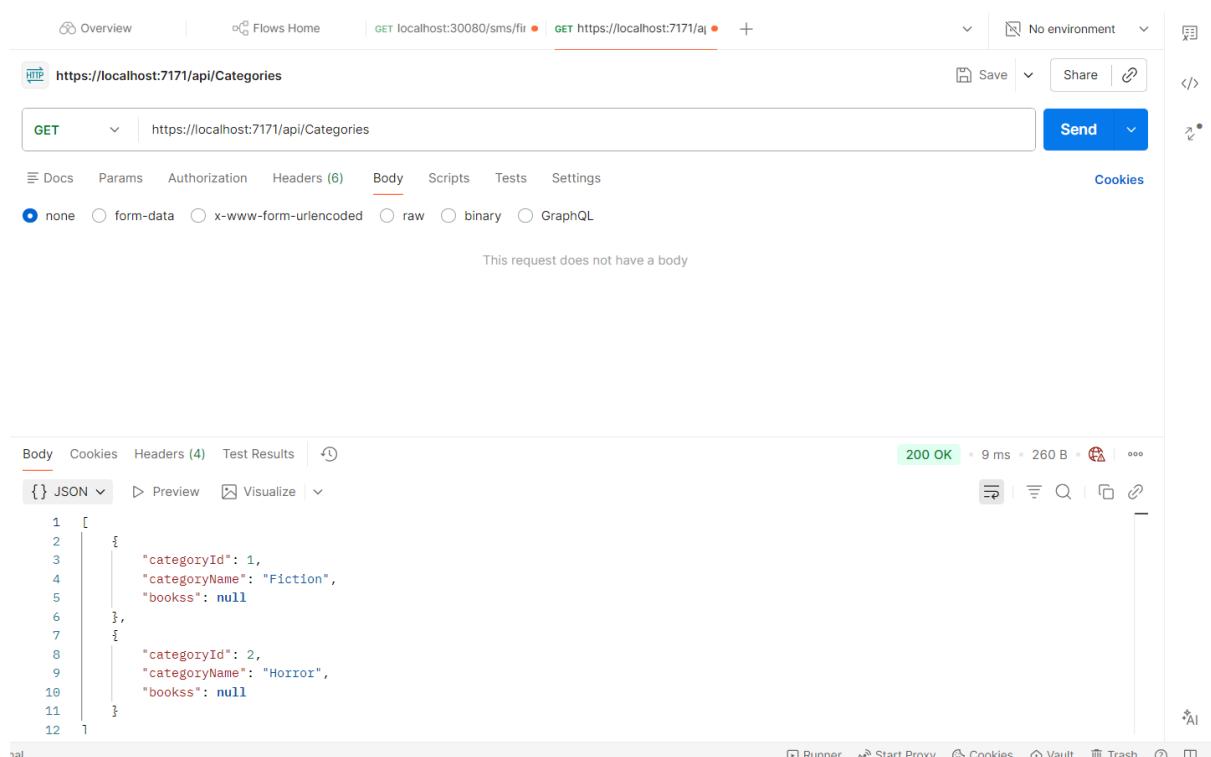
```
1 {  
2   "categoryName": "Fiction"  
3 }  
4
```

The response status is 201 Created, with a response time of 226 ms and a response size of 259 B. The response body is:

```
1 {  
2   "categoryId": 1,  
3   "categoryName": "Fiction",  
4   "bookss": null  
5 }
```

GET

Added another category



The screenshot shows the cURL interface with a GET request to <https://localhost:7171/api/Categories>. The response status is 200 OK, with a response time of 9 ms and a response size of 260 B. The response body is:

```
1 [  
2   {  
3     "categoryId": 1,  
4     "categoryName": "Fiction",  
5     "bookss": null  
6   },  
7   {  
8     "categoryId": 2,  
9     "categoryName": "Horror",  
10    "bookss": null  
11  }  
12 ]
```

PUT

The screenshot shows the cURL interface with the following details:

- Method:** PUT
- URL:** https://localhost:7171/api/Categories/1
- Body:** Raw JSON (selected)

```
1 {
2   "categoryId":1,
3   "categoryname": "Fantasy"
4 }
```
- Response Status:** 204 No Content
- Response Time:** 25 ms
- Response Size:** 81 B

GET - To check the updates after PUT

The screenshot shows the cURL interface with the following details:

- Method:** GET
- URL:** https://localhost:7171/api/Categories
- Body:** Raw JSON (selected)

```
1 {
2   "categoryId":1,
3   "categoryname": "Fantasy"
4 }
```
- Response Status:** 200 OK
- Response Time:** 5 ms
- Response Size:** 260 B

The response body is displayed as JSON:

```
[{"categoryId": 1, "categoryName": "Fantasy", "bookss": null}, {"categoryId": 2, "categoryName": "Horror", "bookss": null}]
```

DELETE

The screenshot shows the Postman interface with a DELETE request to `https://localhost:7171/api/Categories/2`. The request body is empty. The response status is `204 No Content` with a response time of 23 ms and a size of 81 B.

GET - To check the updates after DELETE

The screenshot shows the Postman interface with a GET request to `https://localhost:7171/api/Categories`. The request body is empty. The response status is `200 OK` with a response time of 6 ms and a size of 205 B. The response JSON is:

```
[{"categoryID": 1, "categoryName": "Fantasy", "books": null}]
```

BOOKS

POST

Adding book in Category-1

The screenshot shows the Postman interface with a POST request to `https://localhost:7171/api/Books`. The request body is a JSON object:

```
1 {
2   "bookId": 101,
3   "bookName": "Game of Thrones",
4   "bookPrice": 820,
5   "categoryId": 1
6 }
```

The response status is **201 Created** with a response time of 57 ms and a size of 275 B.

Adding book in Category-2

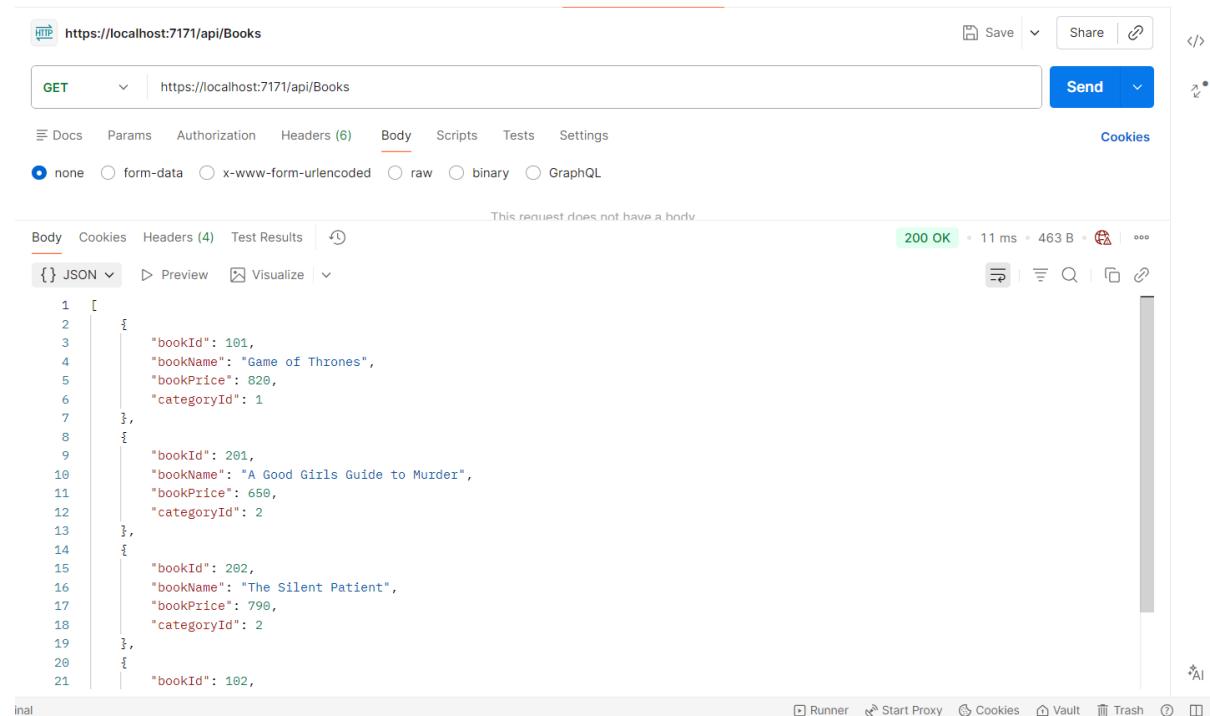
The screenshot shows the Postman interface with a POST request to `https://localhost:7171/api/Books`. The request body is a JSON object:

```
1 {
2   "bookId": 201,
3   "bookName": "A Good Girls Guide to Murder",
4   "bookPrice": 650,
5   "categoryId": 2
6 }
```

The response status is **201 Created** with a response time of 21 ms and a size of 288 B.

GET

Added books in each category



HTTP <https://localhost:7171/api/Books>

GET <https://localhost:7171/api/Books>

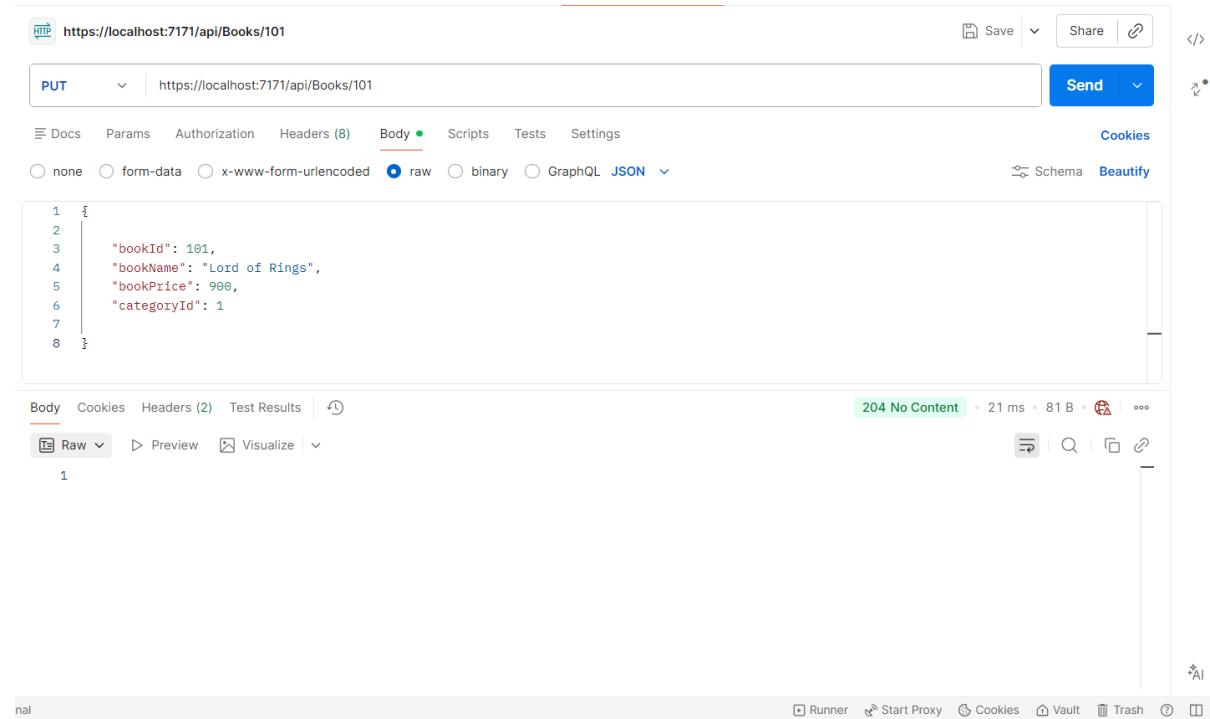
Send

Body Cookies Headers (4) Test Results

200 OK 11 ms 463 B

```
[{"bookId": 101, "bookName": "Game of Thrones", "bookPrice": 820, "categoryId": 1}, {"bookId": 201, "bookName": "A Good Girls Guide to Murder", "bookPrice": 650, "categoryId": 2}, {"bookId": 202, "bookName": "The Silent Patient", "bookPrice": 790, "categoryId": 2}, {"bookId": 102, }]
```

PUT



HTTP <https://localhost:7171/api/Books/101>

PUT <https://localhost:7171/api/Books/101>

Send

Body Cookies Headers (2) Test Results

204 No Content 21 ms 81 B

```
{"bookId": 101, "bookName": "Lord of Rings", "bookPrice": 900, "categoryId": 1}
```

GET by Id

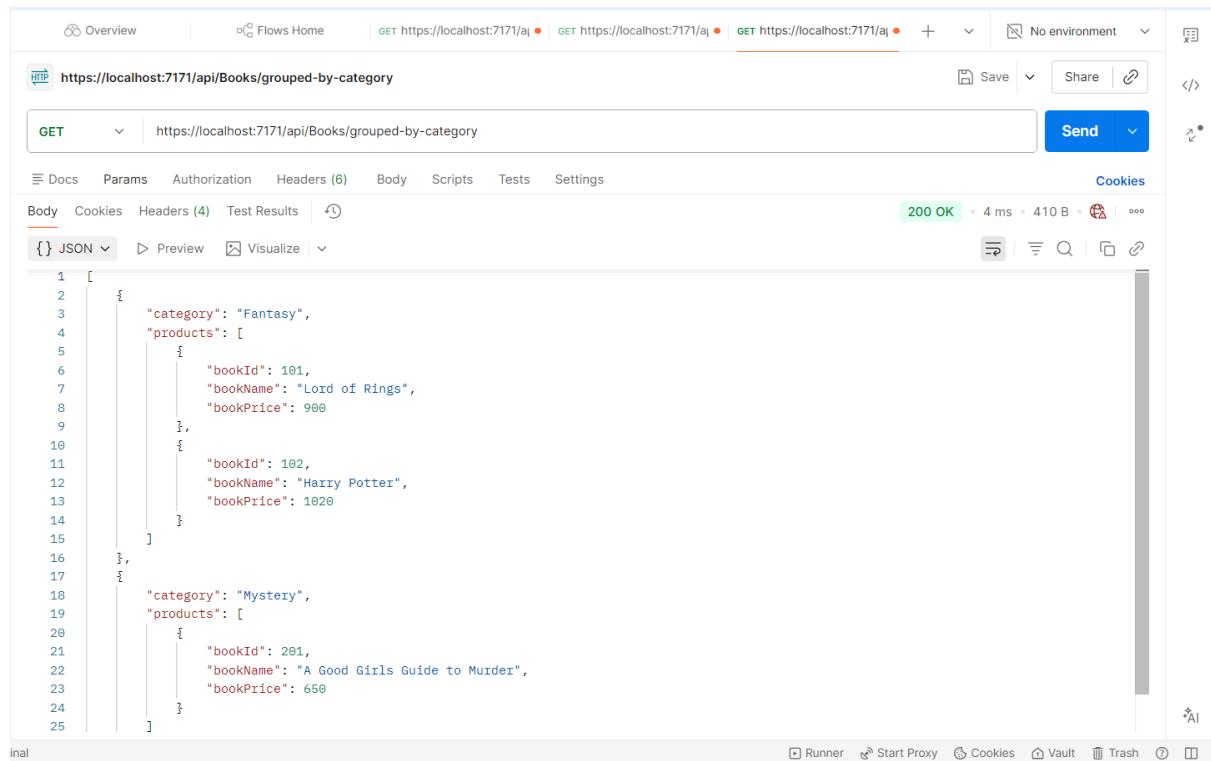
The screenshot shows the API Tester interface with a successful GET request to `https://localhost:7171/api/Books/101`. The response status is 200 OK, with a response time of 24 ms and a body size of 220 B. The response body is a JSON object:

```
1 {  
2   "bookId": 101,  
3   "bookName": "Lord of Rings",  
4   "bookPrice": 900,  
5   "categoryId": 1  
6 }
```

DELETE

The screenshot shows the API Tester interface with a successful DELETE request to `https://localhost:7171/api/Books/202`. The response status is 204 No Content, with a response time of 45 ms and a body size of 81 B. The response body is empty.

GET-Grouped by Category



The screenshot shows the Postman interface with the following details:

- URL:** `https://localhost:7171/api/Books/grouped-by-category`
- Method:** GET
- Response Status:** 200 OK
- Response Time:** 4 ms
- Response Size:** 410 B
- Response Body (JSON):**

```
1 [  
2   {  
3     "category": "Fantasy",  
4     "products": [  
5       {  
6         "bookId": 101,  
7         "bookName": "Lord of Rings",  
8         "bookPrice": 900  
9       },  
10      {  
11        "bookId": 102,  
12        "bookName": "Harry Potter",  
13        "bookPrice": 1020  
14      }  
15    },  
16    {  
17      "category": "Mystery",  
18      "products": [  
19        {  
20          "bookId": 201,  
21          "bookName": "A Good Girls Guide to Murder",  
22          "bookPrice": 650  
23        }  
24      ]  
25    }  
]
```