Postman Collection Documentation: Library Book Catalog API

Base URL: `http://localhost:8080`

API Endpoints

Method	Endpoint	Description
POST	/books	Add a new book
GET	/books	Retrieve all books
GET	/books/{id}	Get book by ID
DELETE	/books/{id}	Delete book by ID
PATCH	/books/{id}/availability	Update book availability status

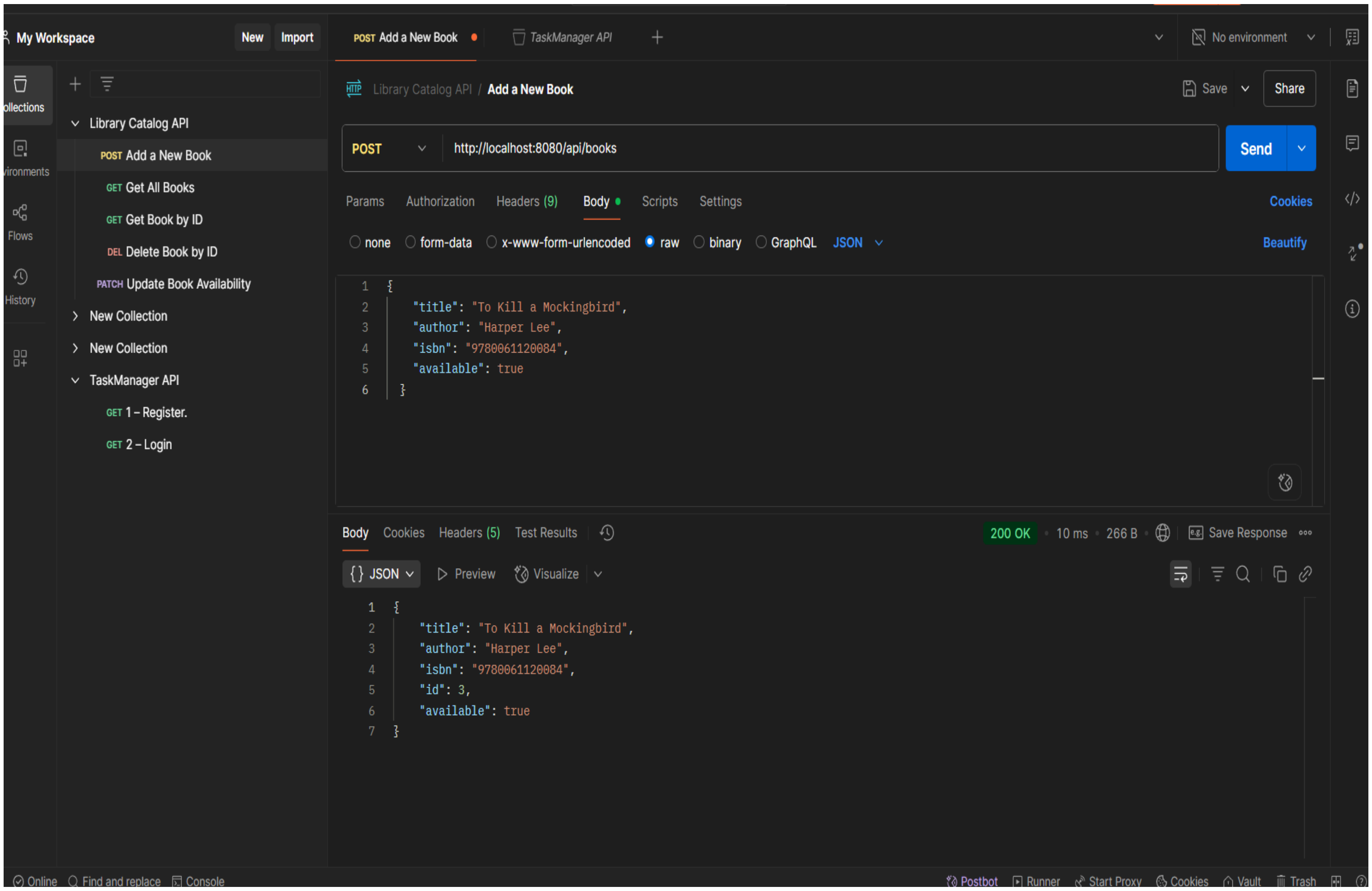
Developer Info

Developed by: Darshan Chaudhari

Tools: Spring Boot, Postman, STS, GitHub

Git repo -
https://github.com/darshanchaudharii/Library_Management_Books_Catelog_Backend_Server-.git
Postman Shared link -
https://restless-rocket-398046.postman.co/workspace/My-Workspace~d611aeb1-7e53-402e-8557-fca0c9eaf520/collection/45915590-141ca865-08a1-49b2-8588-ac7aeda002e4?action=share&creator=45915590

1. Title - POST /books – Add New Book (http://localhost:8080/books)



POST http://localhost:8080/api/books

none | form-data | x-www-form-urlencoded | [✓ raw] | binary | GraphQL | JSON

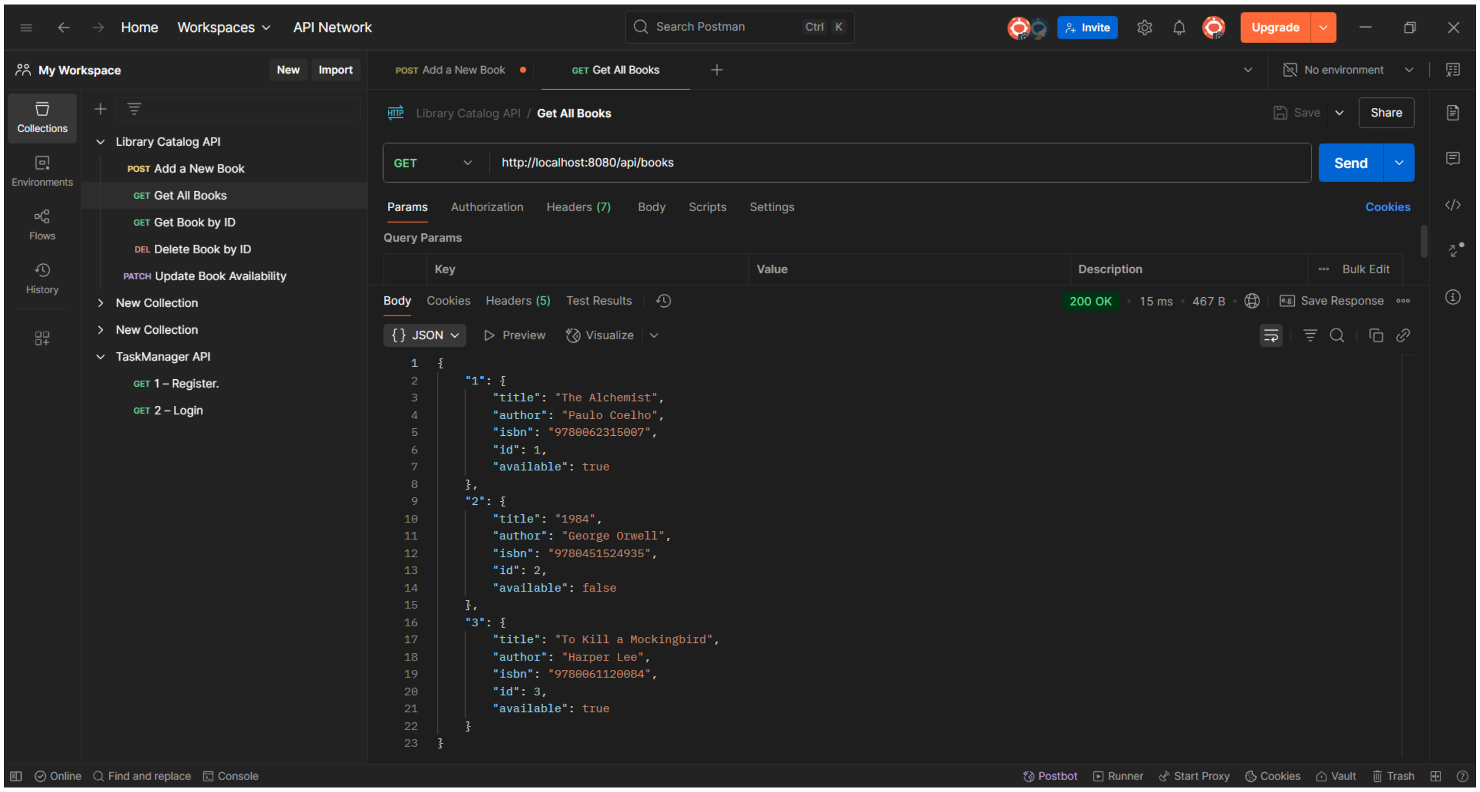
```
{
   "title": "To Kill a Mockingbird",
   "author": "Harper Lee",
   "isbn": "9780061120084",
   "available": true
 }
```

Body | Cookies | Headers (5) | Test Results — 200 OK • 10 ms • 266 B

JSON

```
{
   "title": "To Kill a Mockingbird",
   "author": "Harper Lee",
   "isbn": "9780061120084",
   "id": 3,
   "available": true
}
```

2. GET /books – Retrieve All Books – Add New Book (http://localhost:8080/books)

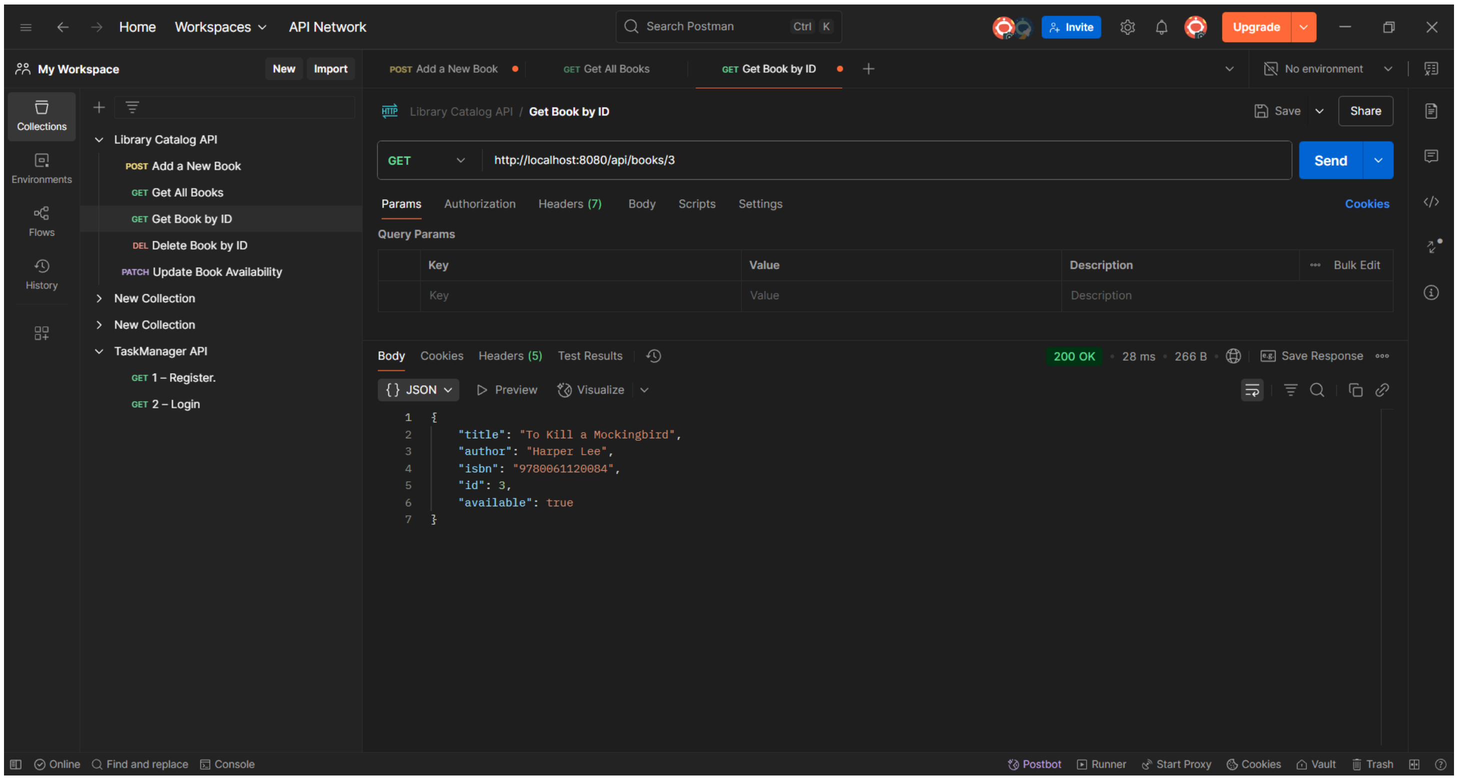


GET http://localhost:8080/api/books

200 OK • 15 ms • 467 B

```
{
    "1": {
        "title": "The Alchemist",
        "author": "Paulo Coelho",
        "isbn": "9780062315007",
        "id": 1,
        "available": true
    },
    "2": {
        "title": "1984",
        "author": "George Orwell",
        "isbn": "9780451524935",
        "id": 2,
        "available": false
    },
    "3": {
        "title": "To Kill a Mockingbird",
        "author": "Harper Lee",
        "isbn": "9780061120084",
        "id": 3,
        "available": true
    }
}
```

3. GET /books/{id} – Get Book by ID (http://localhost:8080/books/3)

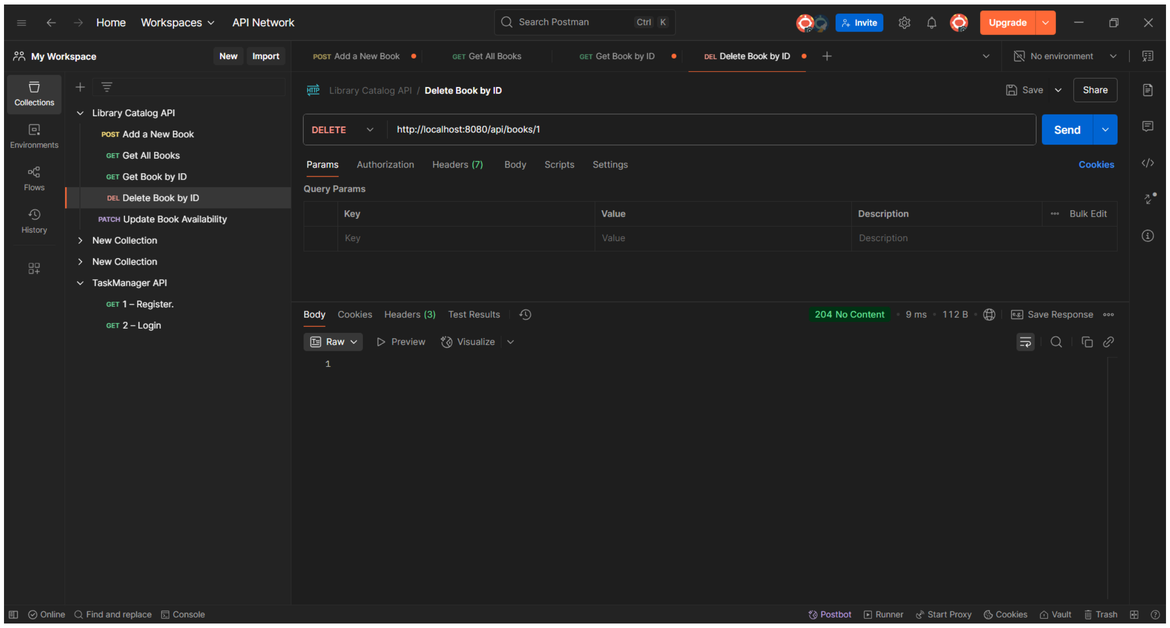


GET http://localhost:8080/api/books/3

200 OK • 28 ms • 266 B

```
{
    "title": "To Kill a Mockingbird",
    "author": "Harper Lee",
    "isbn": "9780061120084",
    "id": 3,
    "available": true
}
```

4. DELETE /books/{id} (http://localhost:8080/books/1)

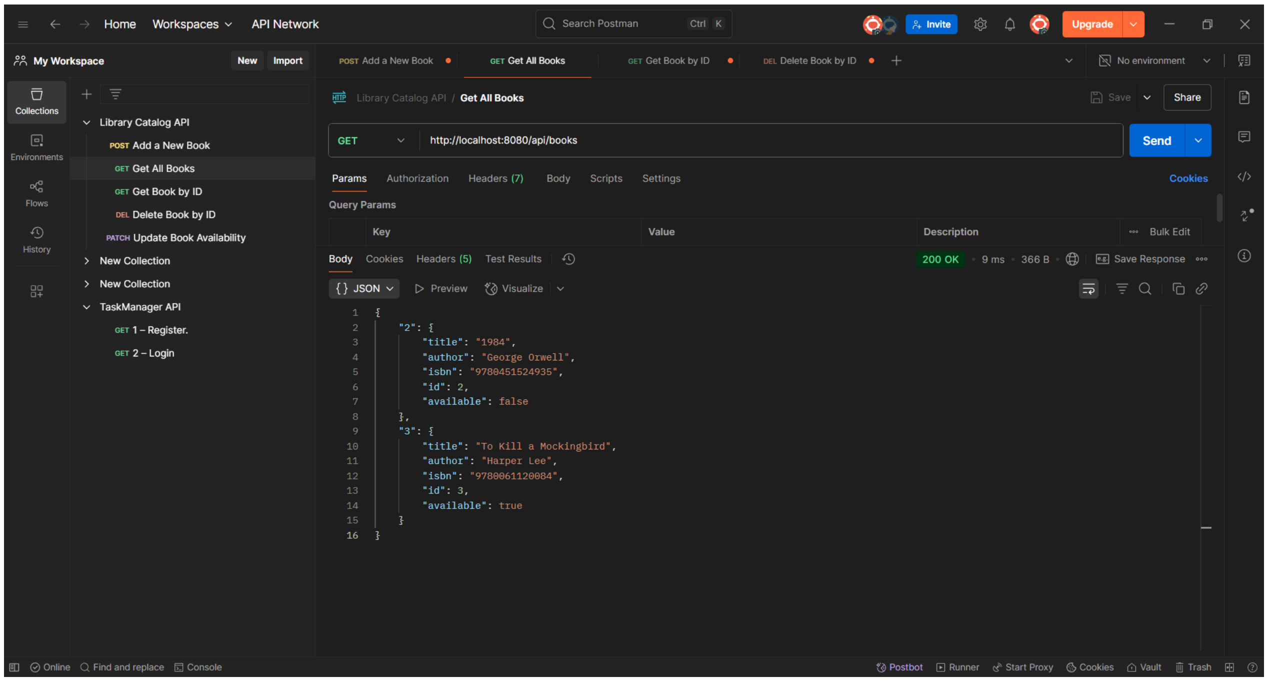


Library Catalog API / Delete Book by ID

DELETE http://localhost:8080/api/books/1

Body: 204 No Content · 9 ms · 112 B

After Deletion -



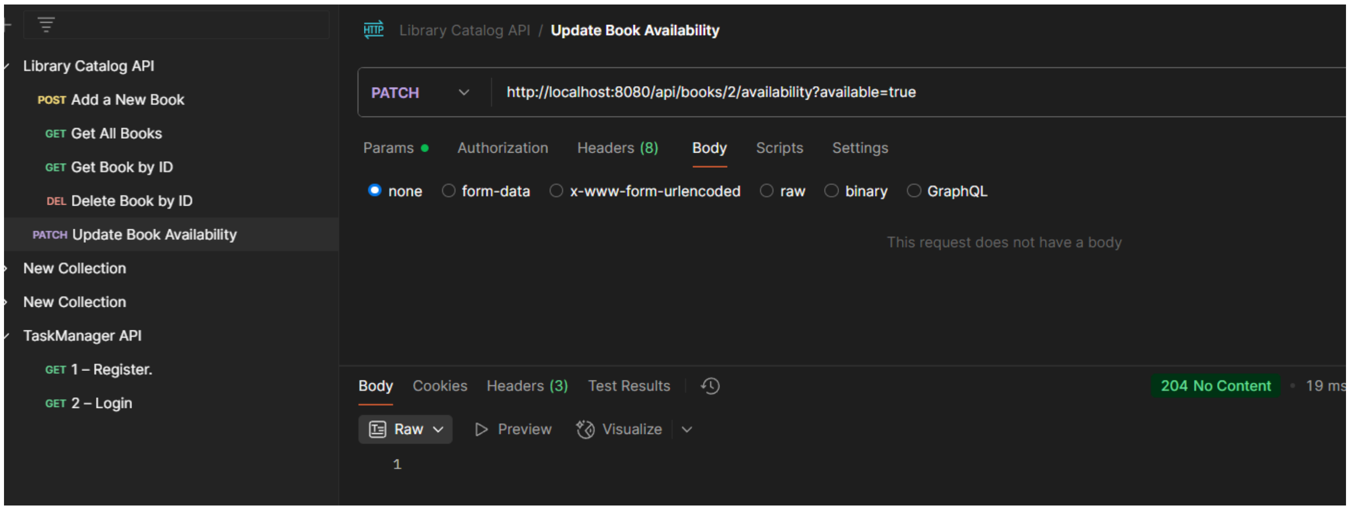
Library Catalog API / Get All Books

GET http://localhost:8080/api/books

Body: 200 OK · 9 ms · 366 B

```
{
    "2": {
        "title": "1984",
        "author": "George Orwell",
        "isbn": "9780451524935",
        "id": 2,
        "available": false
    },
    "3": {
        "title": "To Kill a Mockingbird",
        "author": "Harper Lee",
        "isbn": "9780061120084",
        "id": 3,
        "available": true
    }
}
```

5. PATCH /books/{id}/availability
   (http://localhost:8080/books/1/availability?available=true)



Library Catalog API / Update Book Availability

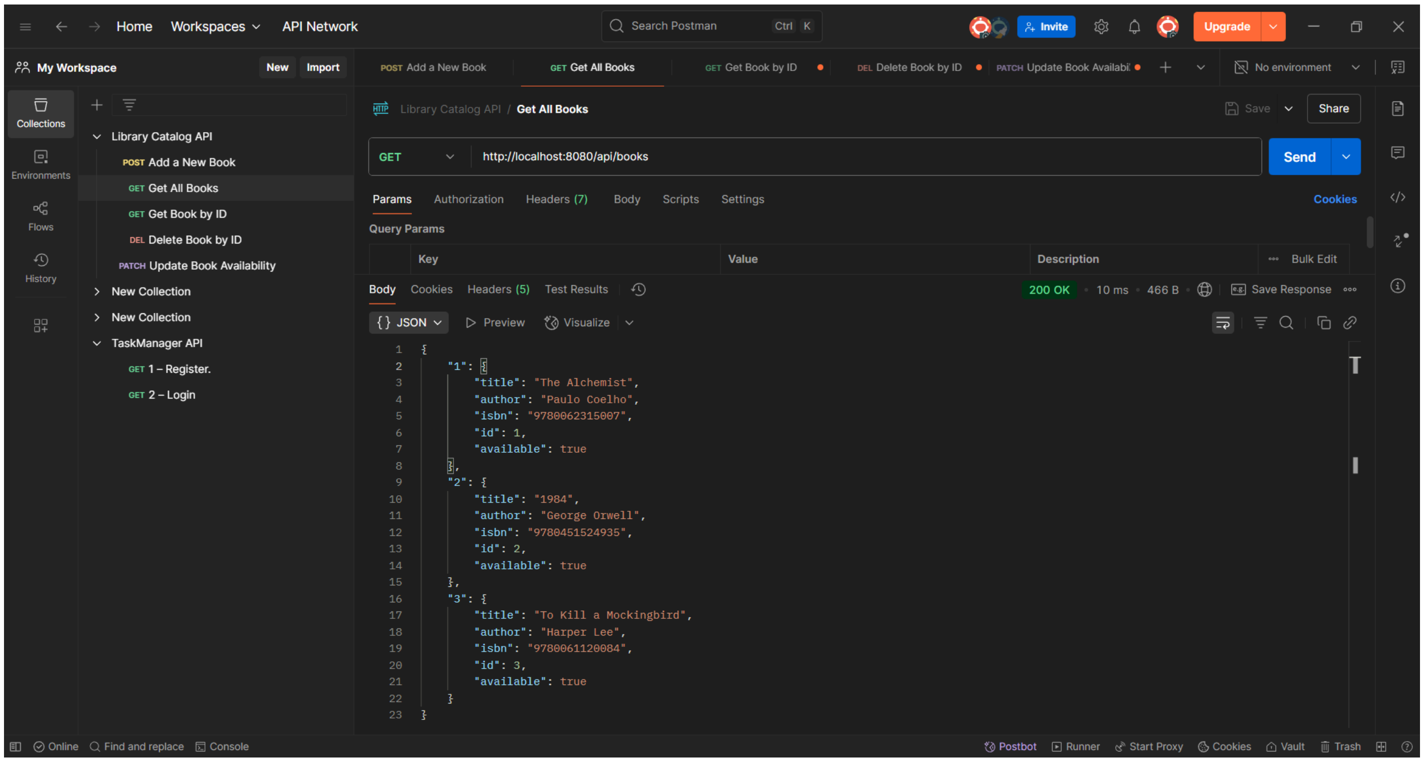
```
PATCH http://localhost:8080/api/books/2/availability?available=true
```

Body: none — This request does not have a body

Response: 204 No Content · 19 ms

```
1
```

After Updating -



Library Catalog API / Get All Books

```
GET http://localhost:8080/api/books
```

Response: 200 OK · 10 ms · 466 B

```
{
    "1": {
        "title": "The Alchemist",
        "author": "Paulo Coelho",
        "isbn": "9780062315007",
        "id": 1,
        "available": true
    },
    "2": {
        "title": "1984",
        "author": "George Orwell",
        "isbn": "9780451524935",
        "id": 2,
        "available": true
    },
    "3": {
        "title": "To Kill a Mockingbird",
        "author": "Harper Lee",
        "isbn": "9780061120084",
        "id": 3,
        "available": true
    }
}
```