Library Management System – Postman API Documentation

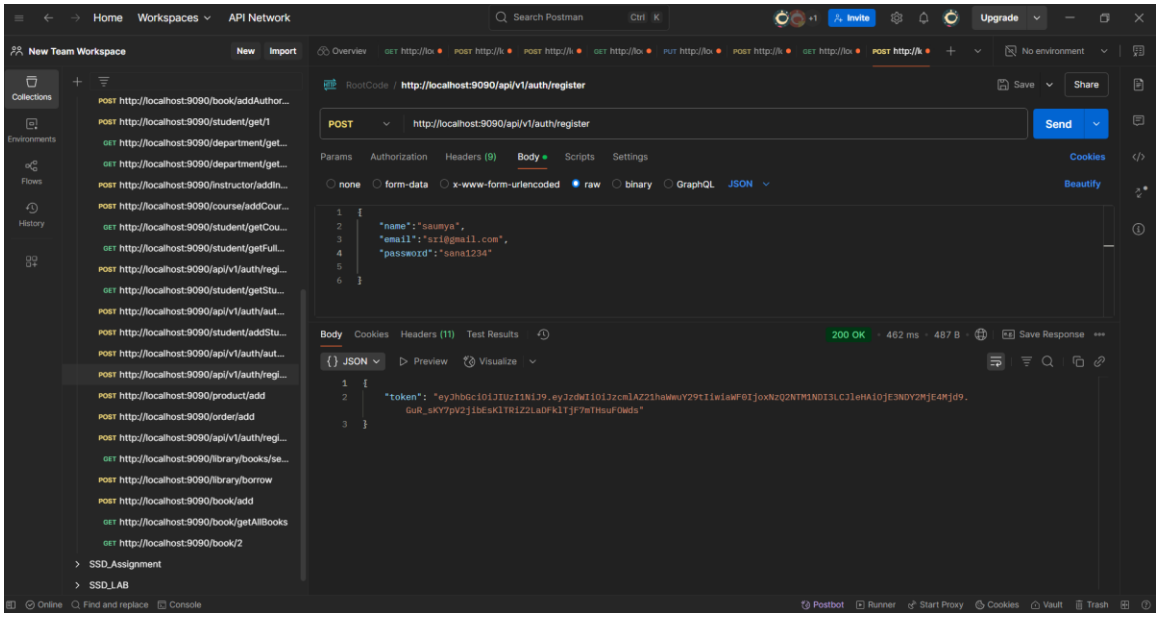
User APIs

User Register API

Endpoint: POST /api/v1/auth/register

Request Body:

```
{
  "name": "John Doe",
  "email": "john@example.com",
  "password": "securePassword"
}
```



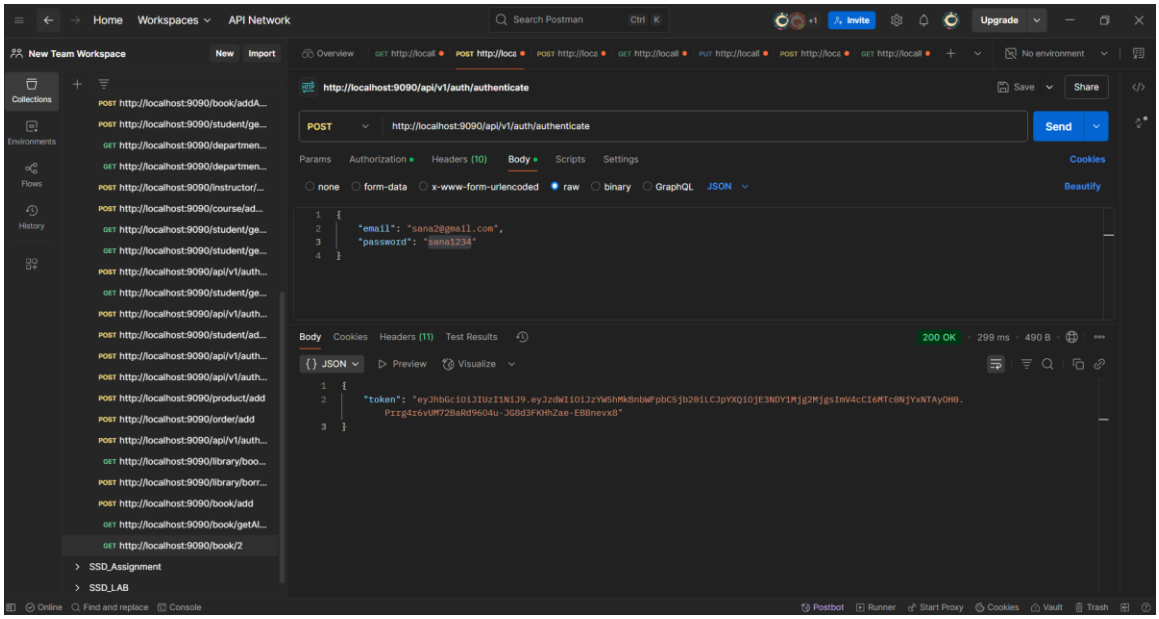
User Login API

Endpoint: POST /api/v1/auth/authenticate

Request Body:

```
{
 "email": "john@example.com",
 "password": "securePassword"
}
```

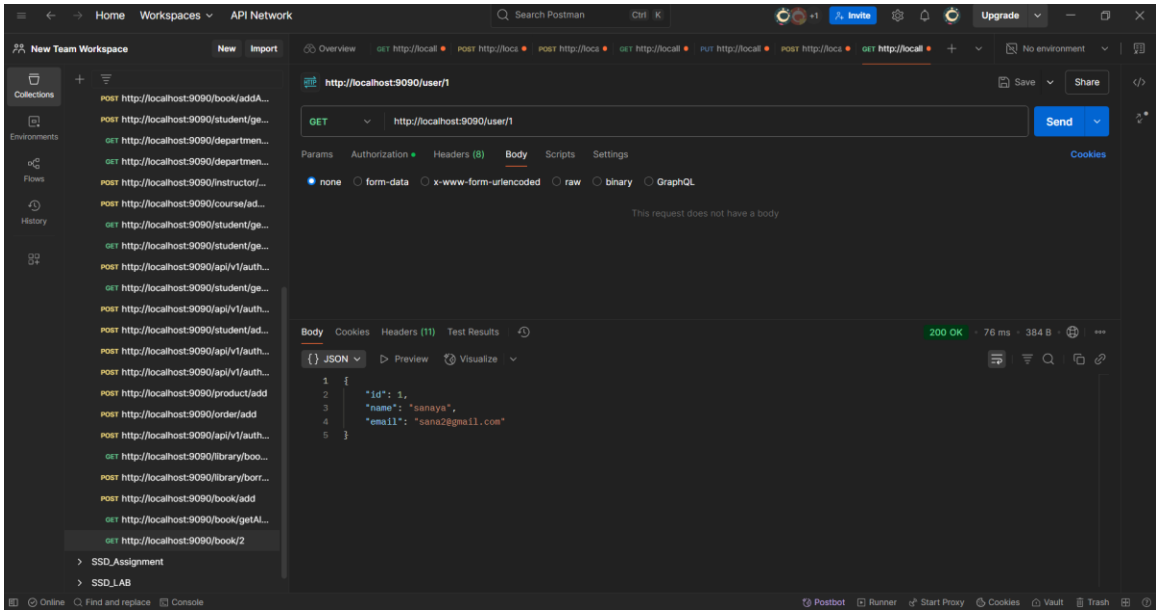
Response: JWT Token

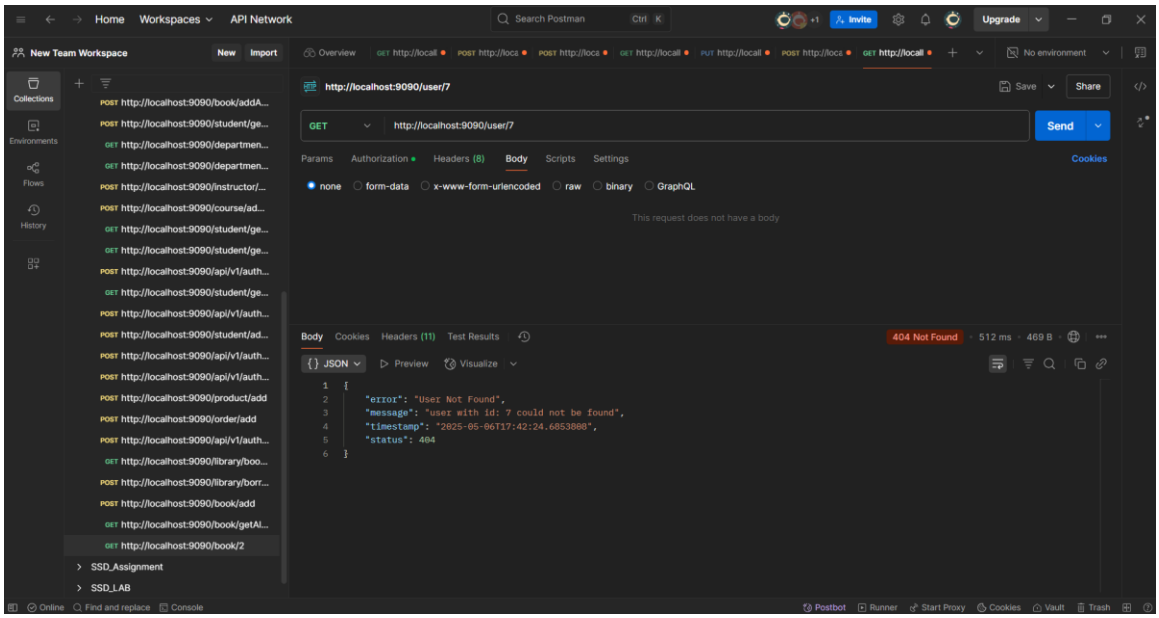


Get Logged-in User Info

Endpoint: GET /user/{userId}

Header: Authorization: Bearer <JWT>





Get All Users

Endpoint: GET /user/getAllUsers

Header: Admin access required

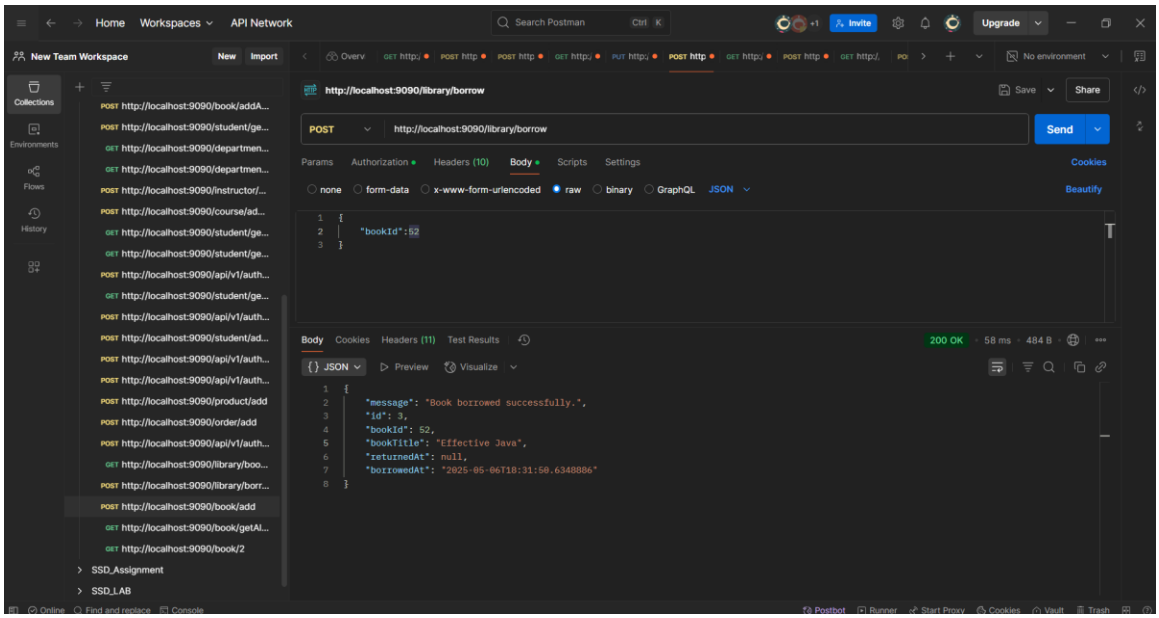
Book APIs

Borrow a Book

Endpoint: POST /library/borrow

Request Body:

```
{
  "bookId": 1
}
```

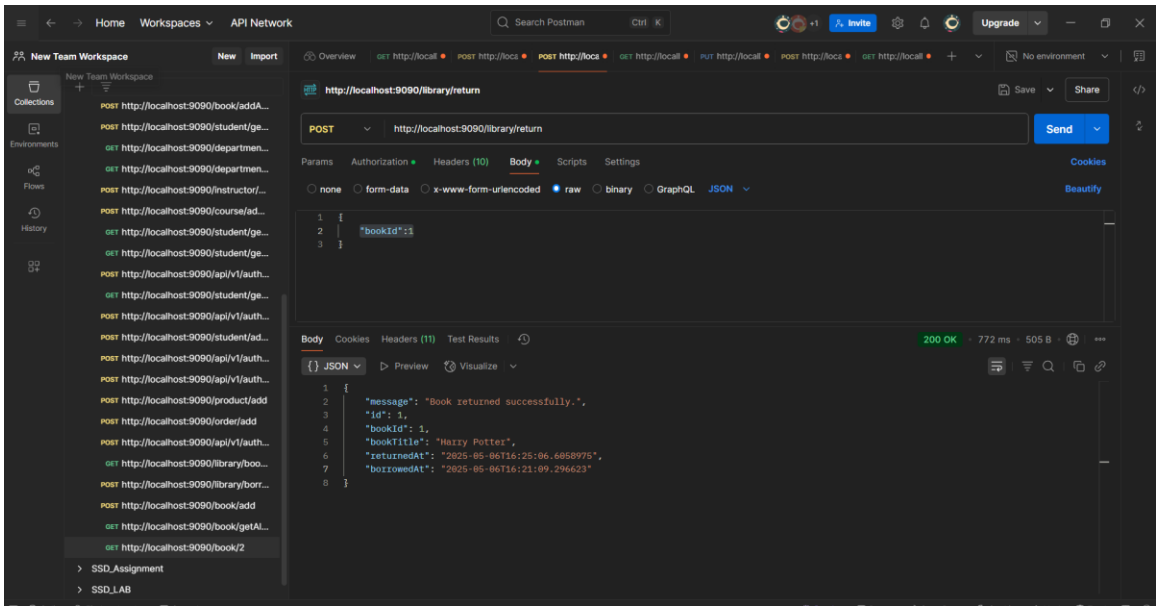


Return a Book

Endpoint: POST /library/return

Request Body:

```
{
  "bookId": 1
}
```

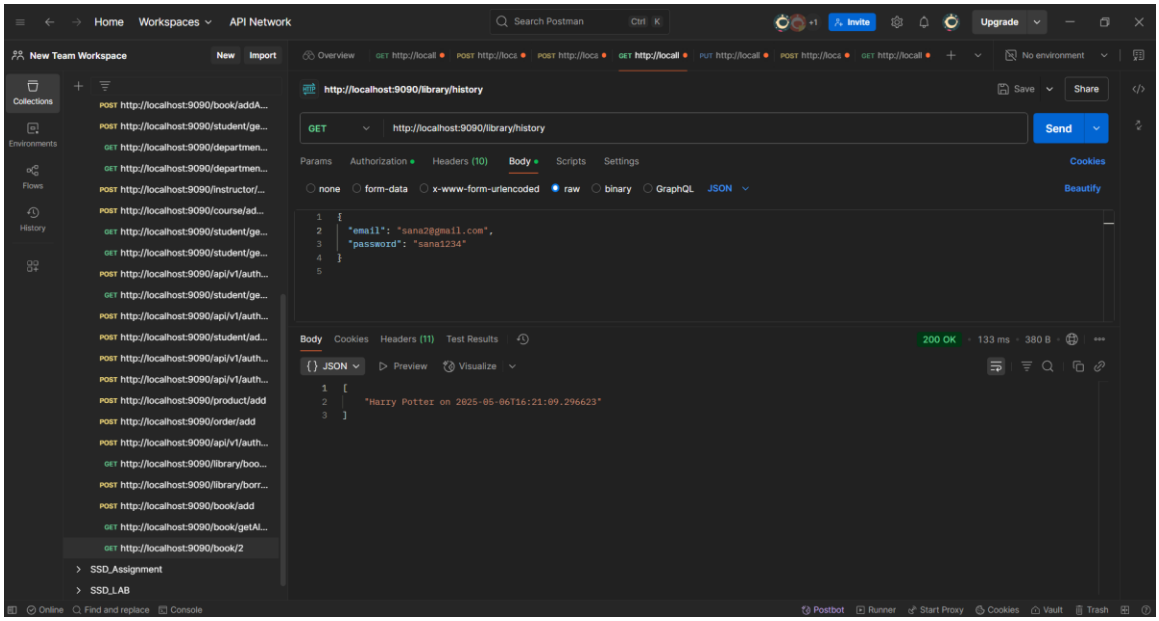


Borrowing History

Endpoint: GET /library/history

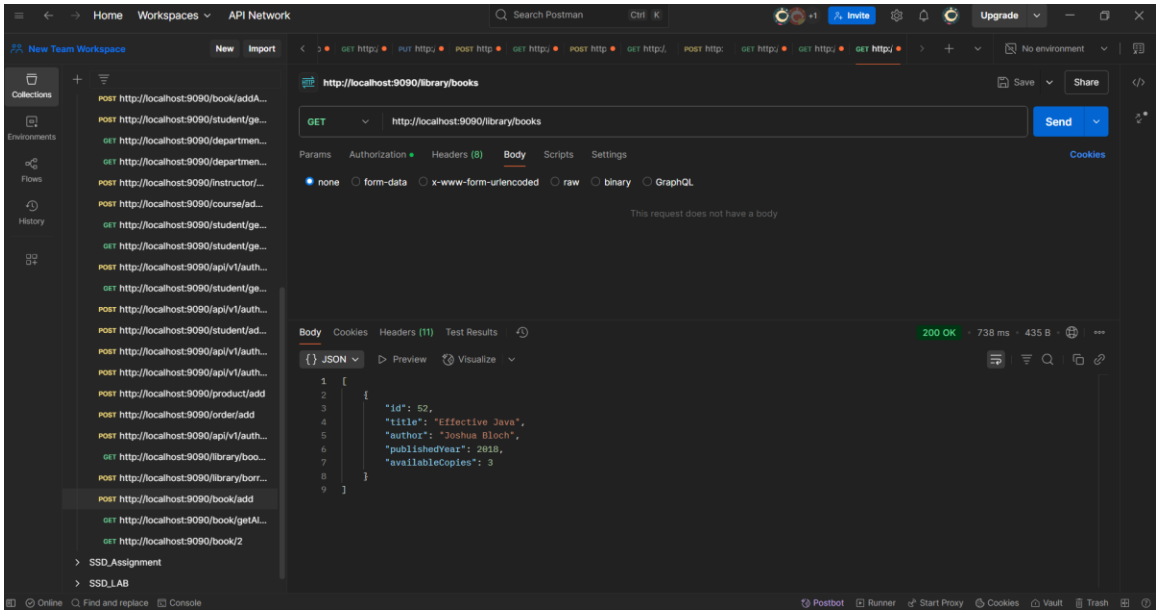
{
"email": "sana@gmail.com,

"password":1234
}



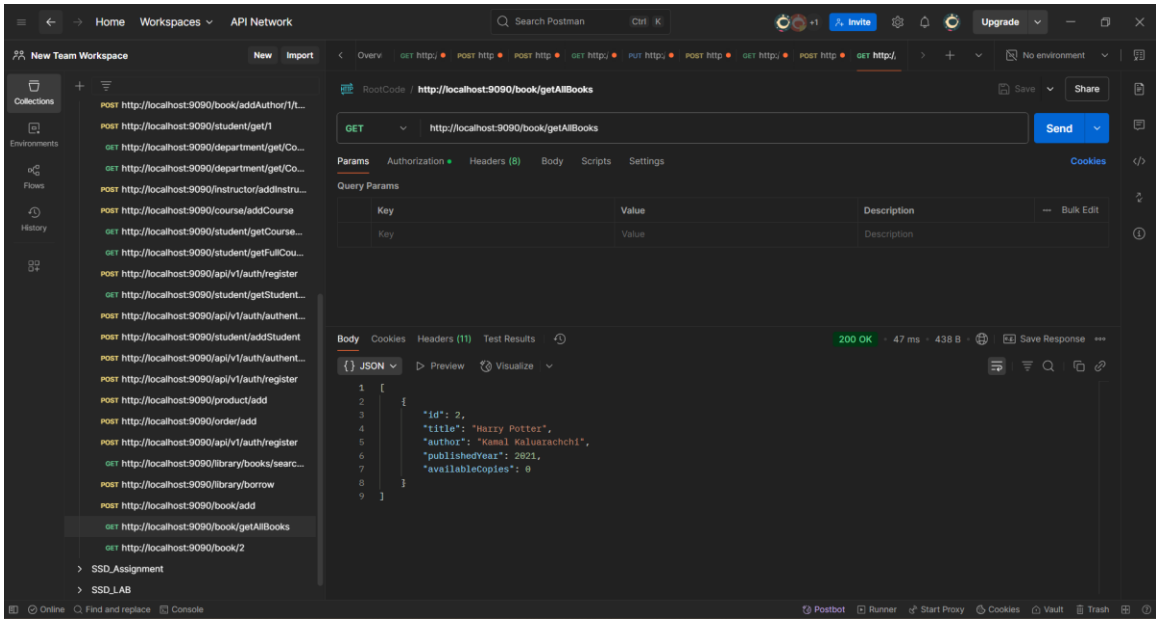
Get All Available Books

Endpoint: GET /library/books



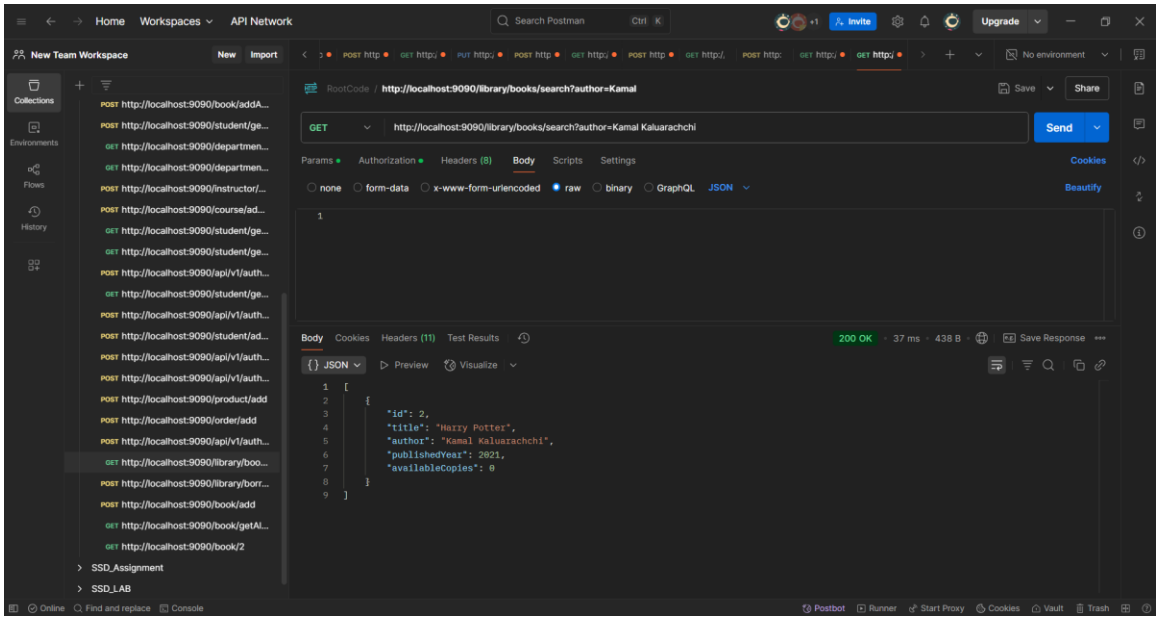
Get All Books

Endpoint: GET /book/getAllBooks



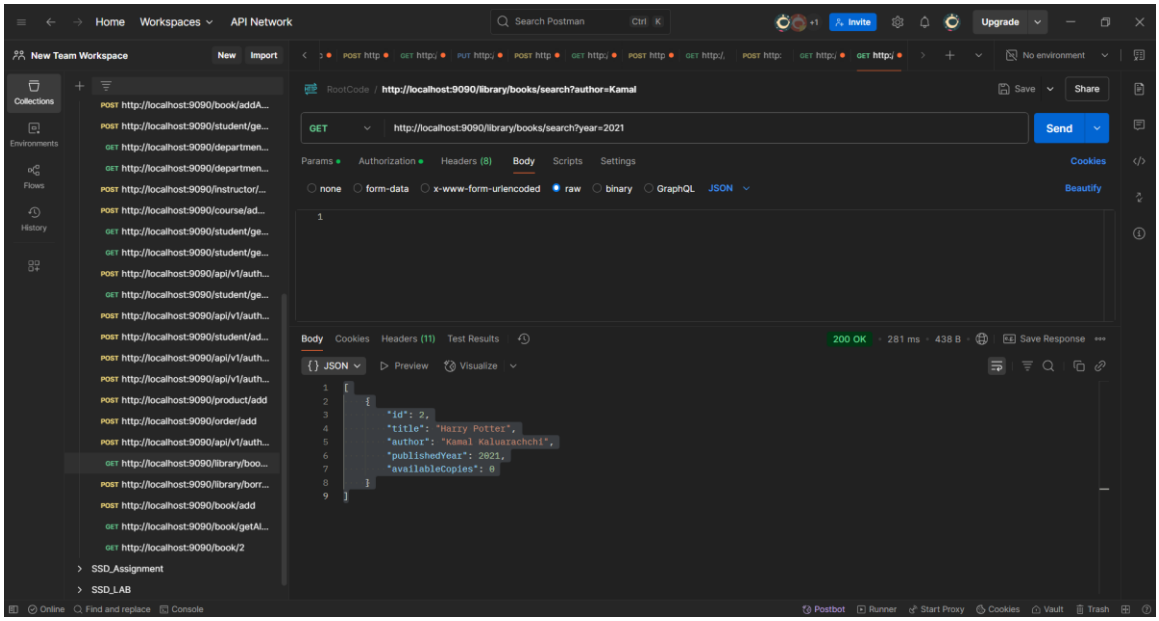
Search Books by Author

Endpoint: GET library/books/search?author=Kamal



Search Books by Published Year

Endpoint: GET /library/books/search?year=2021

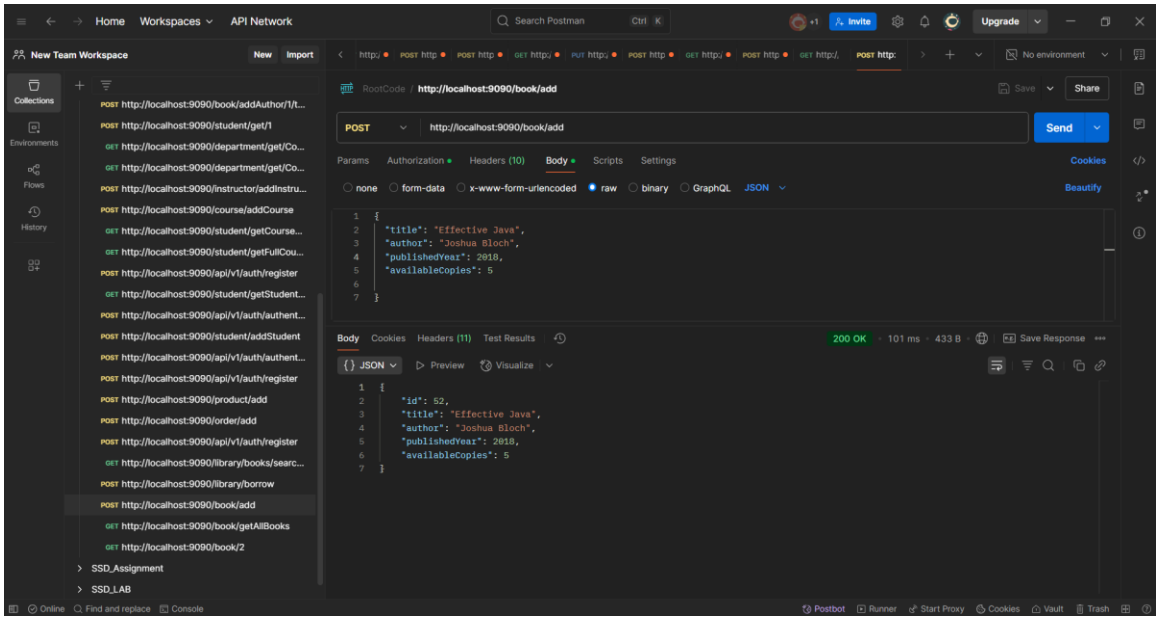


Add New Book

Endpoint: POST /books/add

Request Body:

```
{
  "title": "Effective Java",
  "author": "Joshua Bloch",
  "publishedYear": 2018,
  "availableCopies": 5
}
```

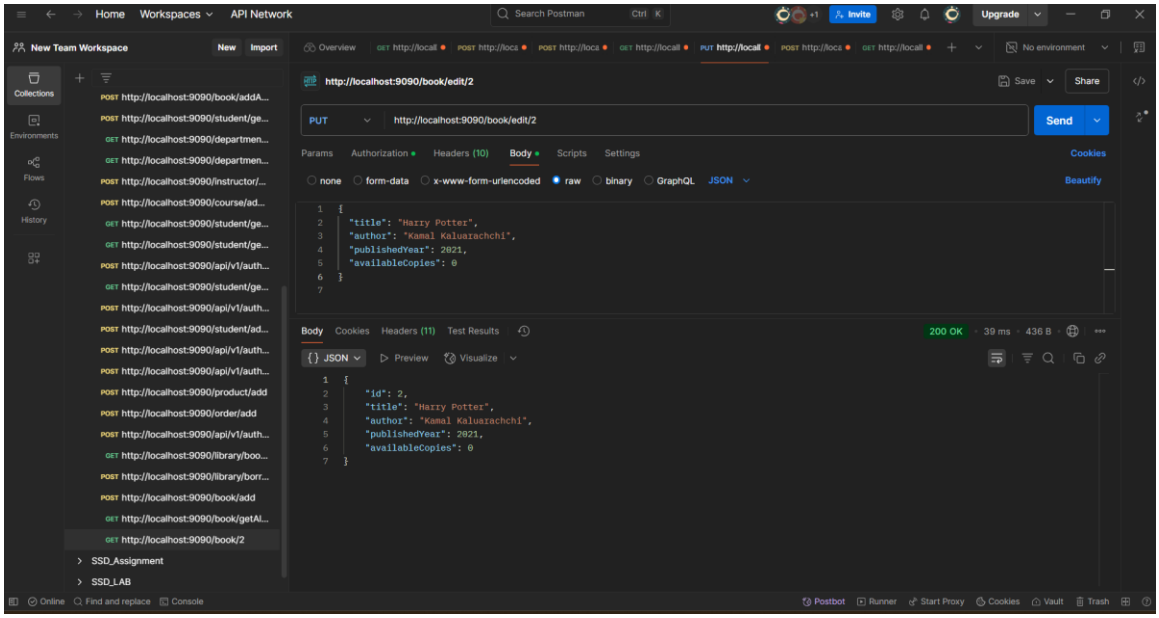


Edit Existing Book

Endpoint: PUT /books/edit/{bookId}

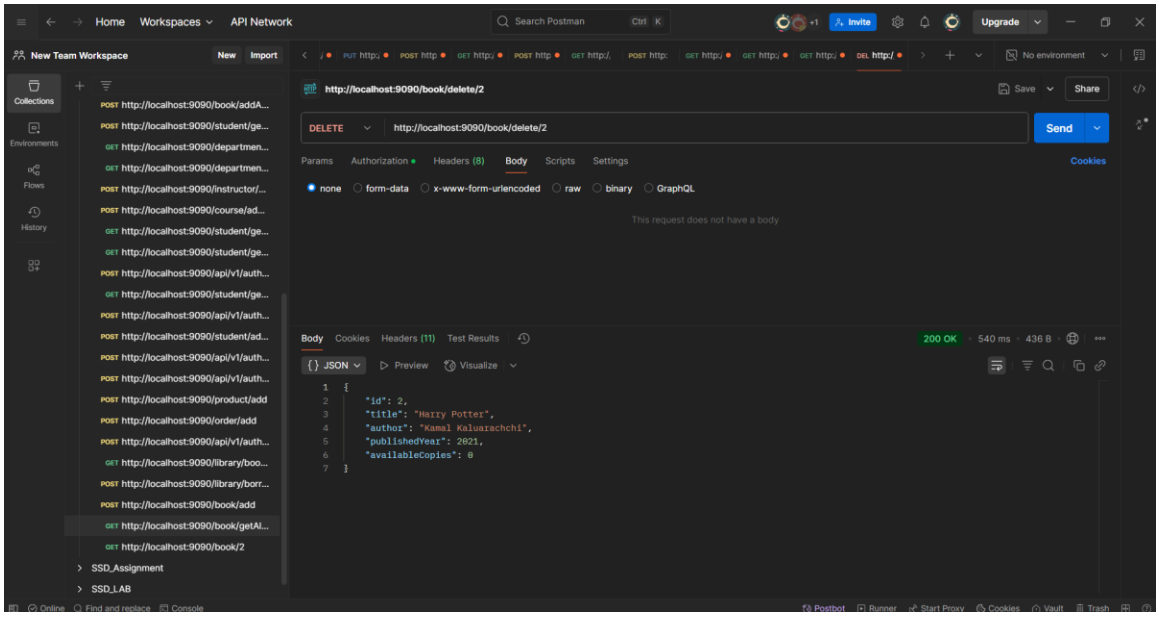
Request Body:

```
{
  "title": "Clean Code",
  "author": "Robert C. Martin",
  "publishedYear": 2008,
  "availableCopies": 3
}
```

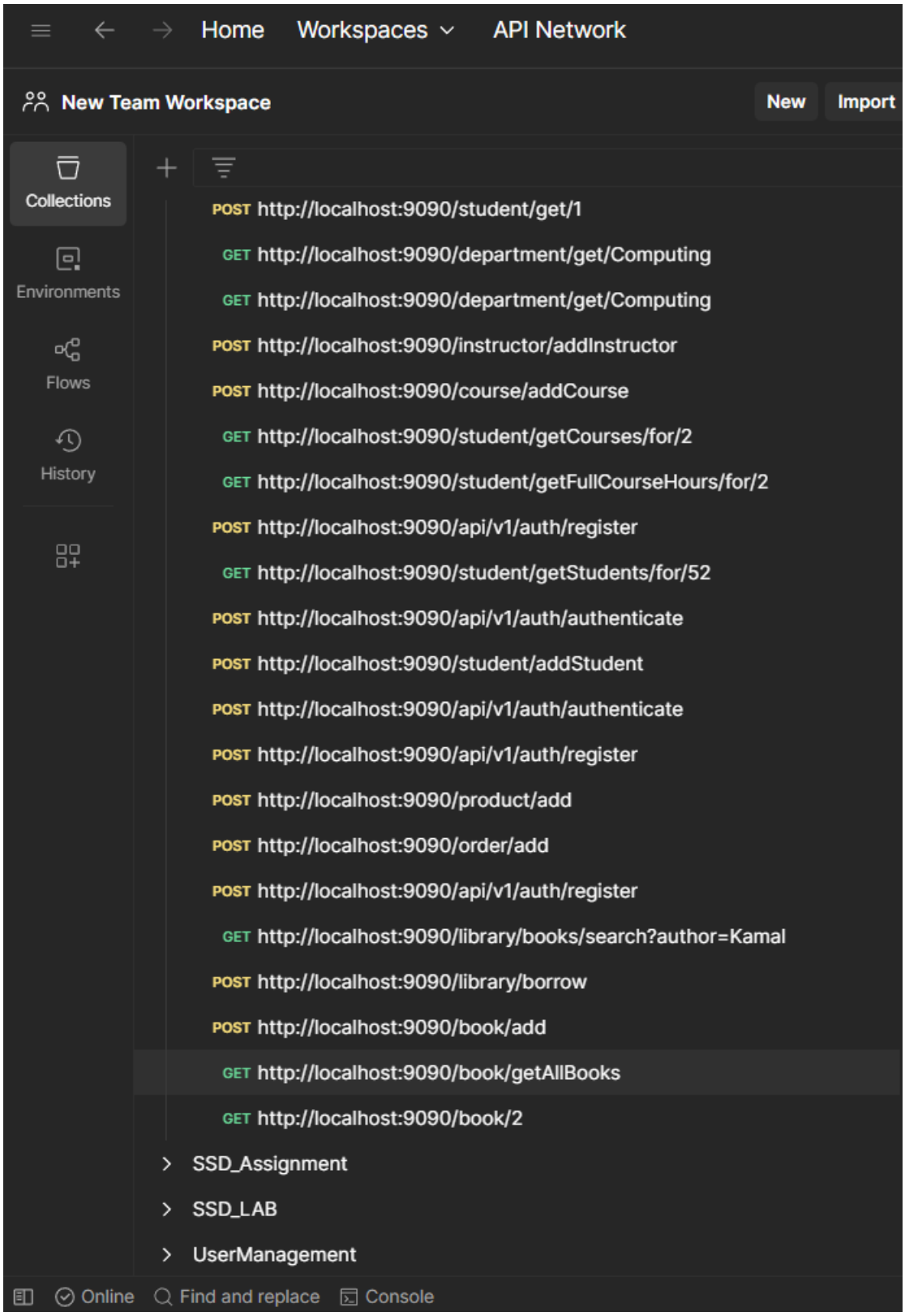


Delete Existing Book

Endpoint: PUT /books/edit/{bookId }



POSTMAN COLLECTION



Loggers