

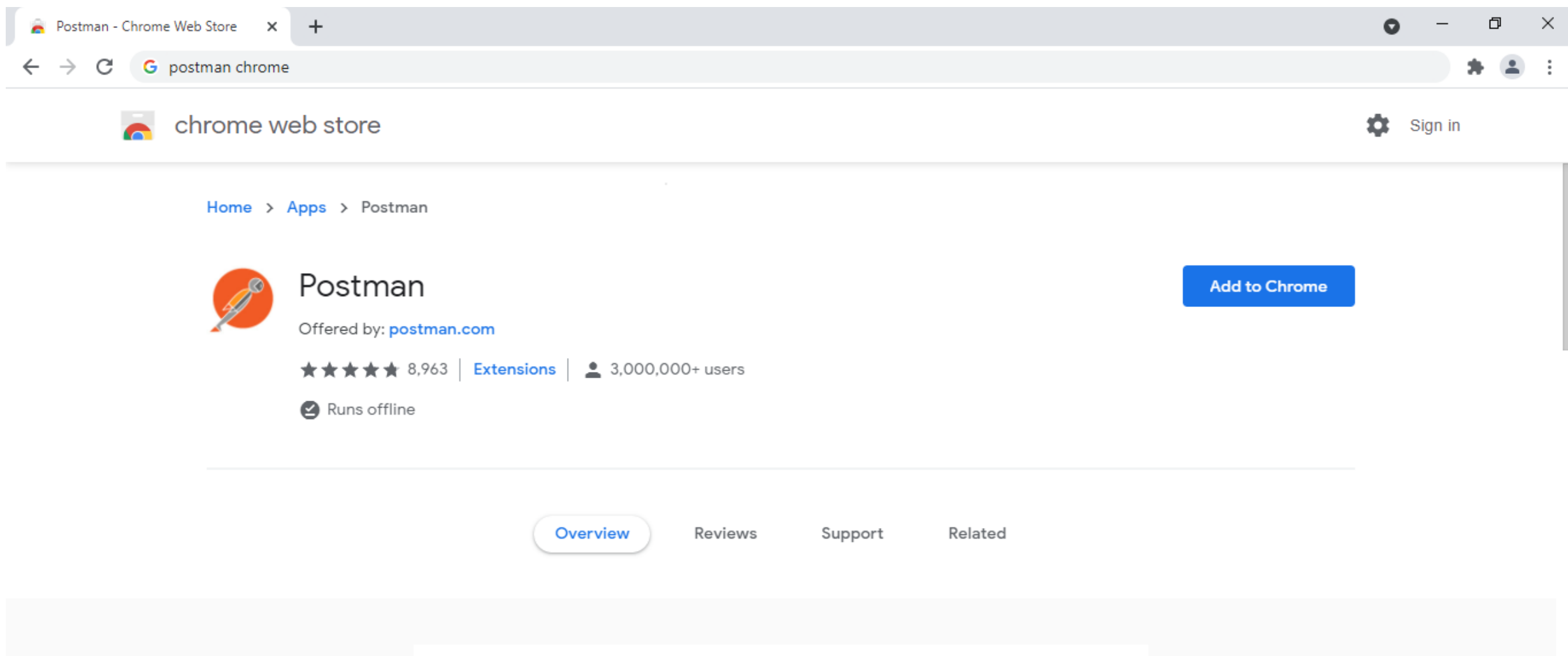


# Bài 5

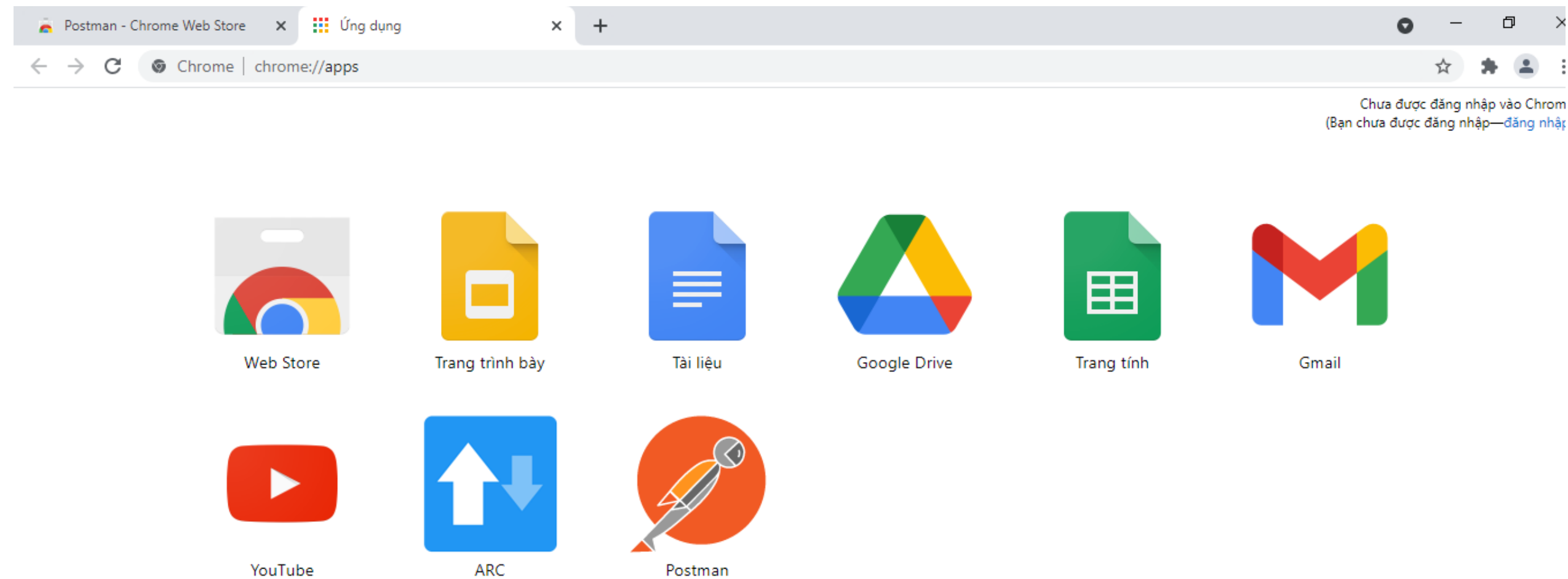
## Chạy Thử Web services với Postman

- ❖ Chạy thử các chức năng của Restful Web services với POSTMAN
  - Get all data
  - Get data by id
  - Insert
  - Update
  - Delete

- ❖ Mở trình duyệt chrome, nhập vào thanh địa chỉ “postman chrome”, chọn Add to Chrome




# Kết quả thêm post man vào trình duyệt chrome



- Khởi động post man và chọn Sign up with Google

Enterprise user? [Sign in here](#)



Sign Up with Google

OR

email

username

password

Sign Up (it's free)

By signing up you agree to the [EULA](#)

Why Sign Up

✓ Share and manage your Postman Collections

✓ Sync your Postman data across devices

✓ Backup your Postman data

# Màn hình sau đăng nhập của post man

The screenshot shows the Postman web application interface. At the top, there's a dark navigation bar with buttons for 'NEW', 'Runner', 'Import', and 'Builder'. A 'Team Library' link is also present. On the right of the navigation bar, there's a 'haithanh...' dropdown menu and several icons for syncing, notifications, and favorites. Below the navigation bar, an orange banner displays a message: 'You must use v7.0 or higher to access your workspaces and collections. See what's new'. The main interface is divided into two panels. The left panel contains a 'Filter' search bar and tabs for 'History' and 'Collections'. The 'History' tab is active, showing a message: 'Nothing in your history yet. Requests that you send through Postman are automatically saved here.' The right panel is the main workspace, featuring a 'New Tab' button, a 'No Environment' dropdown, and a 'Send' button. Below these, there's a 'GET' dropdown and a text input for 'Enter request URL'. A 'Params' tab is visible. The 'Authorization' tab is selected, showing a 'Type' dropdown set to 'No Auth'. Below the authorization section, there's a 'Response' section. At the bottom of the workspace, there's a message: 'Hit the Send button to get a response.' followed by a row of buttons: 'Share', 'Mock', 'Monitor', and 'Document'.

# Test chức năng get all data

The screenshot shows the Postman application interface. At the top, there's a navigation bar with buttons for 'NEW', 'Runner', 'Import', and 'Builder'. A status bar below it indicates 'You must use v7.0 or higher to access your workspaces and collections. See what's new'. The left sidebar contains a 'Filter' search bar, 'History' and 'Collections' tabs, and a 'Today' section listing recent requests. The main workspace is configured with a 'GET' request to 'http://localhost:8080/Webservice\_Session05\_DB/rest/book-service/listBooks'. The 'Authorization' tab is selected, showing 'No Auth'. The 'Body' tab is also visible. The response is displayed in the 'Test Results' section, showing a status of '200 OK' and a time of '32 ms'. The response body is a JSON array containing one book object.

NEW Runner Import Builder Team Library

! You must use v7.0 or higher to access your workspaces and collections. [See what's new](#)

Filter

History Collections

Clear all

▼ Today

GET http://localhost:8080/Webservice\_Session05\_DB/rest/book-service/listBooks

GET http://localhost:8080/Webservice\_Session05\_DB/rest/book-service/listBooks

Authorization Headers Body Pre-request Script Tests

Type No Auth

Body Cookies Headers (5) Test Results

Status: 200 OK Time: 32 ms

Pretty Raw Preview JSON

```
1 [
2   {
3     "bookId": 1,
4     "bookName": "Lập trình Java",
5     "author": "Nguyễn Thanh Hải",
6     "publisher": "NXB Giáo Dục",
7     "publishDate": "Dec 21, 2020 12:00:00 AM",
8     "pages": 1500,
9     "price": 300000
10  }
11 ]
```

# Test chức năng insert data

The screenshot shows the Postman application interface. At the top, there's a navigation bar with 'NEW', 'Runner', 'Import', and 'Builder' tabs. A notification banner states: 'You must use v7.0 or higher to access your workspaces and collections. See what's new'. Below this, the left sidebar contains a 'Filter' search bar, 'History' and 'Collections' tabs, and a 'Clear all' button. The main workspace is divided into several sections. The top section shows the request URL: 'http://localhost:8080/WebService\_Session05\_DB/rest/book-service/insertBook'. The method is set to 'POST'. The 'Body' tab is selected, and the format is 'JSON (application/json)'. The JSON body is as follows:

```
1 {
2   "bookId": 0,
3   "bookName": "Lập trình Web API",
4   "author": "Nguyễn Thành Nam",
5   "publisher": "NXB Tuổi Trẻ",
6   "publishDate": "2020-05-26",
7   "pages": 2000,
8   "price": 400000
9 }
```

Below the body, the 'Test Results' tab is active, showing a status of '200 OK' and a time of '124 ms'. The response body is displayed as 'true'.



# Test chức năng update data

The screenshot shows the Postman application interface. At the top, there's a dark header with buttons for 'NEW', 'Runner', 'Import', and 'Builder'. A notification bar states: 'You must use v7.0 or higher to access your workspaces and collections. See what's new'. Below this, a left sidebar contains a 'Filter' search bar and a 'History' tab. The history list shows three recent requests: a POST to update a book, a GET to list books, and a POST to insert a book. The main workspace is configured for a POST request to 'http://localhost:8080/Webservice\_Session05\_DB/rest/book-service/updateBook'. The 'Body' tab is selected, showing a JSON payload with book details. The bottom status bar indicates a successful response with 'Status: 200 OK' and 'Time: 60 ms'.

NEW Runner Import

Builder Team Library

haithanhh... SYNCING

! You must use v7.0 or higher to access your workspaces and collections. [See what's new](#)

Filter

History Collections

Clear all

▼ Today

- POST http://localhost:8080/Webservice\_Session05\_DB/rest/book-service/updateBook
- GET http://localhost:8080/Webservice\_Session05\_DB/rest/book-service/listBooks
- POST http://localhost:8080/Webservice\_Session05\_DB/rest/book-service/insertBook

POST http://localhost:8080/Webservice\_Session05\_DB/rest/book-service/updateBook

Params Send Save

Authorization Headers (1) Body Pre-request Script Tests Code

form-data x-www-form-urlencoded raw binary JSON (application/json)

```
1 {
2   "bookId": 3,
3   "bookName": "Lập trình Android",
4   "author": "Lê Bá Đức",
5   "publisher": "NXB Tuổi Trẻ",
6   "publishDate": "May 26, 2020 12:00:00 AM",
7   "pages": 2000,
8   "price": 400000
9 }
```

Body Cookies Headers (5) Test Results

Status: 200 OK Time: 60 ms

Pretty Raw Preview Text

1 true

# Test chức năng get book by id

The screenshot shows the Postman application interface. At the top, there's a dark header with buttons for 'NEW', 'Runner', 'Import', and 'Builder'. A notification bar below the header states: 'You must use v7.0 or higher to access your workspaces and collections. See what's new'. The left sidebar contains a 'Filter' search bar, 'History' and 'Collections' tabs, and a 'Clear all' button. Under the 'History' tab, a list of recent requests is shown, including GET and POST requests to a book service. The main workspace displays a GET request to 'http://localhost:8080/Webservice\_Session05\_DB/rest/book-service/getBookById/1'. The 'Authorization' tab is selected, showing 'No Auth'. The 'Body' tab is also visible, showing a JSON response with book details. The status bar at the bottom right indicates 'Status: 200 OK' and 'Time: 57 ms'.

NEW Runner Import Builder Team Library

haithanh... SYNCING

! You must use v7.0 or higher to access your workspaces and collections. [See what's new](#)

Filter

History Collections

Clear all

▼ Today

- GET http://localhost:8080/Webservice\_Session05\_DB/rest/book-service/getBookById/1
- GET http://localhost:8080/Webservice\_Session05\_DB/rest/book-service/listBooks
- POST http://localhost:8080/Webservice\_Session05\_DB/rest/book-service/updateBook
- POST http://localhost:8080/Webservice\_Session05\_DB/rest/book-service/insertBook

GET http://localhost:8080/Webservice\_Session05\_DB/rest/book-service/getBookById/1

Params Send Save

Authorization Headers Body Pre-request Script Tests Code

Type No Auth

Body Cookies Headers (5) Test Results Status: 200 OK Time: 57 ms

Pretty Raw Preview JSON

```
1 {
2   "bookId": 1,
3   "bookName": "Lập trình Java",
4   "author": "Nguyễn Thanh Hải",
5   "publisher": "NXB Giáo Dục",
6   "publishDate": "Dec 21, 2020 12:00:00 AM",
7   "pages": 1500,
8   "price": 300000
9 }
```

# Test chức năng delete data

The screenshot shows the Postman application interface. At the top, there's a dark header with buttons for 'NEW', 'Runner', 'Import', and 'Builder'. A notification bar below the header states: 'You must use v7.0 or higher to access your workspaces and collections. See what's new'. The left sidebar contains a 'Filter' search bar, 'History' and 'Collections' tabs, and a 'Clear all' button. Under the 'History' tab, a list of recent requests is shown, including a DELETE request for deleting a book. The main workspace is currently displaying a DELETE request to 'http://localhost:8080/Webservice\_Session05\_DB/rest/book-service/deleteBook/1'. The 'Authorization' tab is selected, showing 'No Auth'. Below this, the 'Body' tab is active, displaying the response 'true' in a 'Pretty' format. The status bar at the bottom right indicates 'Status: 200 OK' and 'Time: 9'.

NEW Runner Import Builder Team Library

! You must use v7.0 or higher to access your workspaces and collections. [See what's new](#)

Filter

History Collections

Clear all

▼ Today

- DEL http://localhost:8080/Webservice\_Session05\_DB/rest/book-service/deleteBook/1
- GET http://localhost:8080/Webservice\_Session05\_DB/rest/book-service/listBooks
- GET http://localhost:8080/Webservice\_Session05\_DB/rest/book-service/getBookById/1
- POST http://localhost:8080/Webservice\_Session05\_DB/rest/book-service/updateBook
- POST http://localhost:8080/Webservice\_Session05\_DB/rest/book-service/insertBook

DELETE http://localhost:8080/Webservice\_Session05\_DB/rest/book-service/deleteBook/1

Params Send Save

Authorization Headers Body Pre-request Script Tests

Type No Auth

Body Cookies Headers (5) Test Results

Status: 200 OK Time: 9

Pretty Raw Preview Text

```
1 true
```

# HỎI ĐÁP





# TRẢI NGHIỆM THỰC HÀNH

## HỆ THỐNG ĐÀO TẠO CNTT QUỐC TẾ BACHKHOA - APTECH



# TRÂN TRỌNG CẢM ƠN!



238 Hoàng Quốc Việt, Bắc Từ Liêm, Hà Nội



0968.27.6996



[tuyensinh@bachkhoa-aptech.edu.vn](mailto:tuyensinh@bachkhoa-aptech.edu.vn)



[www.bachkhoa-aptech.edu.vn](http://www.bachkhoa-aptech.edu.vn)