

Simple Books API

The Simple Books API allows users to reserve books and perform various actions like viewing, ordering, updating, and deleting orders.

API Base URL: <https://simple-books-api.glitch.me>

1. API Authentication (Create Bearer Token)

To access certain features, you need to register your API client and obtain a Bearer token.

Endpoint:

POST <https://simple-books-api.glitch.me/api-clients/>

Request Body (JSON):

```
{
  "clientName": "Pavan",
  "clientEmail": "pavanabc@example.com"
}
```

Properties:

- clientName (String) - Required
- clientEmail (String) - Required

Response:

The response contains an access token valid for **7 days**.

Error:

- **Status Code 409:** "API client already registered." (Use a different clientName or clientEmail to resolve.)

2. Check API Status

Retrieve the current status of the API.

Endpoint: GET <https://simple-books-api.glitch.me/status>

3. List Books

Get a list of available books.

Endpoint: GET <https://simple-books-api.glitch.me/books>

Optional Query Parameters:

- type (String) - Specify "fiction" or "non-fiction".
- limit (Integer) - A number between **1** and **20** to limit results.

4. Get Single Book

Retrieve detailed information about a specific book.

Endpoint: GET <https://simple-books-api.glitch.me/books/{bookId}>

Example: GET /books/1 (where 1 is the bookId).

5. Submit an Order

Place a new book order. Requires **Bearer token** authentication.

Endpoint: POST <https://simple-books-api.glitch.me/orders>

Request Body (JSON):

```
{
  "bookId": 1,
  "customerName": "John"
}
```

Properties:

- bookId (Integer) - Required
- customerName (String) - Required

Response:

The response contains the orderId.

6. Get All Orders

View all existing orders. Requires **Bearer token** authentication.

Endpoint: GET <https://simple-books-api.glitch.me/orders>

7. Get a Single Order

View details of a specific order. Requires **Bearer token** authentication.

Endpoint: GET <https://simple-books-api.glitch.me/orders/{orderId}>

8. Update an Order

Modify an existing order. Requires **Bearer token** authentication.

Endpoint: PATCH <https://simple-books-api.glitch.me/orders/{orderId}>

Request Body (JSON):

```
{  
  "customerName": "John"  
}
```

Properties:

- customerName (String) - Optional (allows updating customer name).

9. Delete an Order

Remove an existing order. Requires **Bearer token** authentication.

Endpoint: DELETE <https://simple-books-api.glitch.me/orders/{orderId}>