

# Simple Books API

This API allows you to reserve a book.

The API is available at <https://simple-books-api.glitch.me>

## Endpoints

### Status

GET /status

Returns the status of the API.

### List of books

GET /books

Returns a list of books.

Optional query parameters:

- type: fiction or non-fiction
- limit: a number between 1 and 20.

### Get a single book

GET /books/:bookId

Retrieve detailed information about a book.

### Submit an order

POST /orders

Allows you to submit a new order. Requires authentication.

The request body needs to be in JSON format and include the following properties:

- **bookId** - Integer - Required
- **customerName** - String - Required

Example

POST /orders/

Authorization: Bearer <YOUR TOKEN>

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

The response body will contain the order Id.

### **Get all orders**

GET /orders

Allows you to view all orders. Requires authentication.

### **Get an order**

GET /orders/:orderId

Allows you to view an existing order. Requires authentication.

### **Update an order**

PATCH /orders/:orderId

Update an existing order. Requires authentication.

The request body needs to be in JSON format and allows you to update the following properties:

- `customerName` - String

Example

PATCH /orders/PF6MflPDcuhWobZcgmJy5

Authorization: Bearer <YOUR TOKEN>

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

### **Delete an order**

DELETE /orders/:orderId

Delete an existing order. Requires authentication.

The request body needs to be empty.

Example

DELETE /orders/PF6MflPDcuhWobZcgmJy5

Authorization: Bearer <YOUR TOKEN>

## **API Authentication**

To submit or view an order, you need to register your API client.

POST /api-clients/

The request body needs to be in JSON format and include the following properties:

- `clientName` - String
- `clientEmail` - String

Example

```
{  
  "clientName": "Postman",  
  "clientEmail": "valentin@example.com"  
}
```

The response body will contain the access token. The access token is valid for 7 days.

#### **Possible errors**

Status code 409 - “API client already registered.” Try changing the values for `clientEmail` and `clientName` to something else.