# # 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 like 1/2/3/4…**

**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/:ordered 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": "shubham@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.**