

# -Simple Book API report-

API Testing Using Postman

<i>Item</i>	<i>Link</i>
<i>GitHub Repository</i>	<a href="#">Simple-book-API</a>
<i>Postman documentation</i>	<a href="#">Simple Book API</a>
<i>Simple Book API</i>	<a href="#">API sample</a>

## Contents

INTRODUCTION .....	3
COLLECTION DESCRIPTION .....	3
API OVERVIEW .....	4
TESTS .....	5
Popis priloga .....	8

## INTRODUCTION

The Simple Book API - Postman Collection project demonstrates the process of testing RESTful APIs using Postman. The purpose of this work is to validate the functionality of the Simple Book API through a structured set of test cases, organized within Postman collections and supported by an environment configuration.

## COLLECTION DESCRIPTION

Collection name: Simple Book API

Environment name: Simple Book API

All Variables:

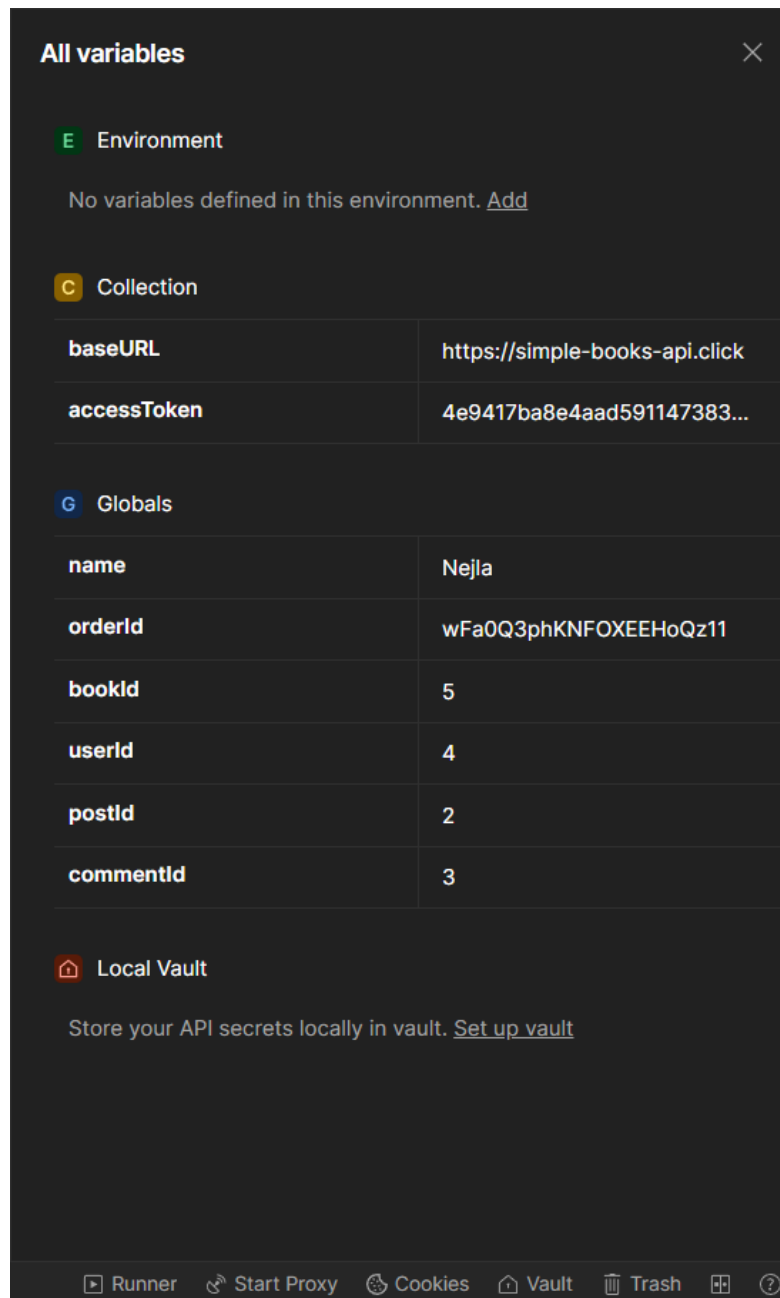


Figure 1 All variables

## API OVERVIEW

{{baseUrl}} = https://simple-books-api.click

Endpoint	Method	Description
/status	GET	Checks status.
/books?type=non-fiction	GET	Retrieves a single book by type.

/books/:bookId	GET	Retrieves a single book.
/api-clients	POST	Creates a new user.
/orders	POST	Creates a new order.
/orders/:orderId	GET	Retrieves a single order.
/orders/:orderId	PATCH	Updates one or more fields.
/orders/:orderId	DEL	Deletes order.

Example of a request and response:

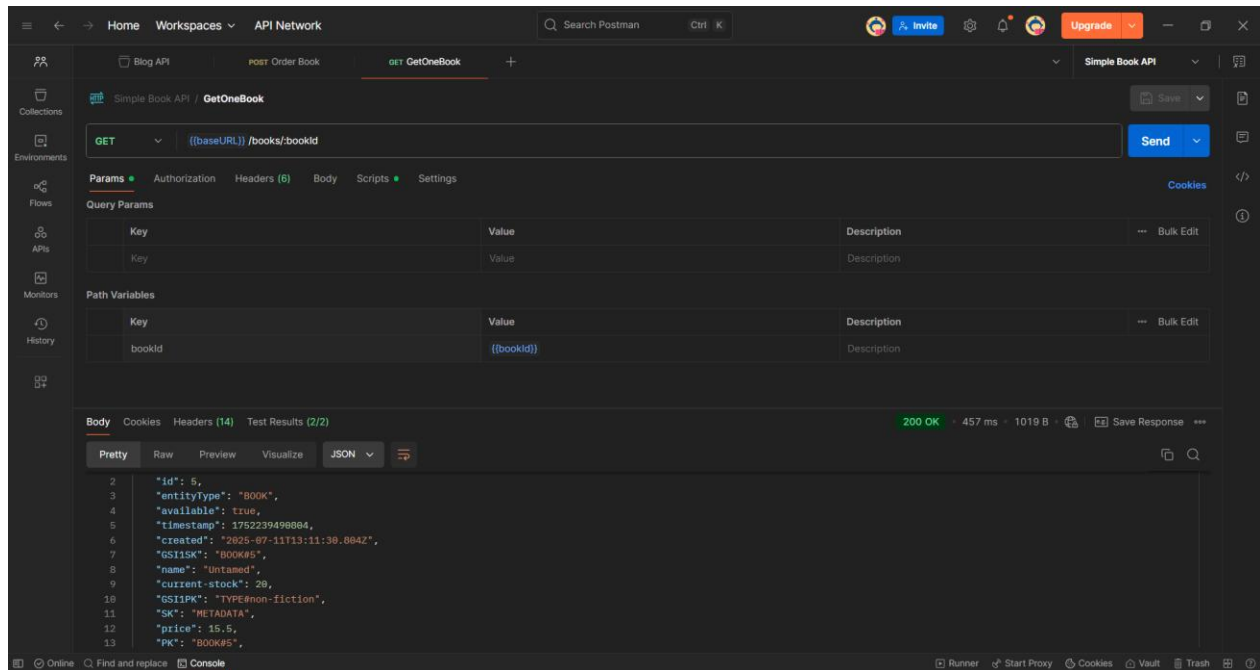


Figure 2 Example of a request and response

## TESTS

Script example for:

Source	Environment	Iterations	Duration	All tests	Avg. Resp. Time [ms]
Runner	Simple Book API	1	3s 566ms	11	331

Passed	Failed	Skipped
10	1	0

Functional Test report:

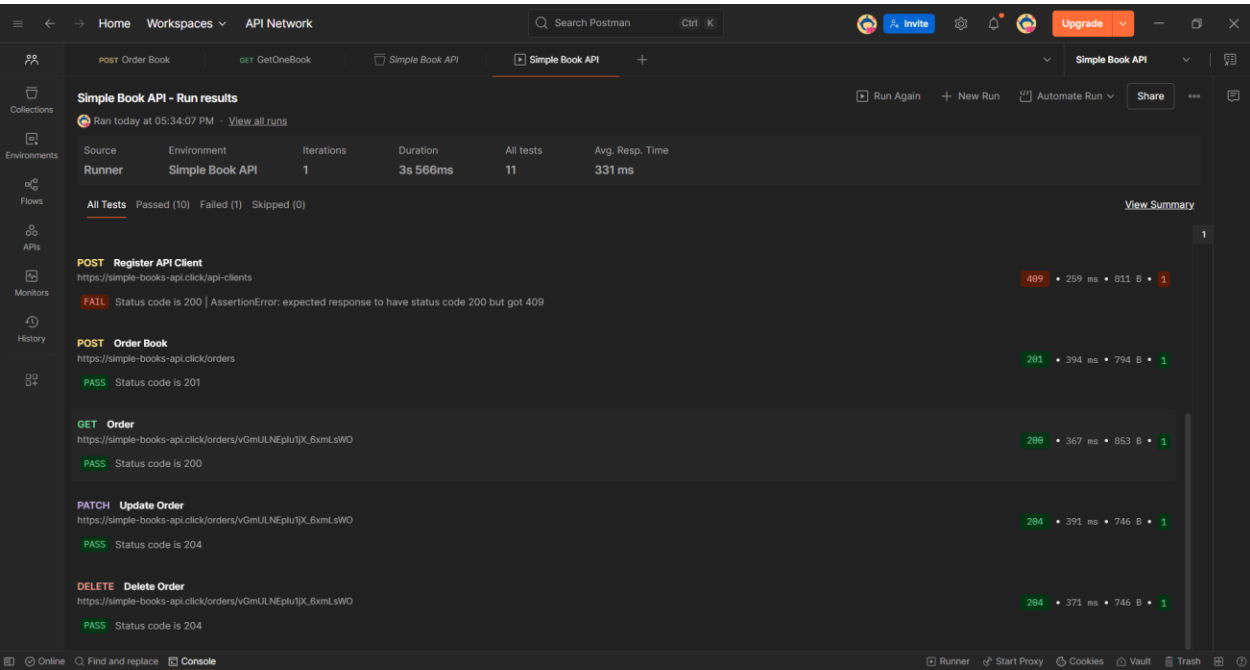


Figure 3 Functional Test report

Load Profile	Numver of Virtual Users	Test duration [min]
Ramp up	50	10

Performance Test report:



Figure 4 Performance Test report

## Performance Testing Errors:

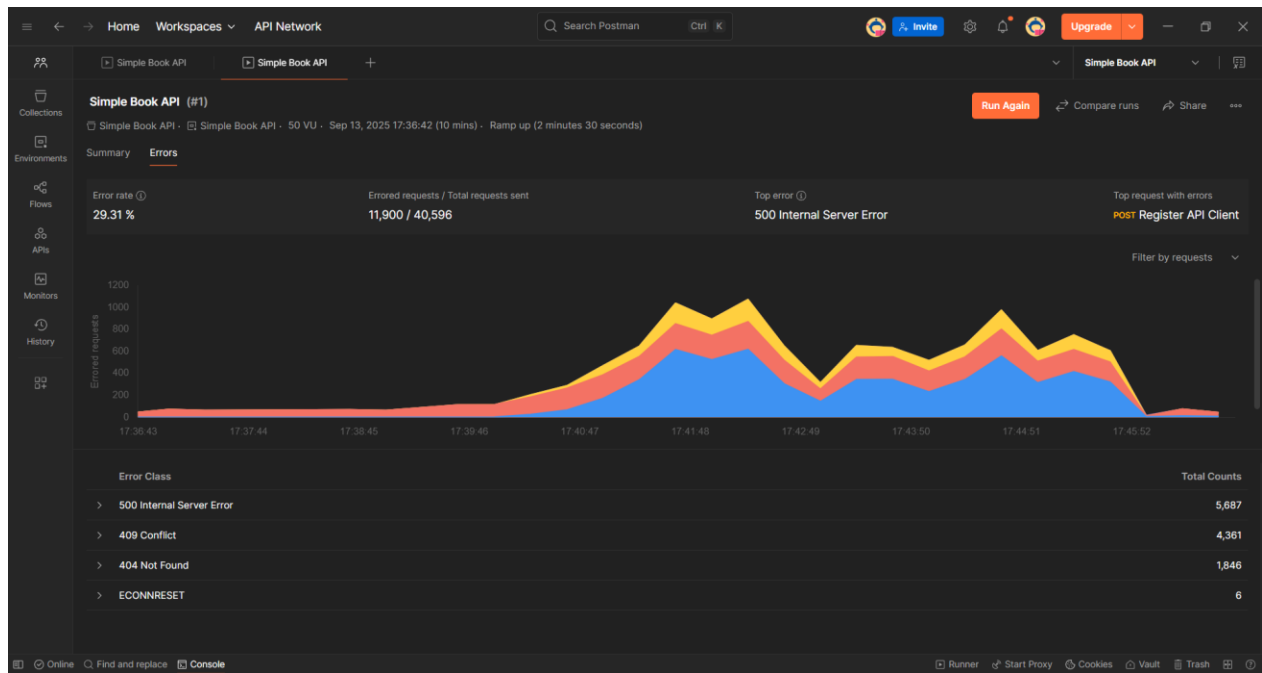


Figure 5 Performance Testing Errors

## Popis priloga

Figure 1 All variables .....	4
Figure 2 Example of a request and response .....	5
Figure 3 Functional Test report .....	6
Figure 4 Performance Test report.....	6
Figure 5 Performance Testing Errors .....	7