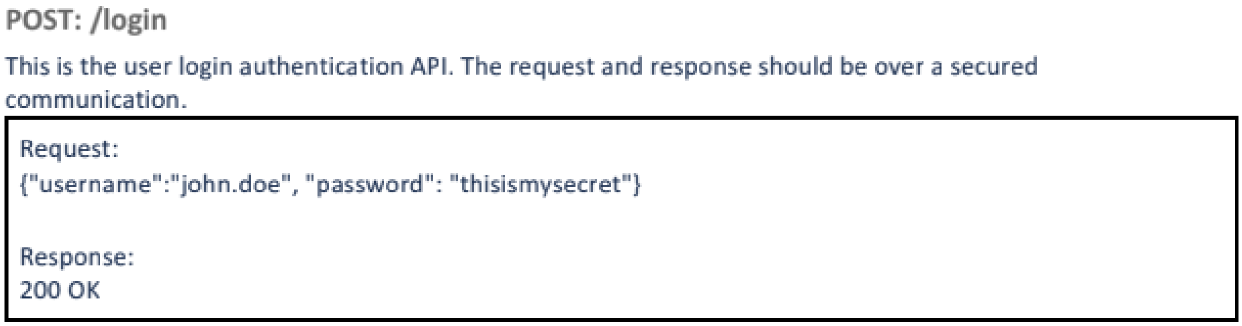
Method □ Request □ Response □

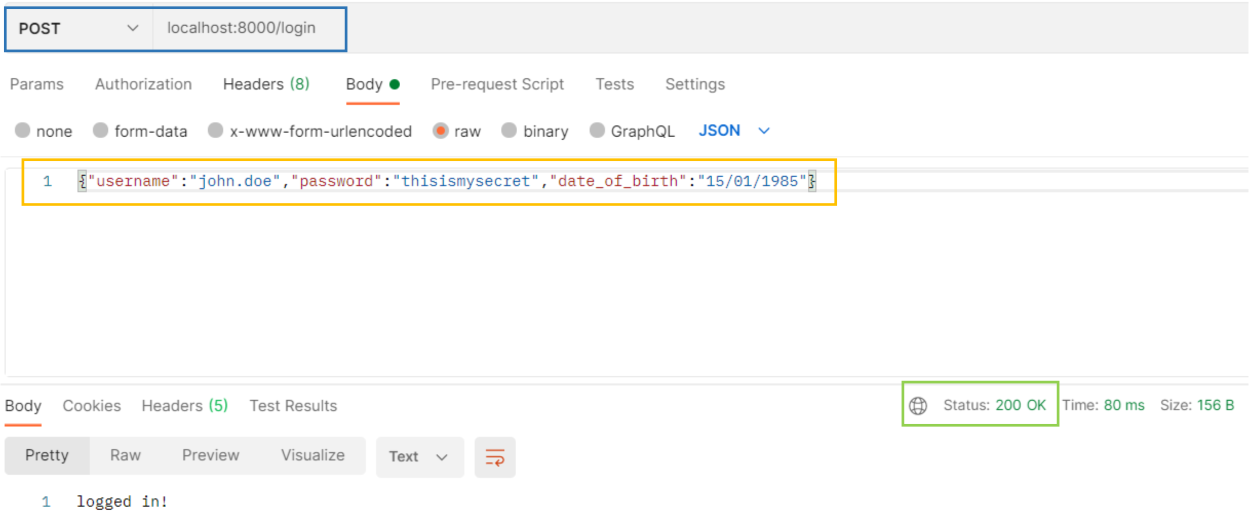


POST: /login

This is the user login authentication API. The request and response should be over a secured communication.

Request:
{"username":"john.doe", "password": "thisismysecret"}

Response:
200 OK

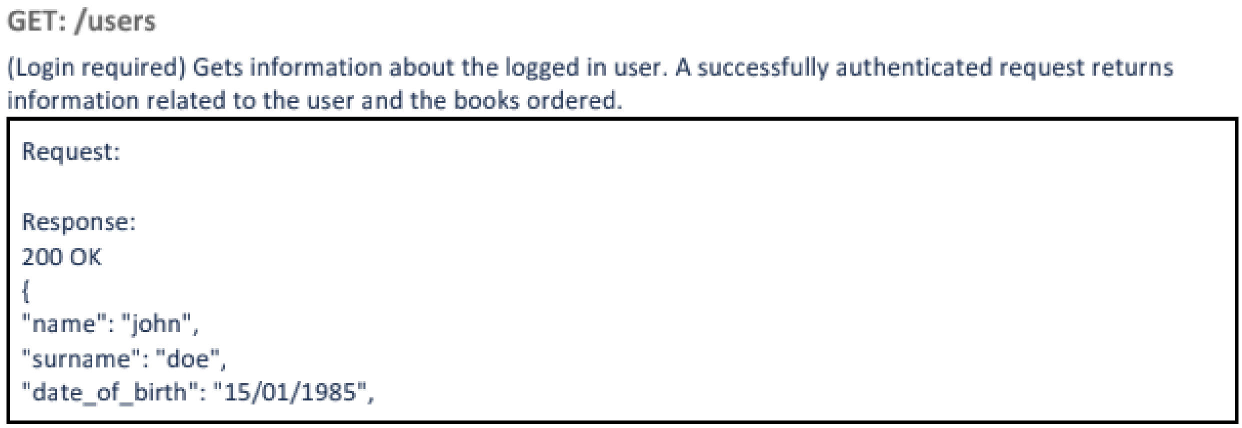


```
localhost:8000/login
```

```
{"username":"john.doe","password":"thisismysecret","date_of_birth":"15/01/1985"}
```

Status: 200 OK Time: 80 ms Size: 156 B

```
logged in!
```

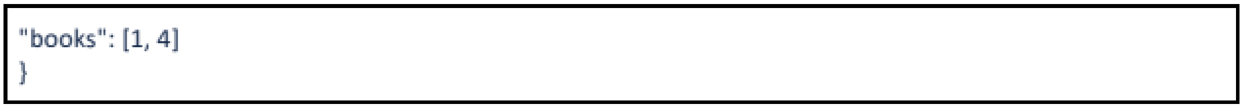


GET: /users

(Login required) Gets information about the logged in user. A successfully authenticated request returns information related to the user and the books ordered.

Request:

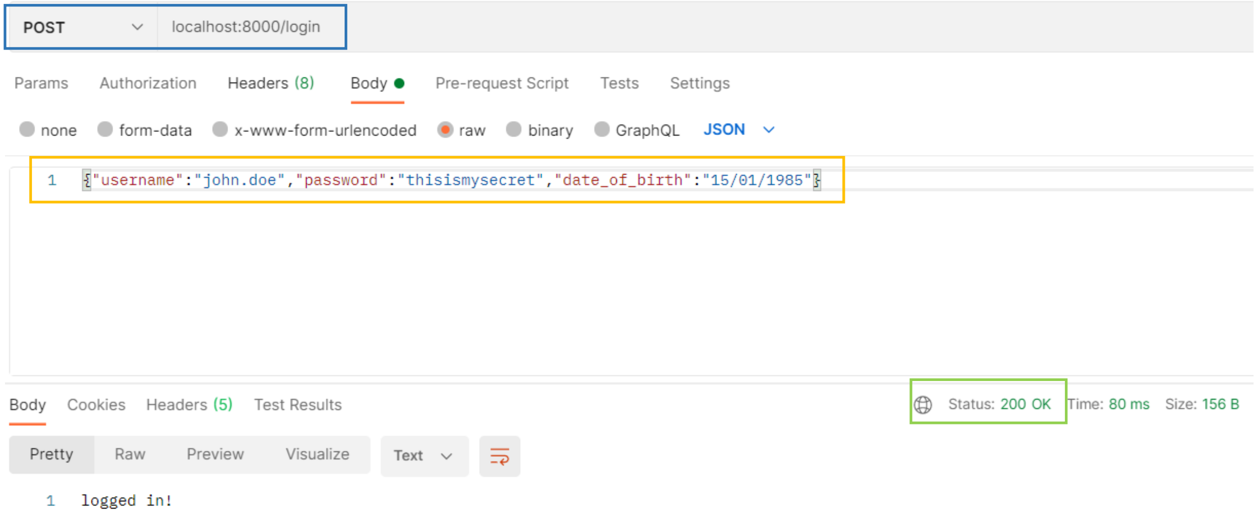
Response:
200 OK
{
"name": "john",
"surname": "doe",
"date_of_birth": "15/01/1985",



"books": [1, 4]
}

For this part, I created a .json file to store the provided information.

Login is required.



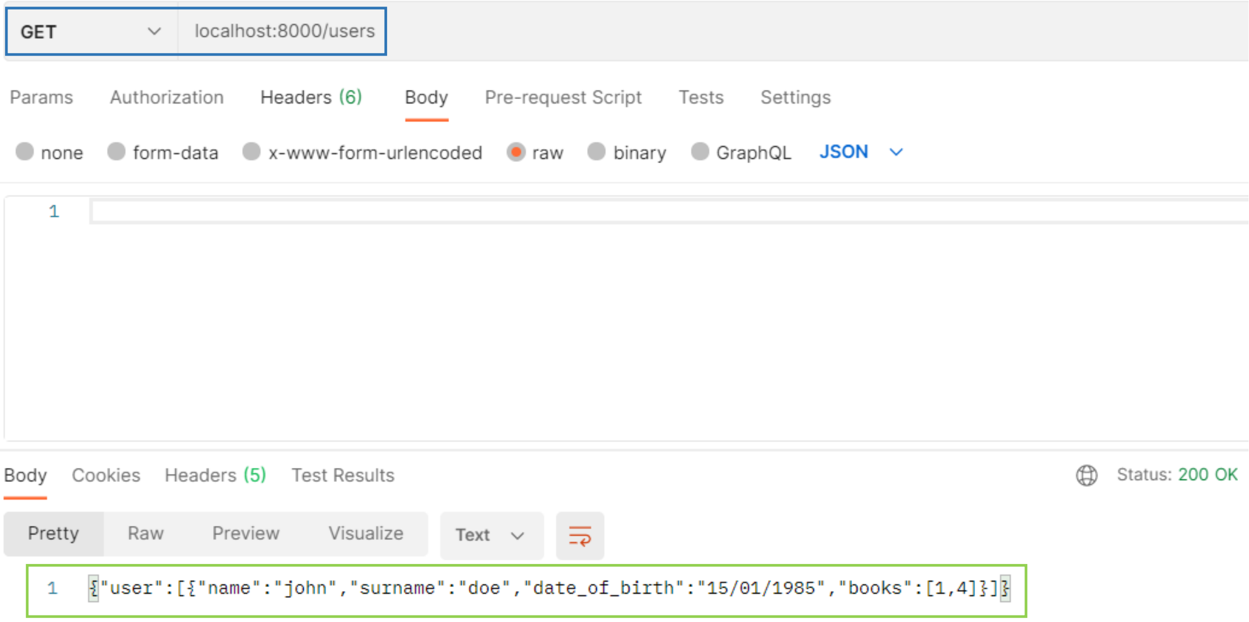
POST localhost:8000/login

```
{"username":"john.doe","password":"thisismysecret","date_of_birth":"15/01/1985"}
```

Status: 200 OK Time: 80 ms Size: 156 B

```
logged in!
```

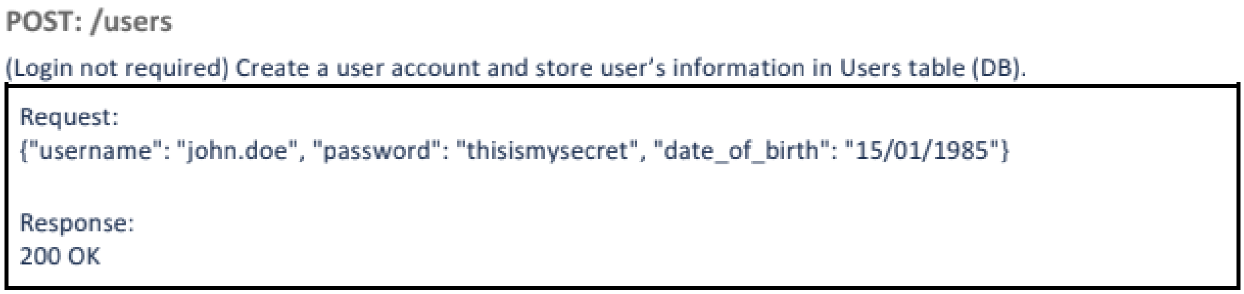
Then getting the information from my created .json file.



GET localhost:8000/users

Status: 200 OK

```
{"user":[{"name":"john","surname":"doe","date_of_birth":"15/01/1985","books":[1,4]}]}
```



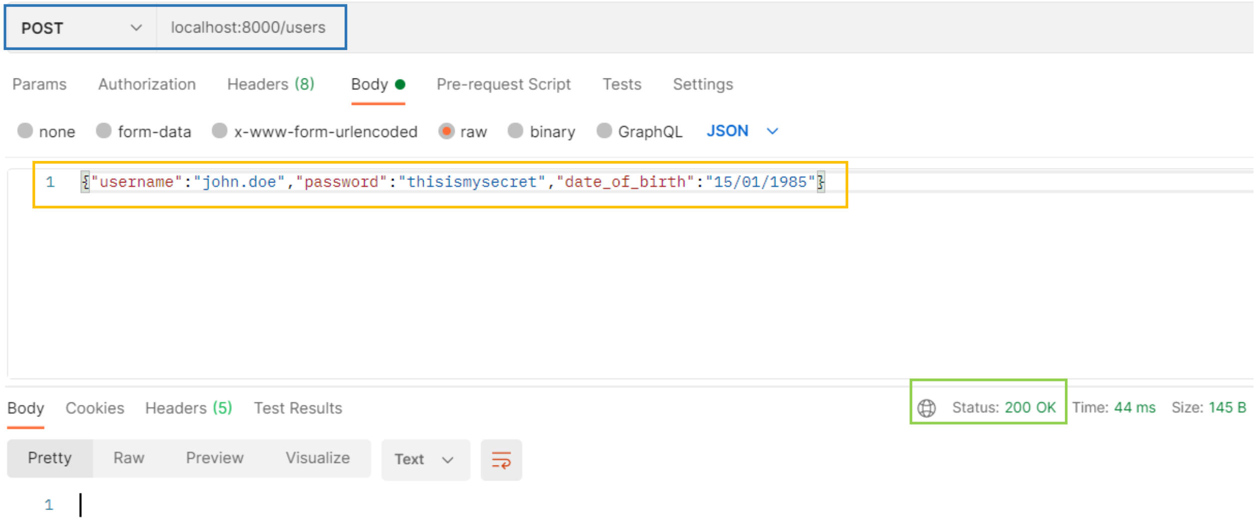
POST: /users

(Login not required) Create a user account and store user's information in Users table (DB).

Request:
{"username": "john.doe", "password": "thisismysecret", "date_of_birth": "15/01/1985"}

Response:
200 OK

I create a user account and store in my created .json file instead DB.

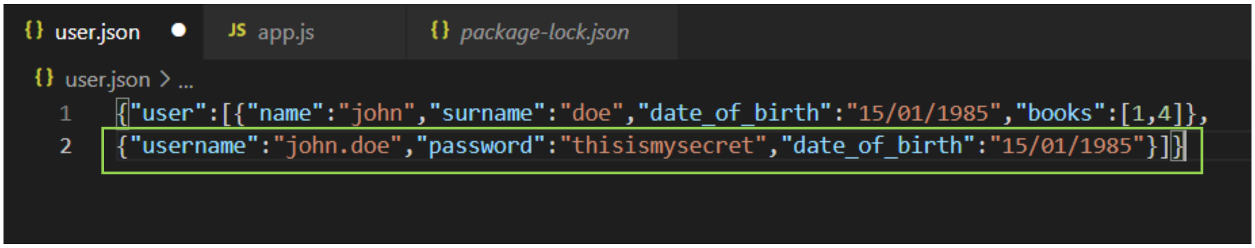


POST localhost:8000/users

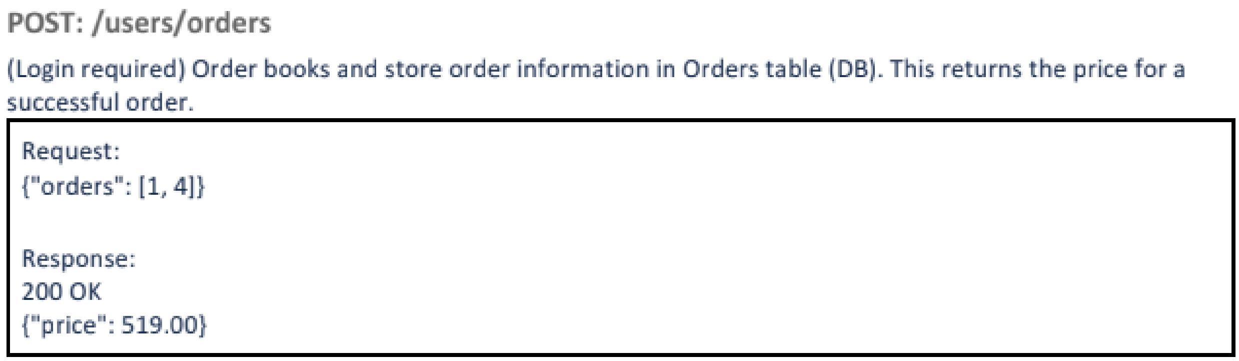
```
{"username":"john.doe","password":"thisismysecret","date_of_birth":"15/01/1985"}
```

Status: 200 OK Time: 44 ms Size: 145 B

The account is added.



```
{"user":[{"name":"john","surname":"doe","date_of_birth":"15/01/1985","books":[1,4]},
{"username":"john.doe","password":"thisismysecret","date_of_birth":"15/01/1985"}]}
```



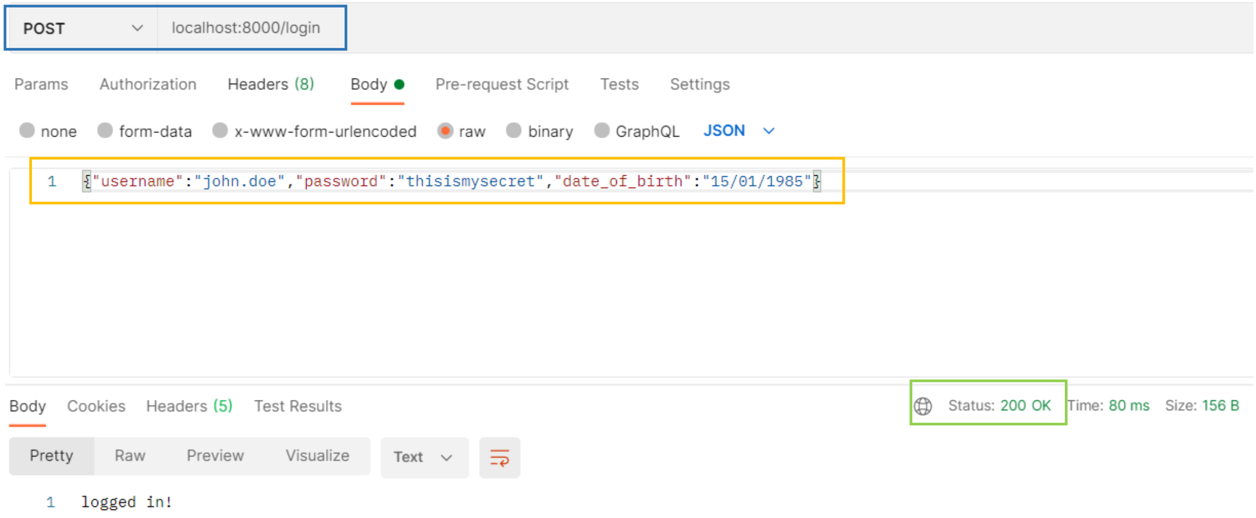
POST: /users/orders

(Login required) Order books and store order information in Orders table (DB). This returns the price for a successful order.

Request:
{"orders": [1, 4]}

Response:
200 OK
{"price": 519.00}

Login is required.



localhost:8000/login

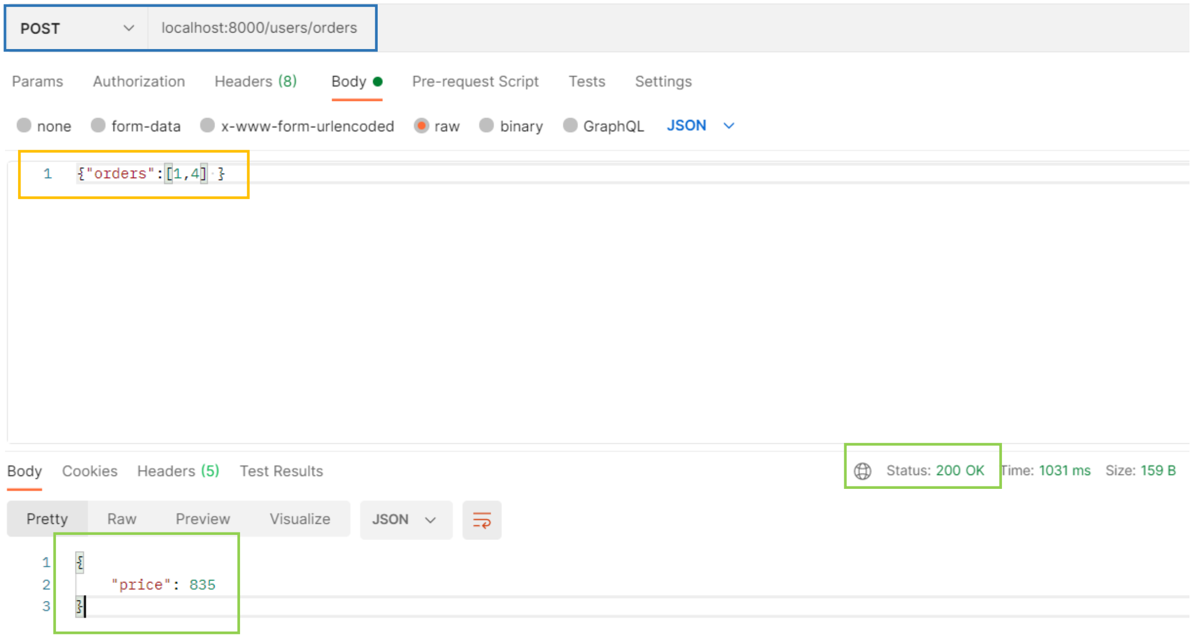
Body: ○ none ○ form-data ○ x-www-form-urlencoded ● raw ○ binary ○ GraphQL JSON

```
{"username":"john.doe","password":"thisismysecret","date_of_birth":"15/01/1985"}
```

Status: 200 OK Time: 80 ms Size: 156 B

```
logged in!
```

Then posting the orders to get their price.



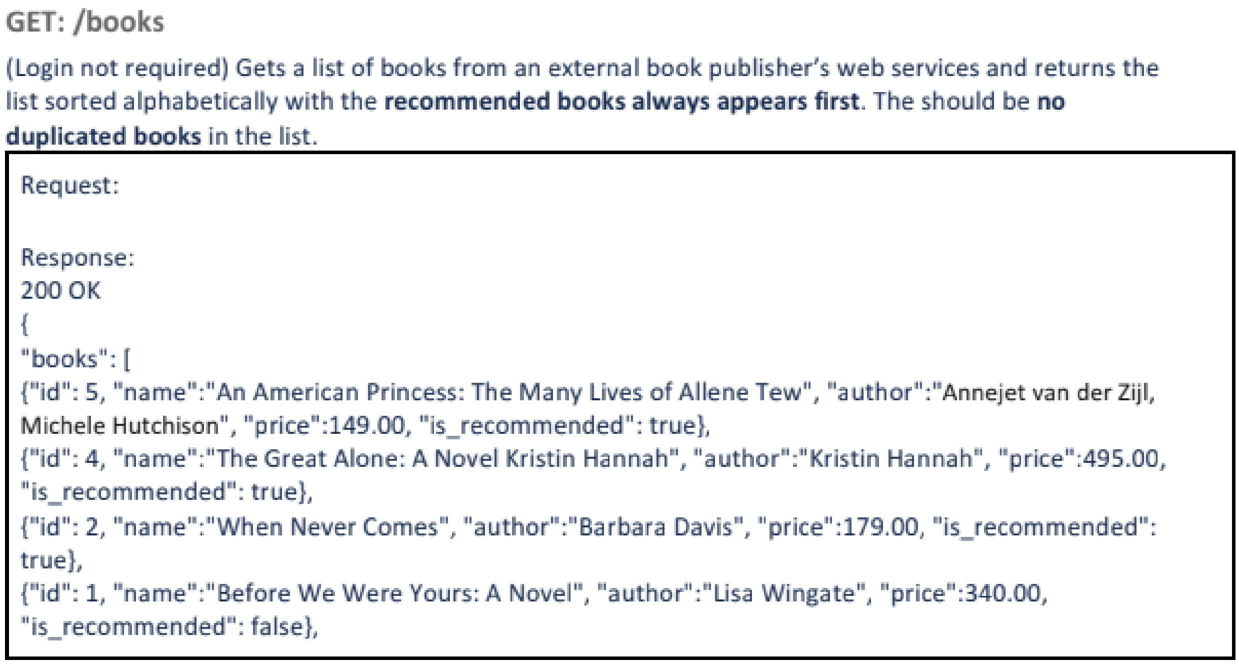
localhost:8000/users/orders

Body: ○ none ○ form-data ○ x-www-form-urlencoded ● raw ○ binary ○ GraphQL JSON

```
{"orders":[1,4] }
```

Status: 200 OK Time: 1031 ms Size: 159 B

```
{
    "price": 835
}
```

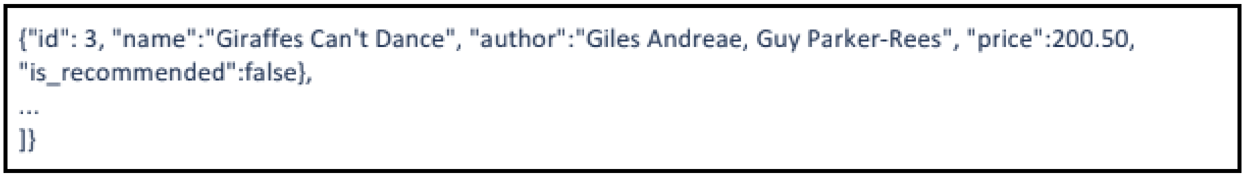


GET: /books

(Login not required) Gets a list of books from an external book publisher's web services and returns the list sorted alphabetically with the **recommended books always appears first**. The should be **no duplicated books** in the list.

```
Request:

Response:
200 OK
{
"books": [
{"id": 5, "name":"An American Princess: The Many Lives of Allene Tew", "author":"Annejet van der Zijl,
Michele Hutchison", "price":149.00, "is_recommended": true},
{"id": 4, "name":"The Great Alone: A Novel Kristin Hannah", "author":"Kristin Hannah", "price":495.00,
"is_recommended": true},
{"id": 2, "name":"When Never Comes", "author":"Barbara Davis", "price":179.00, "is_recommended":
true},
{"id": 1, "name":"Before We Were Yours: A Novel", "author":"Lisa Wingate", "price":340.00,
"is_recommended": false},
```

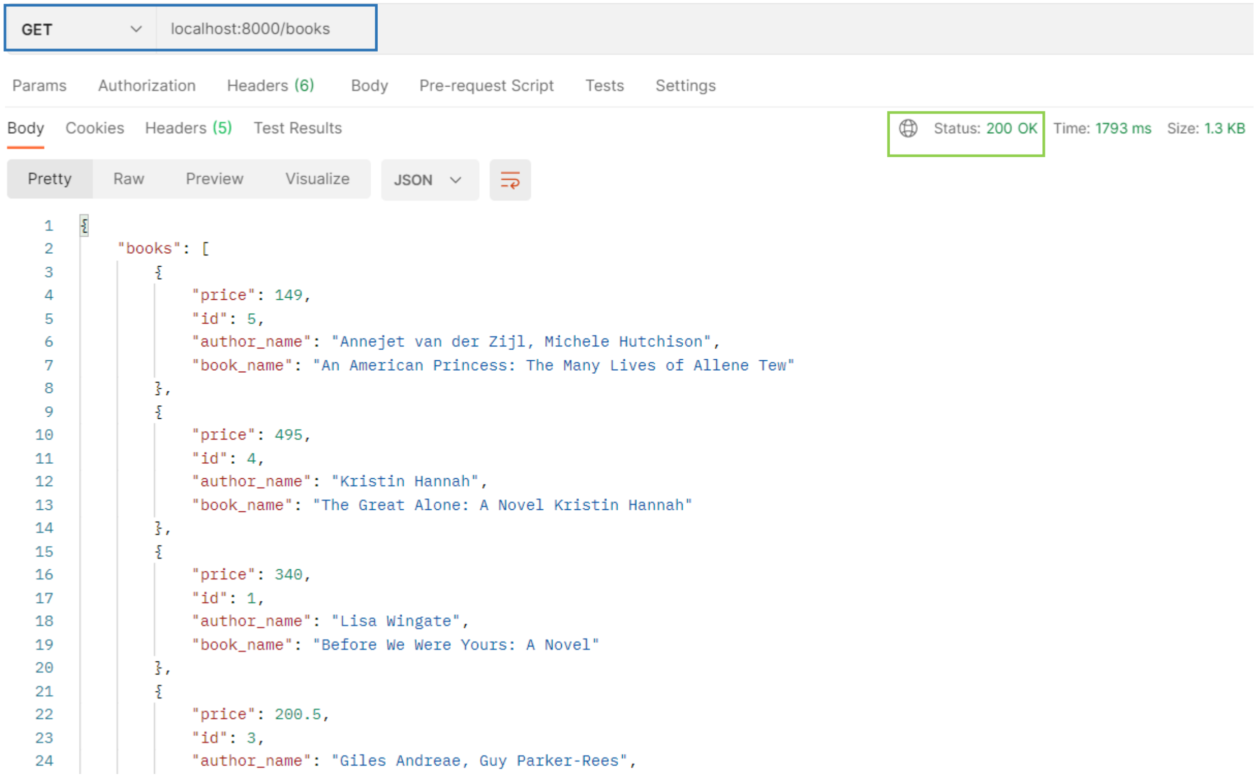


```
{"id": 3, "name":"Giraffes Can't Dance", "author":"Giles Andreae, Guy Parker-Rees", "price":200.50,
"is_recommended":false},
...
]}
```

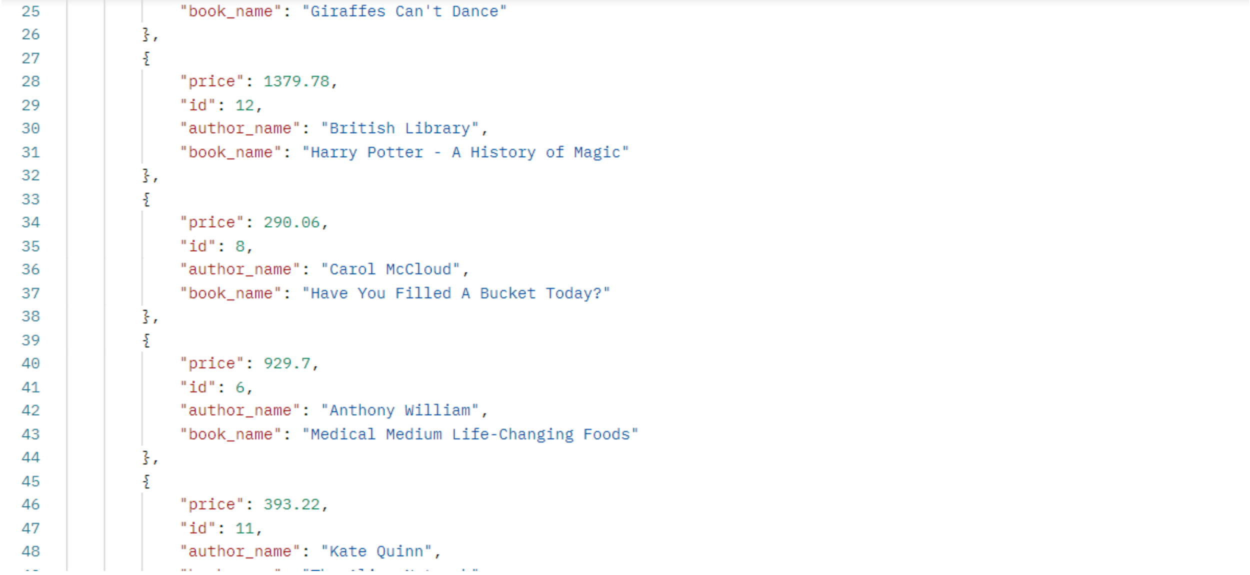
Since the books information is updated, my result quite different from the requirement.

GET: https://scb-test-book-publisher.herokuapp.com/books shows a list of books from the publisher (normal + recommended). This list is updated on a weekly basis (every Sunday at midnight).

GET: https://scb-test-book-publisher.herokuapp.com/books/recommendation shows a list of recommended books from the publisher.



```
{
    "books": [
        {
            "price": 149,
            "id": 5,
            "author_name": "Annejet van der Zijl, Michele Hutchison",
            "book_name": "An American Princess: The Many Lives of Allene Tew"
        },
        {
            "price": 495,
            "id": 4,
            "author_name": "Kristin Hannah",
            "book_name": "The Great Alone: A Novel Kristin Hannah"
        },
        {
            "price": 340,
            "id": 1,
            "author_name": "Lisa Wingate",
            "book_name": "Before We Were Yours: A Novel"
        },
        {
            "price": 200.5,
            "id": 3,
            "author_name": "Giles Andreae, Guy Parker-Rees",
```



```
            "book_name": "Giraffes Can't Dance"
        },
        {
            "price": 1379.78,
            "id": 12,
            "author_name": "British Library",
            "book_name": "Harry Potter - A History of Magic"
        },
        {
            "price": 290.06,
            "id": 8,
            "author_name": "Carol McCloud",
            "book_name": "Have You Filled A Bucket Today?"
        },
        {
            "price": 929.7,
            "id": 6,
            "author_name": "Anthony William",
            "book_name": "Medical Medium Life-Changing Foods"
        },
        {
            "price": 393.22,
            "id": 11,
            "author_name": "Kate Quinn",
```

```
            "book_name": "The Alice Network"
        },
        {
            "price": 319.16,
            "id": 10,
            "author_name": "Angie Thomas",
            "book_name": "The Hate U Give"
        },
        {
            "price": 208.51,
            "id": 9,
            "author_name": "Eric Carle",
            "book_name": "The Very Hungry Caterpillar"
        },
        {
            "price": 897.96,
            "id": 7,
            "author_name": "Gaz Oakley",
            "book_name": "Vegan 100"
        },
        {
            "price": 179,
            "id": 2,
            "author_name": "Barbara Davis",
```