Name: Abhishek Singh ,   BuBusiness test

The project is done using mongoDb for the database and nodeJs for talking to the mongoDb

To start the project

Install mongo shell https://docs.mongodb.com/manual/mongo/

Clone the git repo : https://github.com/abhishek8290/uBusisness_test_abhishek_singh-.git

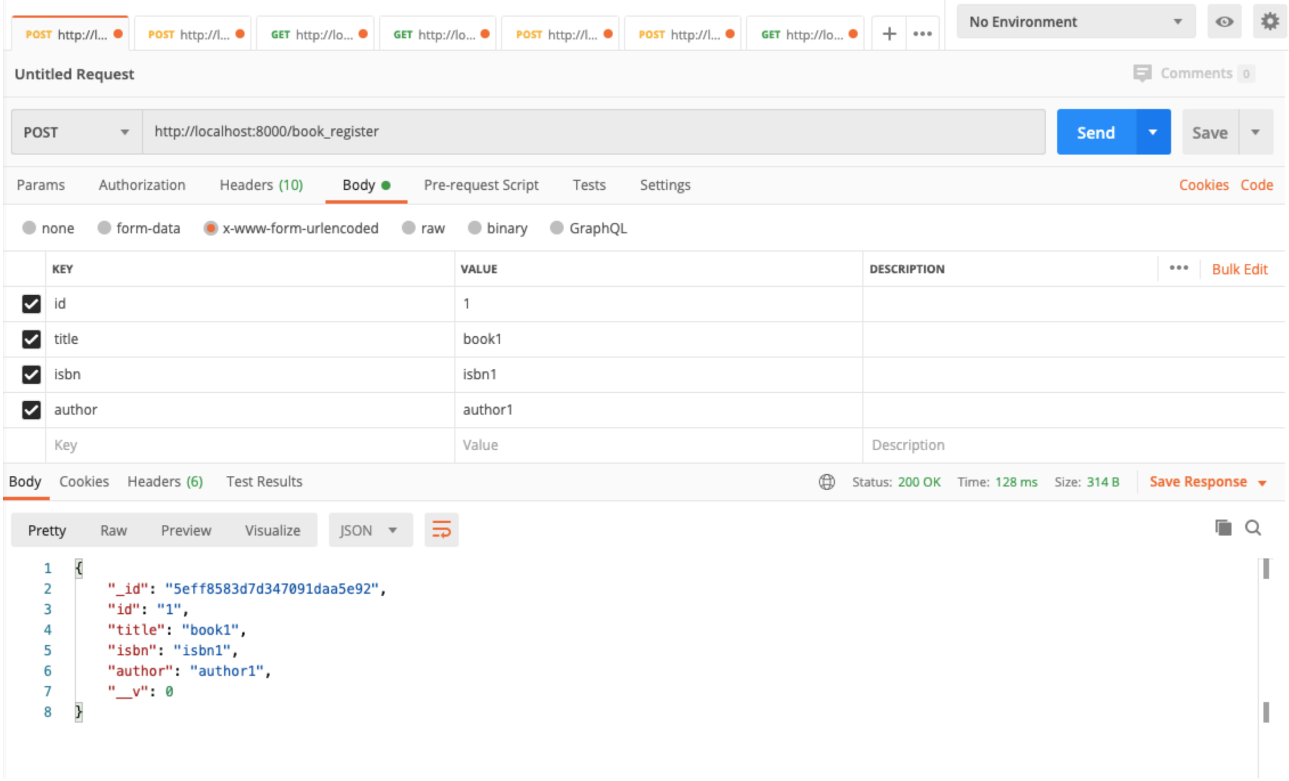
cd uBusisness_test_abhishek_singh-

npm install

Node index.js or npm run server

Adding the book to the database

POST : http://localhost:8000/book_register



POST http://localhost:8000/book_register

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

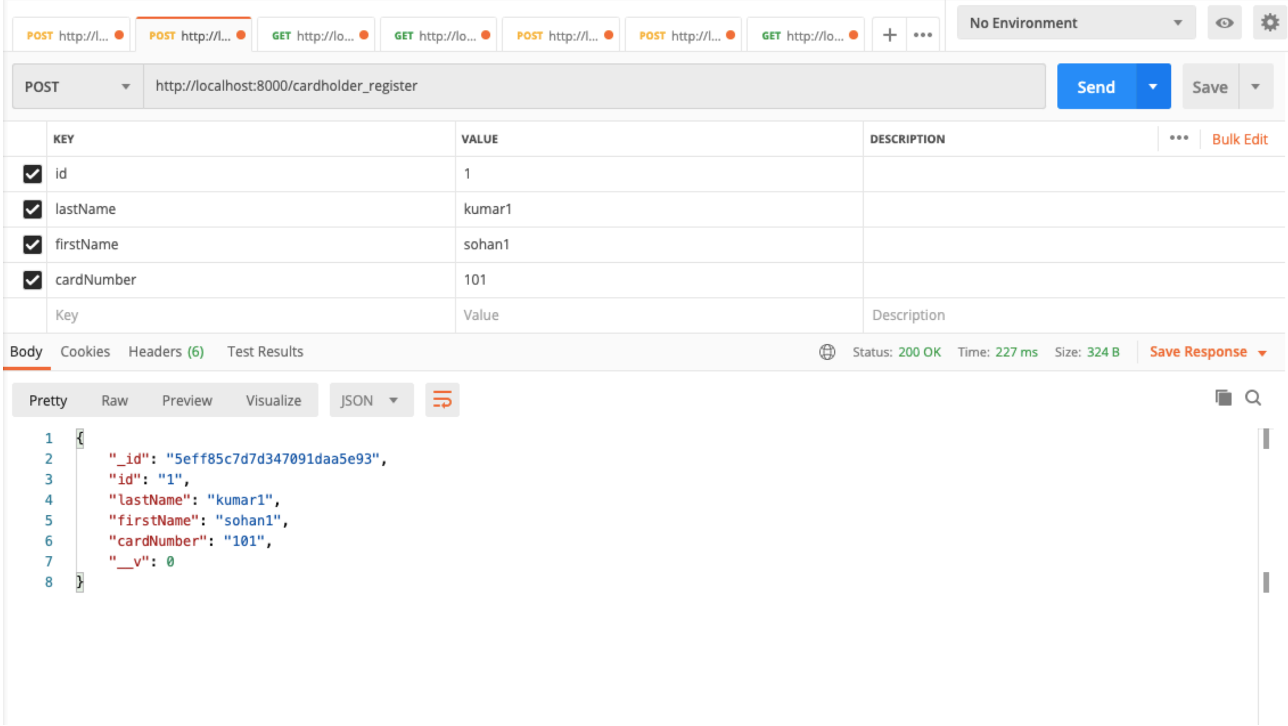
	KEY	VALUE	DESCRIPTION
☑	id	1	
☑	title	book1	
☑	isbn	isbn1	
☑	author	author1	
	Key	Value	Description

Status: 200 OK   Time: 128 ms   Size: 314 B

```
{
    "_id": "5eff8583d7d347091daa5e92",
    "id": "1",
    "title": "book1",
    "isbn": "isbn1",
    "author": "author1",
    "__v": 0
}
```

Adding the cardowner to the DB.

POST : http://localhost:8000/cardholder_register



POST http://localhost:8000/cardholder_register

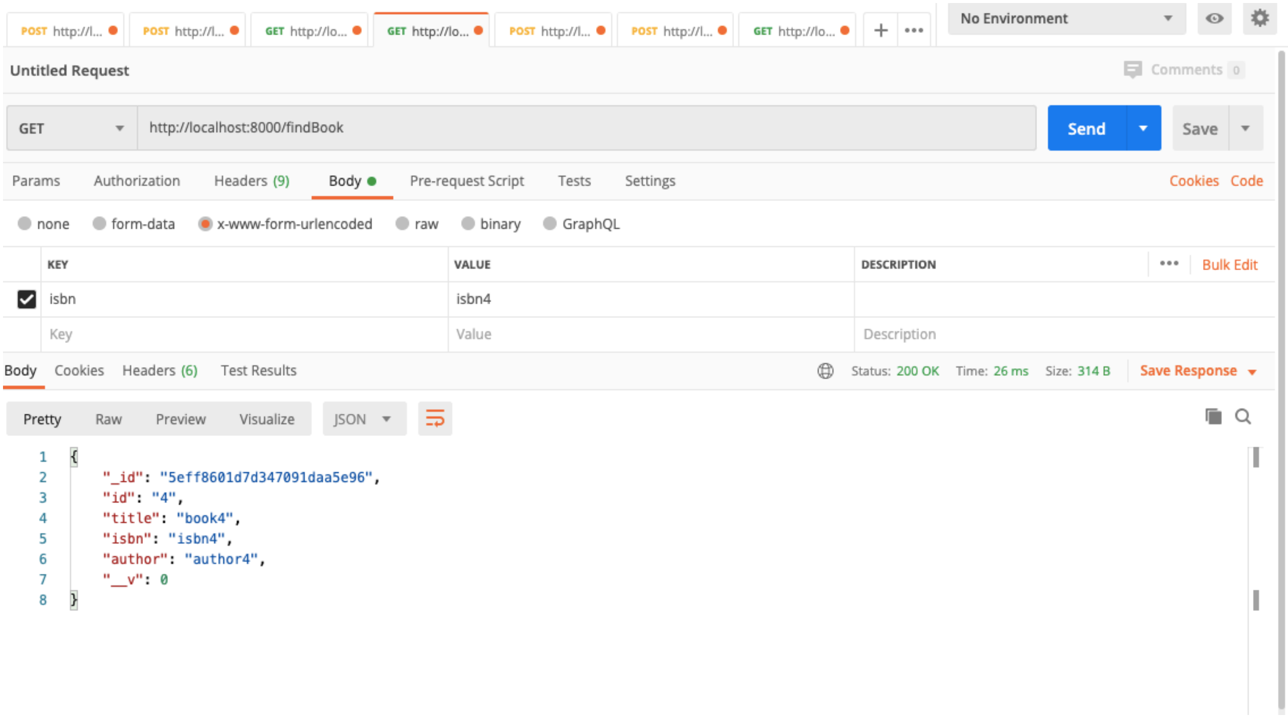
KEY	VALUE	DESCRIPTION
☑ id	1	
☑ lastName	kumar1	
☑ firstName	sohan1	
☑ cardNumber	101	
Key	Value	Description

Status: 200 OK Time: 227 ms Size: 324 B

```
{
    "_id": "5eff85c7d7d347091daa5e93",
    "id": "1",
    "lastName": "kumar1",
    "firstName": "sohan1",
    "cardNumber": "101",
    "__v": 0
}
```

Step 3 : finding the book by isbn

GET : http://localhost:8000/findBook



Untitled Request

GET http://localhost:8000/findBook

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

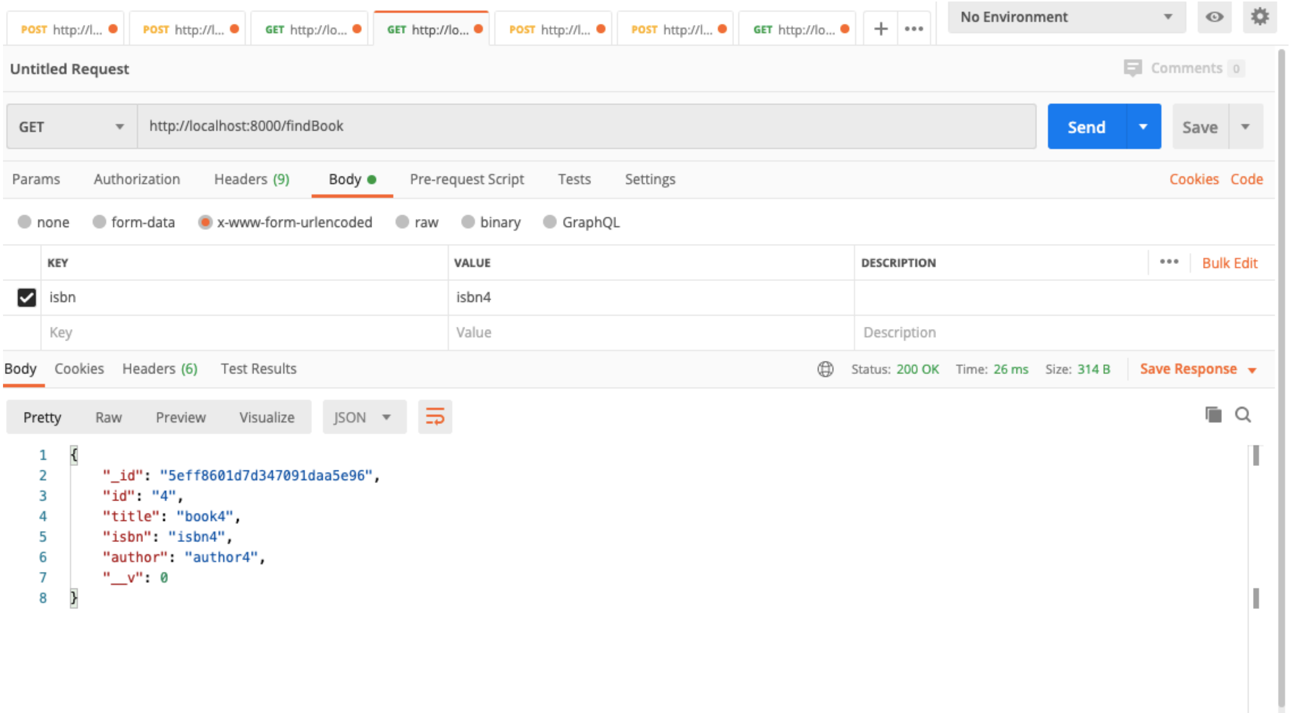
KEY	VALUE	DESCRIPTION
☑ isbn	isbn4	
Key	Value	Description

Status: 200 OK Time: 26 ms Size: 314 B

```
{
    "_id": "5eff8601d7d347091daa5e96",
    "id": "4",
    "title": "book4",
    "isbn": "isbn4",
    "author": "author4",
    "__v": 0
}
```

Step 4 : finding the cardowner by cardNumber

GET : http://localhost:8000/findBook



Untitled Request

GET http://localhost:8000/findBook

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

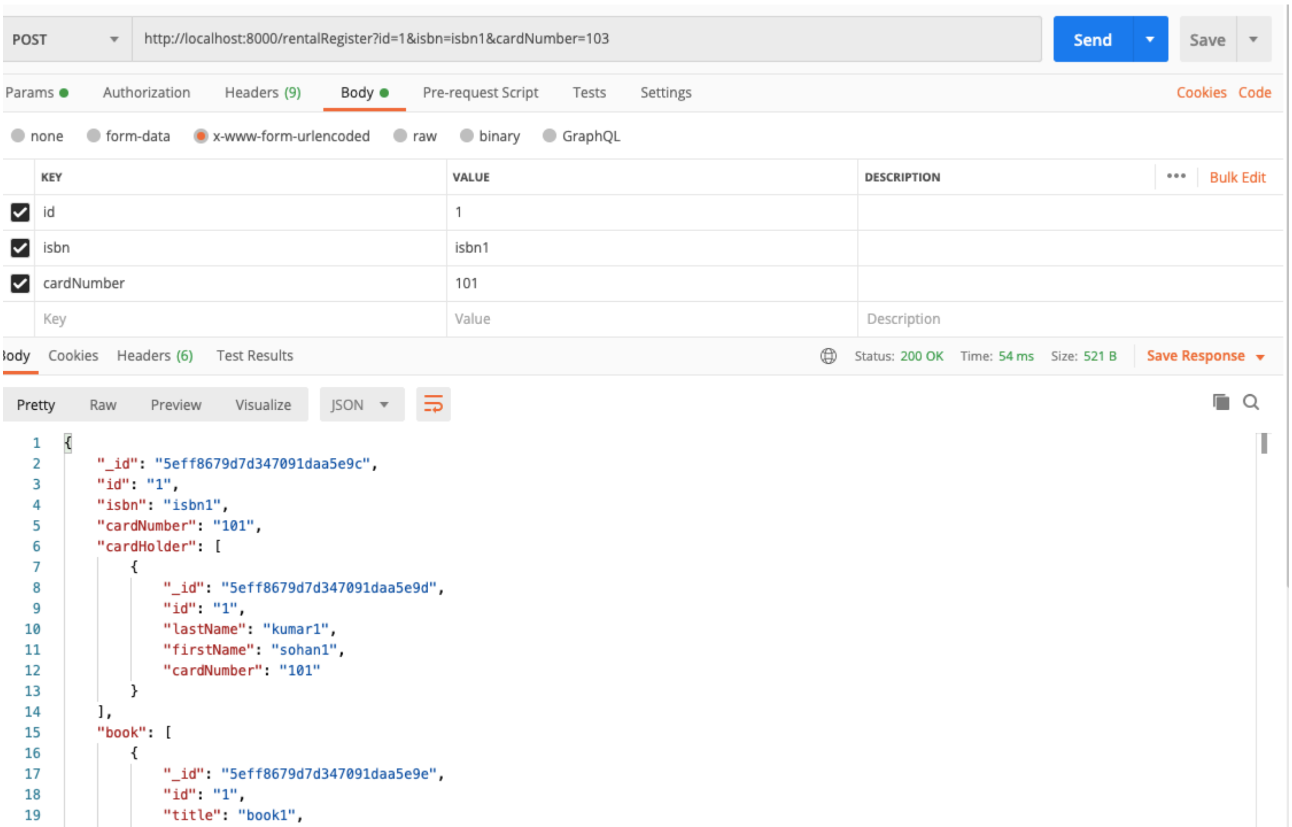
	KEY	VALUE	DESCRIPTION
☑	isbn	isbn4	
	Key	Value	Description

Body — Status: 200 OK Time: 26 ms Size: 314 B

```
{
    "_id": "5eff8601d7d347091daa5e96",
    "id": "4",
    "title": "book4",
    "isbn": "isbn4",
    "author": "author4",
    "__v": 0
}
```

Step 5: loaning the book to some customer using his cardNumber and isbn of the book

POST : http://localhost:8000/rentalRegister



POST http://localhost:8000/rentalRegister?id=1&isbn=isbn1&cardNumber=103

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

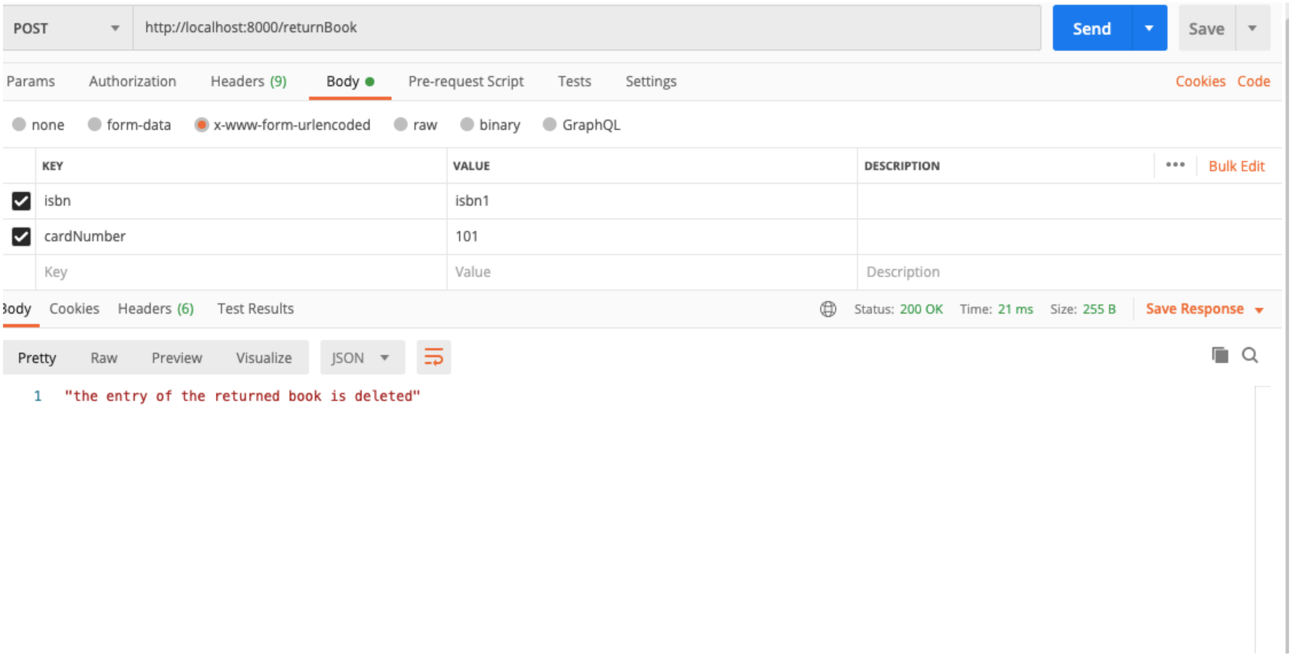
	KEY	VALUE	DESCRIPTION
☑	id	1	
☑	isbn	isbn1	
☑	cardNumber	101	
	Key	Value	Description

Body — Status: 200 OK Time: 54 ms Size: 521 B

```
{
    "_id": "5eff8679d7d347091daa5e9c",
    "id": "1",
    "isbn": "isbn1",
    "cardNumber": "101",
    "cardHolder": [
        {
            "_id": "5eff8679d7d347091daa5e9d",
            "id": "1",
            "lastName": "kumar1",
            "firstName": "sohan1",
            "cardNumber": "101"
        }
    ],
    "book": [
        {
            "_id": "5eff8679d7d347091daa5e9e",
            "id": "1",
            "title": "book1",
```

Step 6 : returning the book by an owner by isbn and card number

POST : http://localhost:8000/findBook



POST http://localhost:8000/returnBook

Body: ● x-www-form-urlencoded

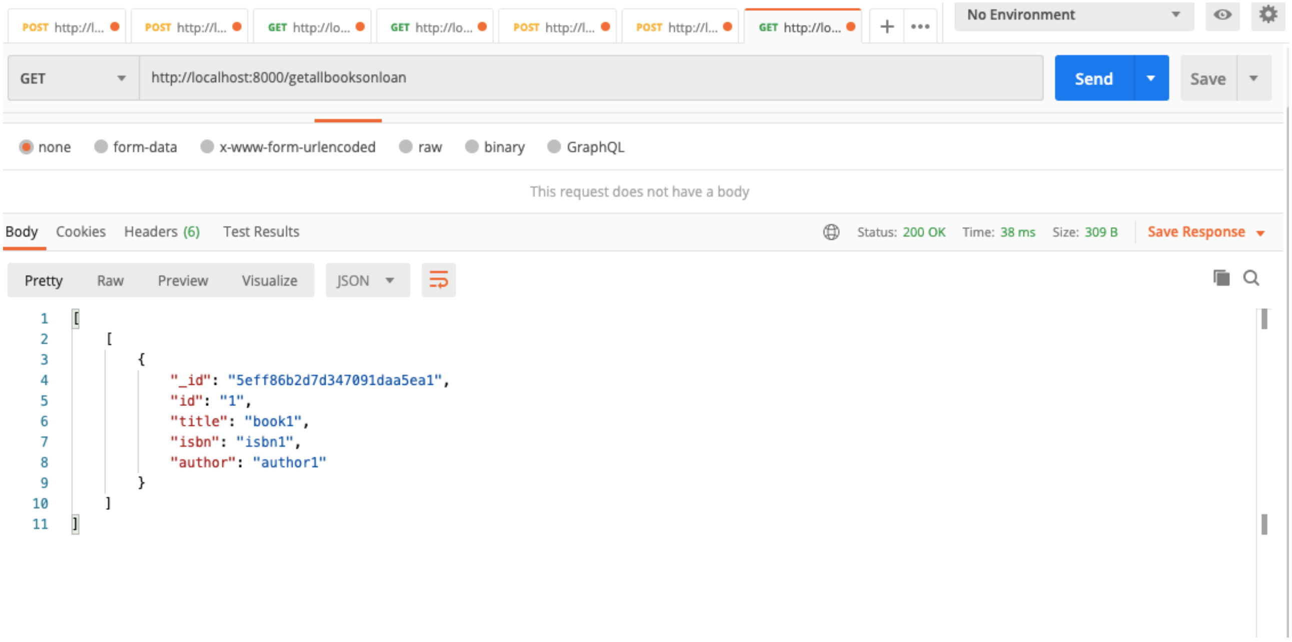
	KEY	VALUE	DESCRIPTION
☑	isbn	isbn1	
☑	cardNumber	101	
	Key	Value	Description

Status: 200 OK Time: 21 ms Size: 255 B

```
"the entry of the returned book is deleted"
```

Step 7: getting all the loaned books

POST : http://localhost:8000/findBook



GET http://localhost:8000/getallbooksonloan

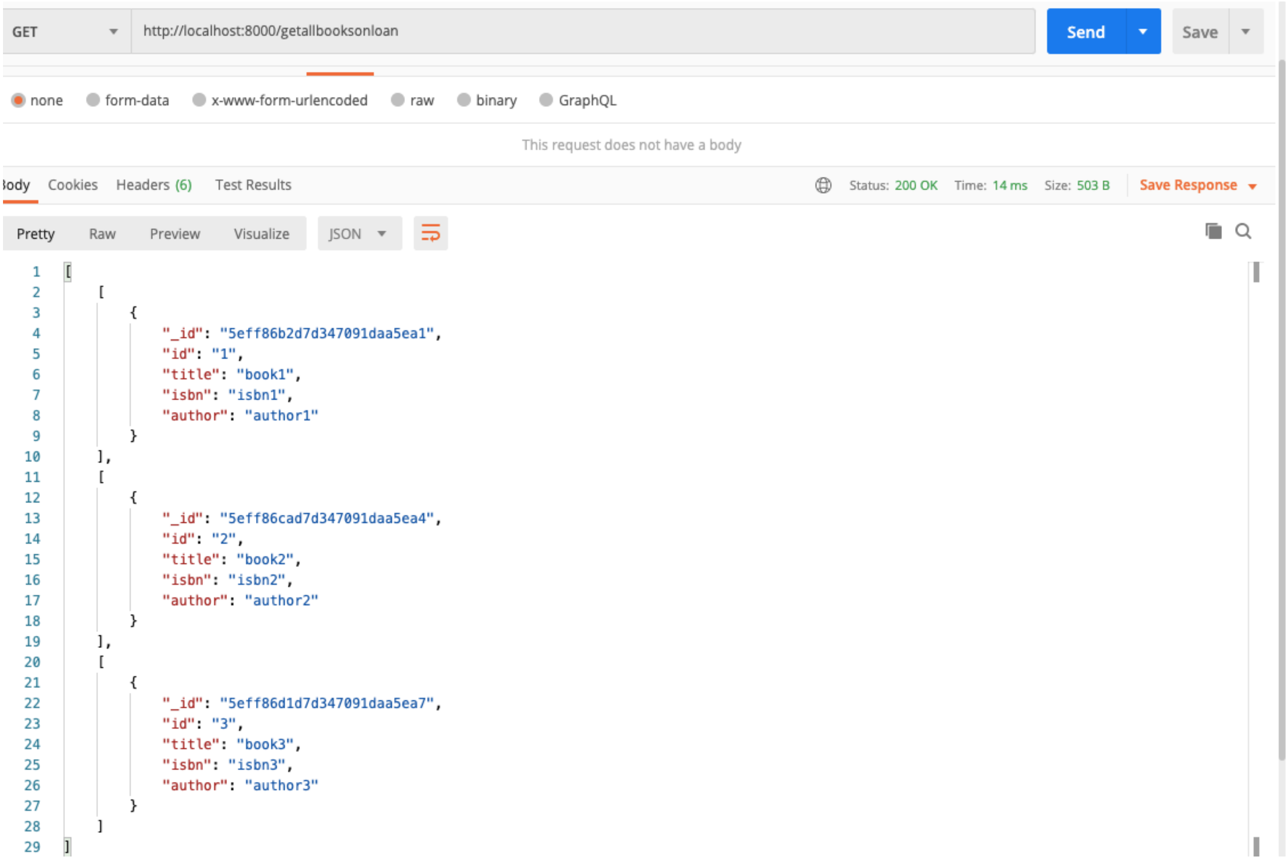
● none

This request does not have a body

Status: 200 OK Time: 38 ms Size: 309 B

```
[
    [
        {
            "_id": "5eff86b2d7d347091daa5ea1",
            "id": "1",
            "title": "book1",
            "isbn": "isbn1",
            "author": "author1"
        }
    ]
]
```

After Adding more



GET http://localhost:8000/getallbooksonloan

This request does not have a body

Status: 200 OK Time: 14 ms Size: 503 B

```
[
    [
        {
            "_id": "5eff86b2d7d347091daa5ea1",
            "id": "1",
            "title": "book1",
            "isbn": "isbn1",
            "author": "author1"
        }
    ],
    [
        {
            "_id": "5eff86cad7d347091daa5ea4",
            "id": "2",
            "title": "book2",
            "isbn": "isbn2",
            "author": "author2"
        }
    ],
    [
        {
            "_id": "5eff86d1d7d347091daa5ea7",
            "id": "3",
            "title": "book3",
            "isbn": "isbn3",
            "author": "author3"
        }
    ]
]
```