Challenge → Spring Boot

ER Diagram for library

mst_member		
id	string	pk
firstName	string	
lastName	string	
dateOfBirth	date	
address	string	
status	string	
userName	string	
password	string	

trx_borrow		
id	string	pk
mst_member_id	string	fk
mst_book_id	string	fk
borrowed_date	date	
return_date	date	
status	string	

mst_book		
id	string	pk
title	string	
publisher	string	
author	string	
dateOfPublication	date	
stock	integer	

trx_return		
id	string	pk
trx_borrow	string	fk
return_date	date	
charge	integer	

ERD Library

RS Renaldi Simamora

Library Book API build with Spring Boot Java 🔥

status: Maintained 🚀

Documentation 📖

Book

Endpoint	URL	Method	example
Get books	/books	GET	-
Get book by id	/books/{id}	GET	/books/1
Get books by limit	/books?limit=size	GET	/books?limit=5
Create book	/books	POST	-
Update book	/books	PUT	-
Delete book	/books?bookId={id}	DELETE	/books?bookId=1

[JSON] Request body create book, Example:

```
{
    "title": "midnight with you",
    "publisher": "republika",
    "author": "rey",
    "yearOfPublication": "2020-08-12",
    "stock": 10
}
```

[JSON] Request body update book, Example:

```
{
    "id": "8a8ab2af80300ccc0180300f7e220002",
    "title": "Shining, shimmering",
    "publisher": "gramedia",
    "author": "renaldi",
    "yearOfPublication": "2017-01-25",
    "stock": 10
}
```

Example Result:

- Get list book request param

- Get list book by request body [JSON] → search
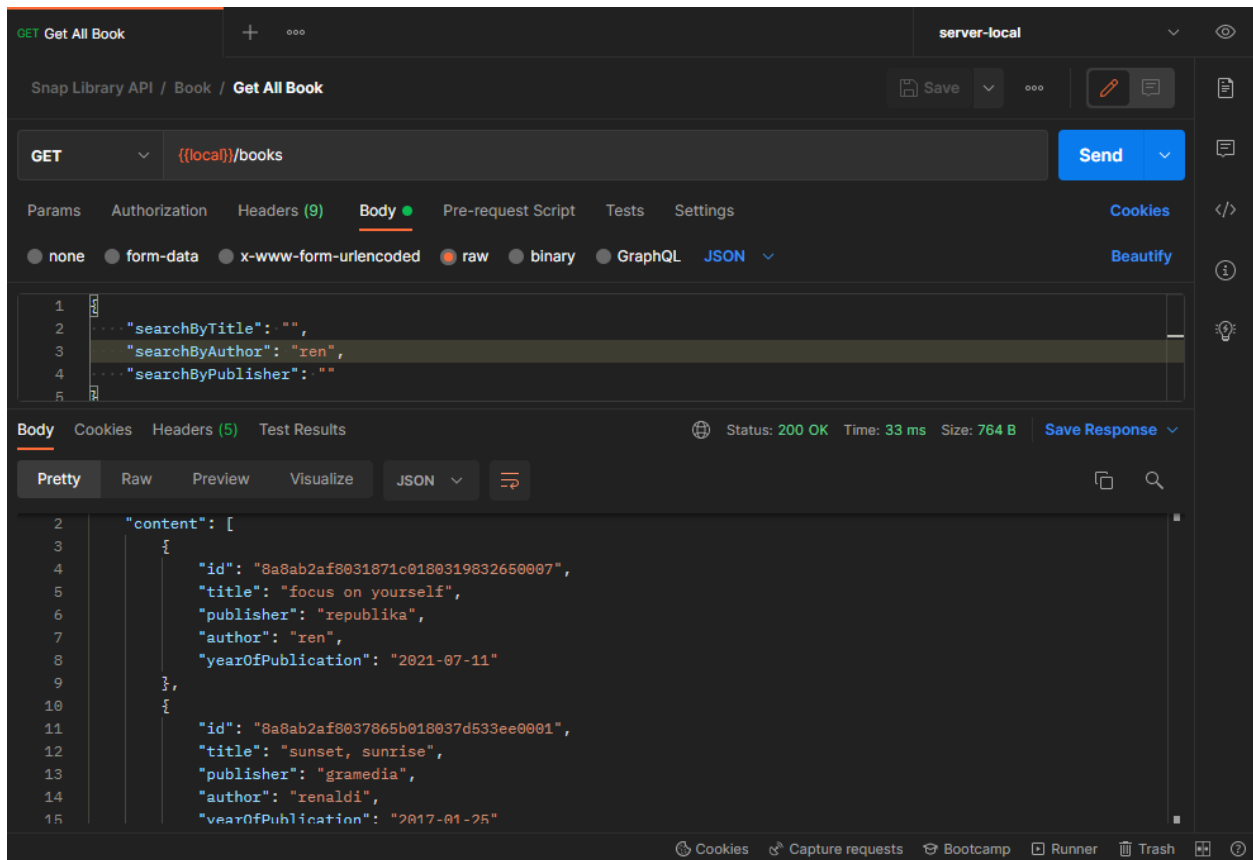
- Get list book by path param id
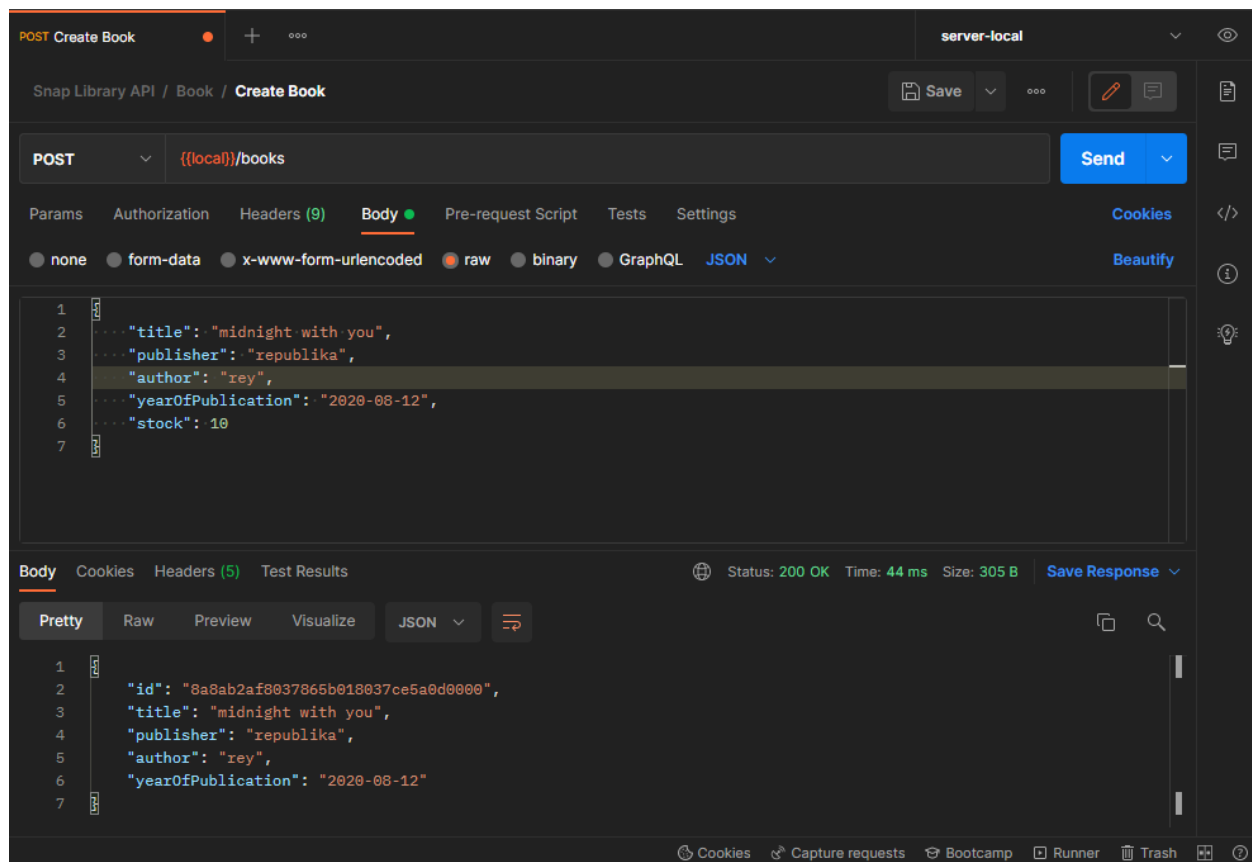
- Create book
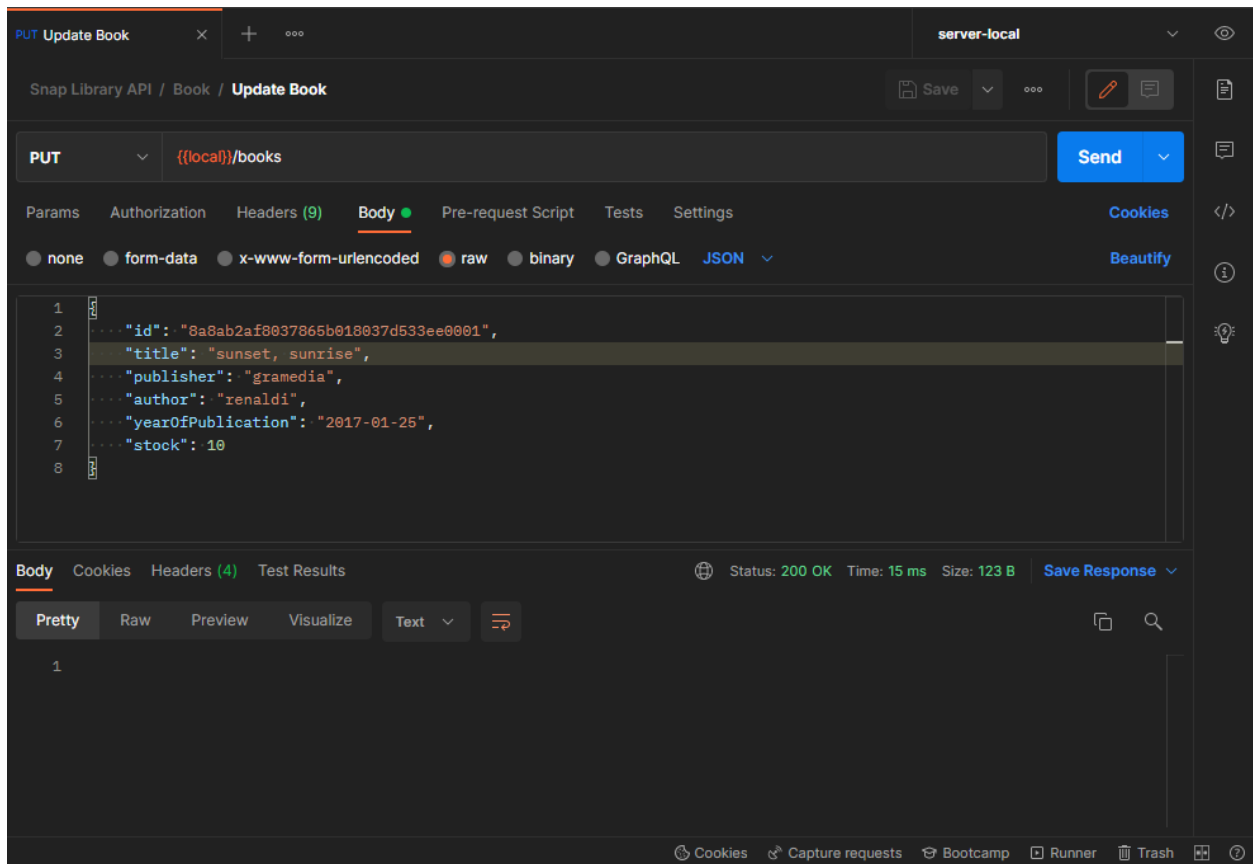
- Update book

- Delete book
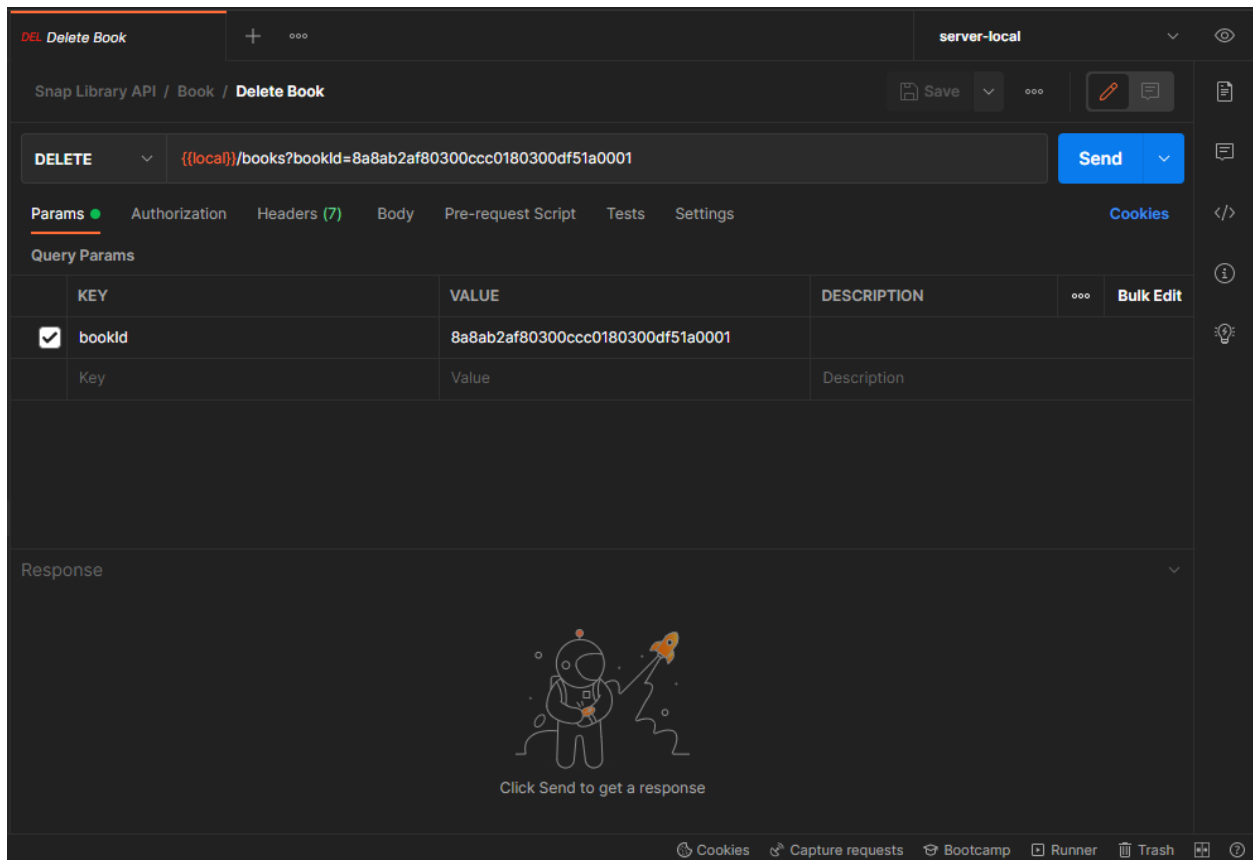
Member

Endpoint	URL	Method	example
Get members	/members	GET	-
Get member by id	/members/{id}	GET	/members/1
Get members by limit	/members?limit=size	GET	/members?limit=5
Create member	/members	POST	-
Update member	/members	PUT	-
Delete member	/members?memberId={id}	DELETE	/members?memberId=1

[JSON] Request body create member, Example:

```
{
    "firstName": "fajar",
```

```
    "lastName": "maulanan",
    "dateOfBirth": "1991-03-25",
    "address": "jl pelabuhan",
    "status": "aktif",
    "userName": "cumi",
    "password": "123"
}
```

[JSON] Request body update member, Example:

```
{
    "id": "8a8ab2af8038224c018038270c020000",
    "firstName": "fajar",
    "lastName": "maulana putra",
    "dateOfBirth": "1991-03-25",
    "address": "jl suka tani",
    "status": "aktif",
    "userName": "cumi"
}
```

Example Result:

- Get list member request param

- Get list member by request body [JSON] → search
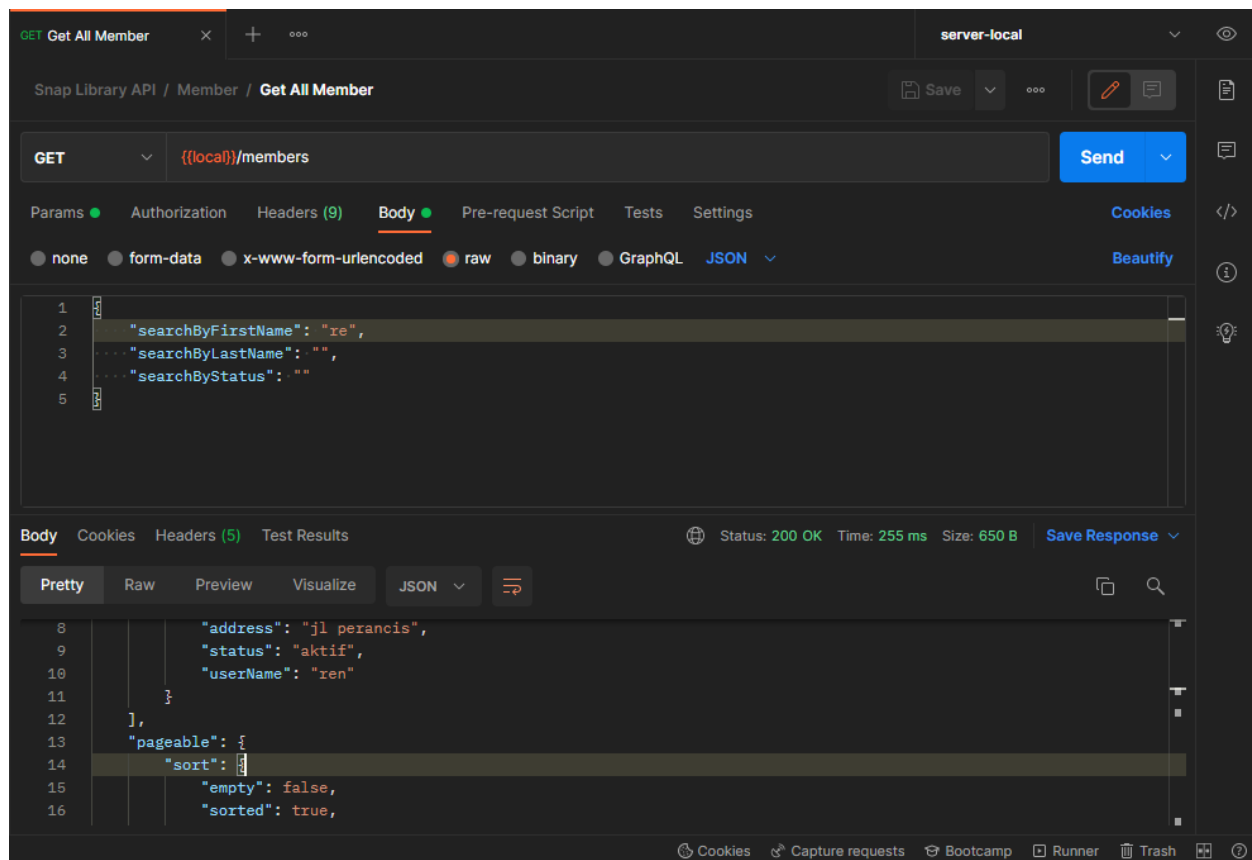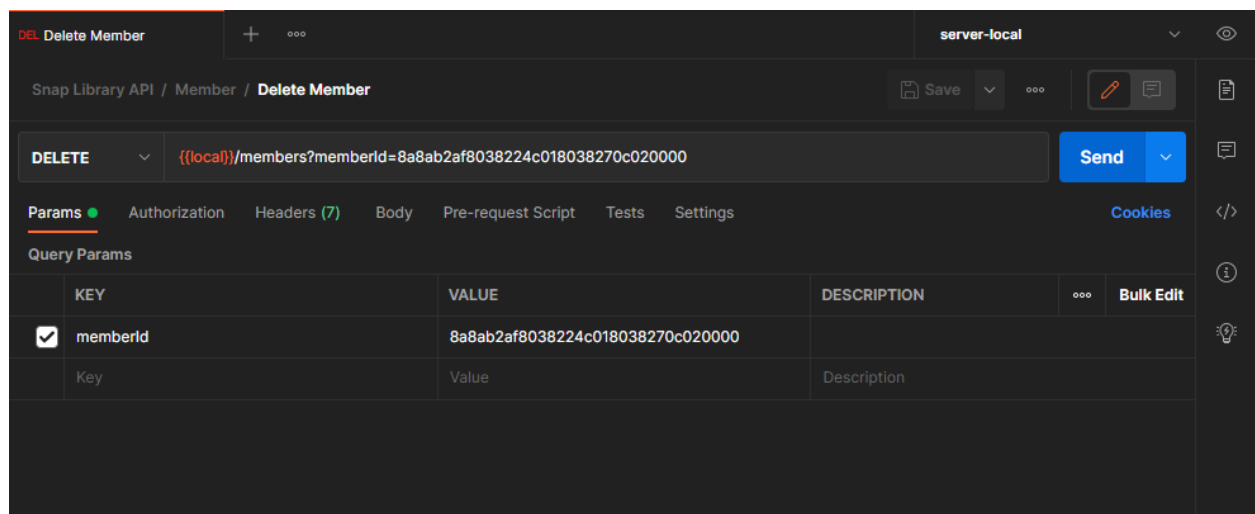
- Get list member by path param id

- Create member

- Update member
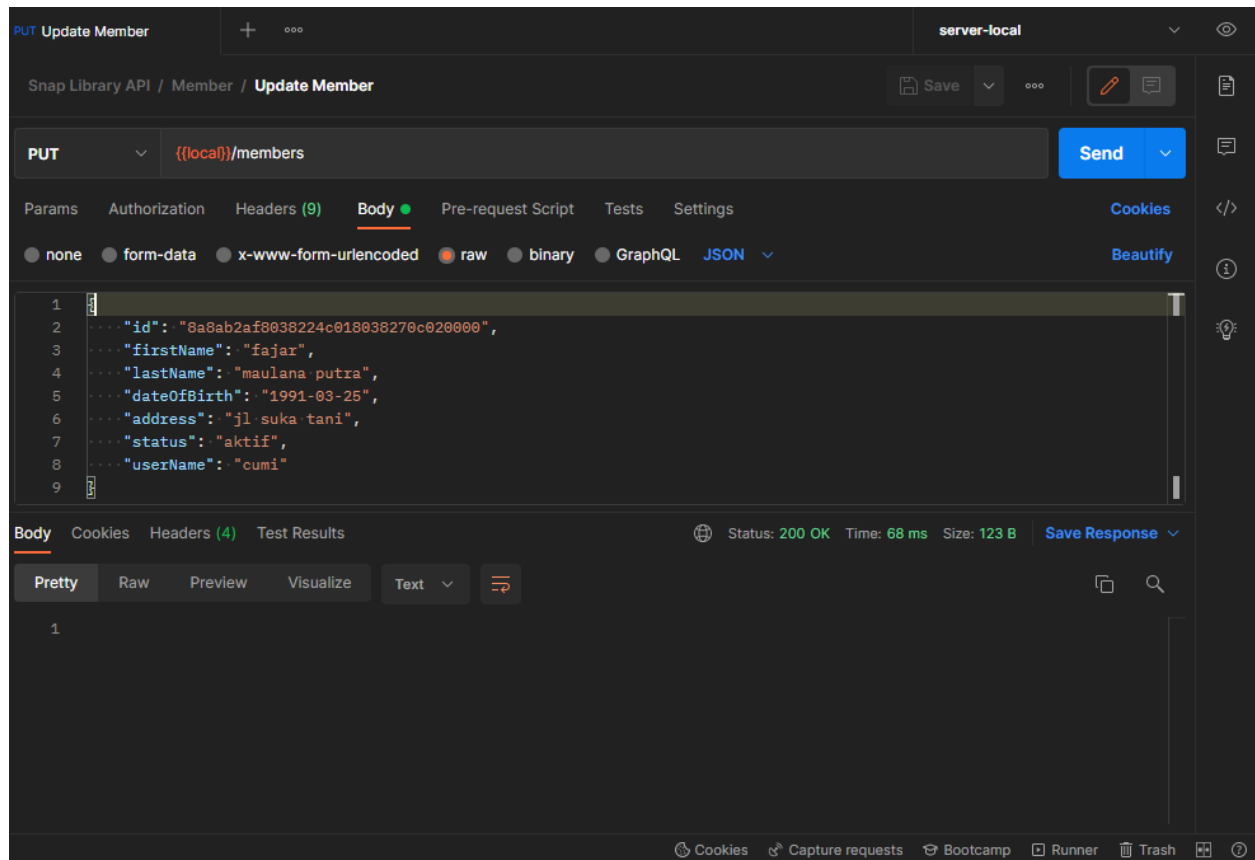
- Delete member

Credits

Copyright © 2020 Renaldi

Build With 💙