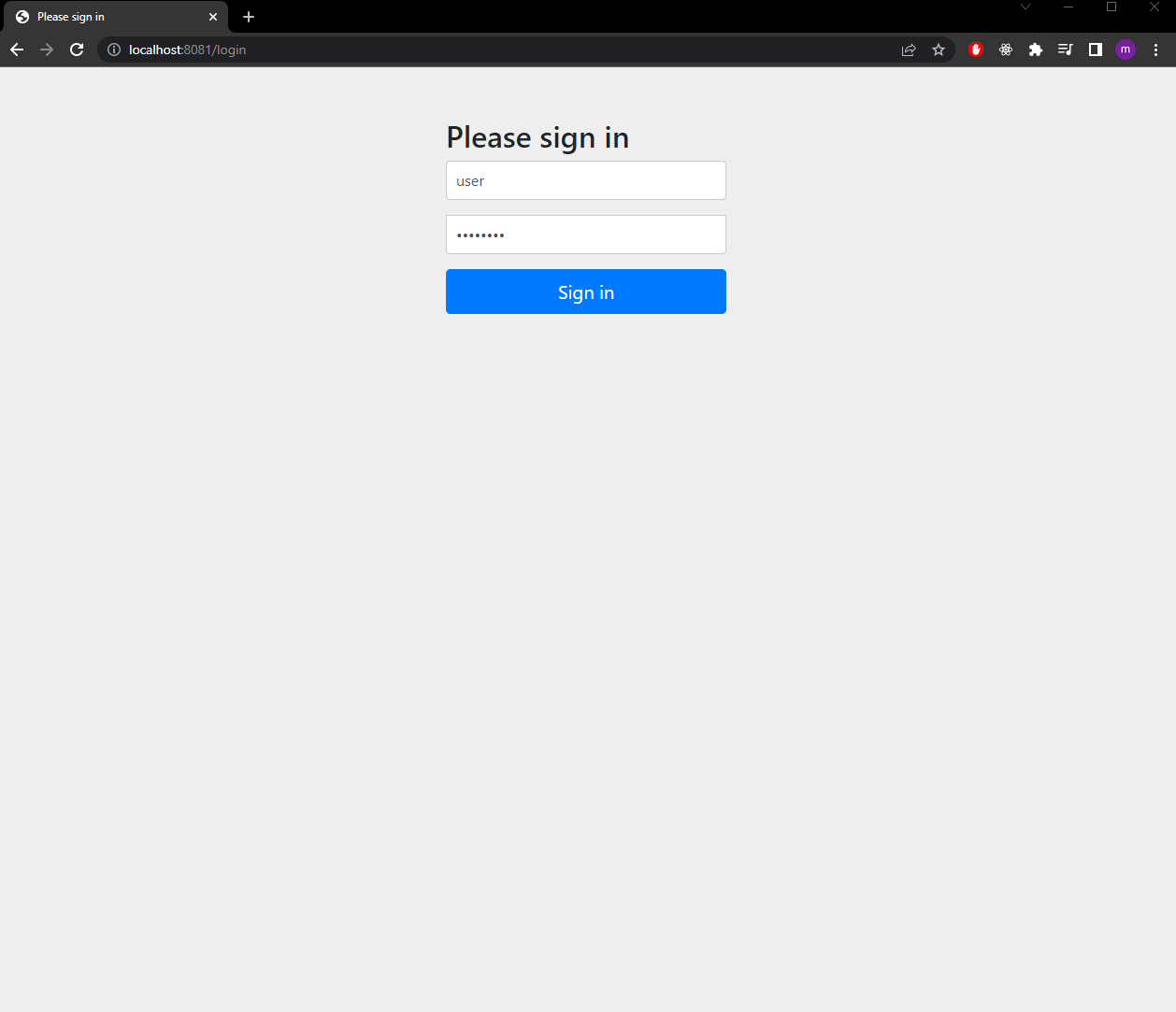
# **Java Interview Assignment**

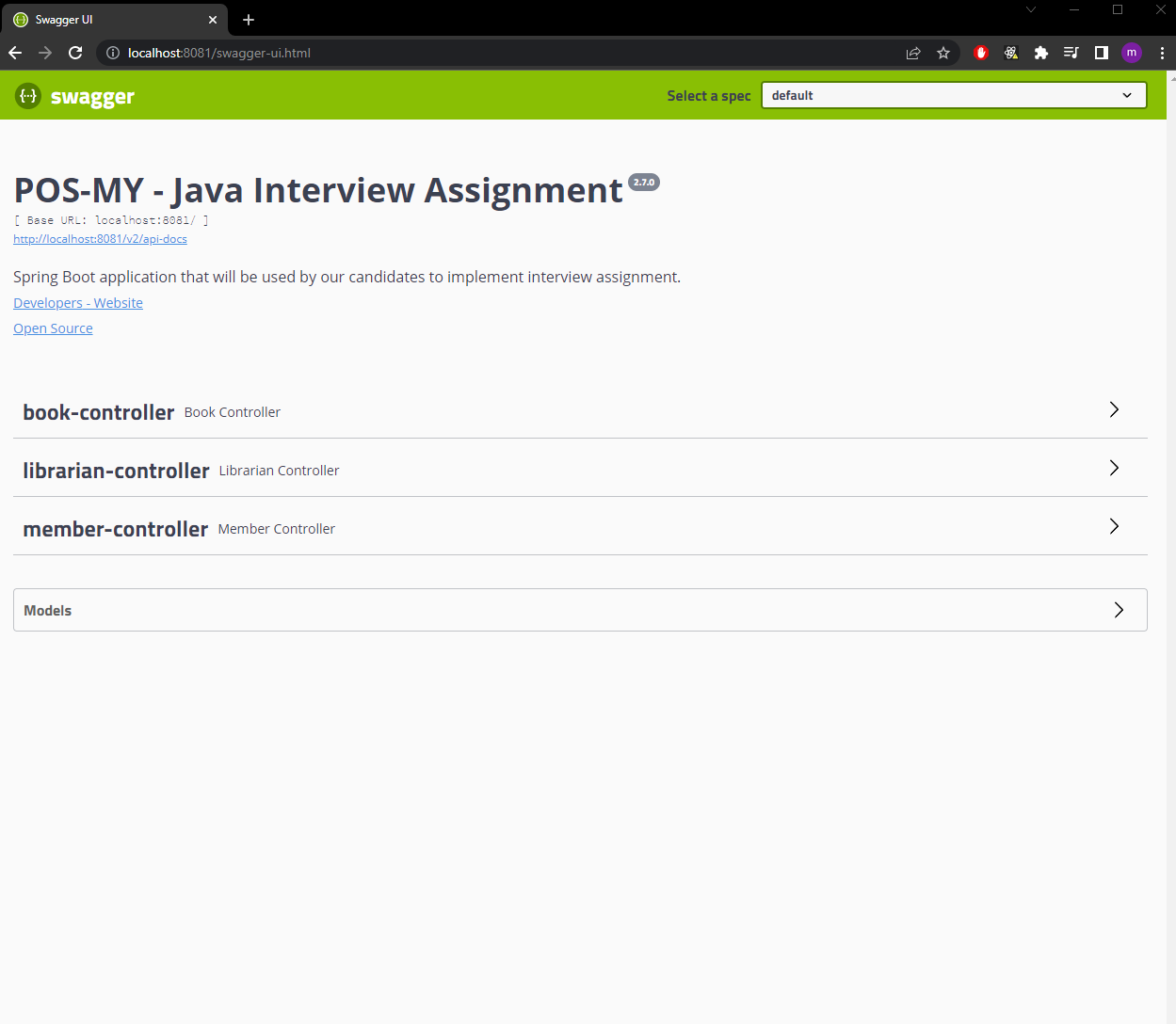
Spring Boot application that will be used by our candidates to implement interview assignments.



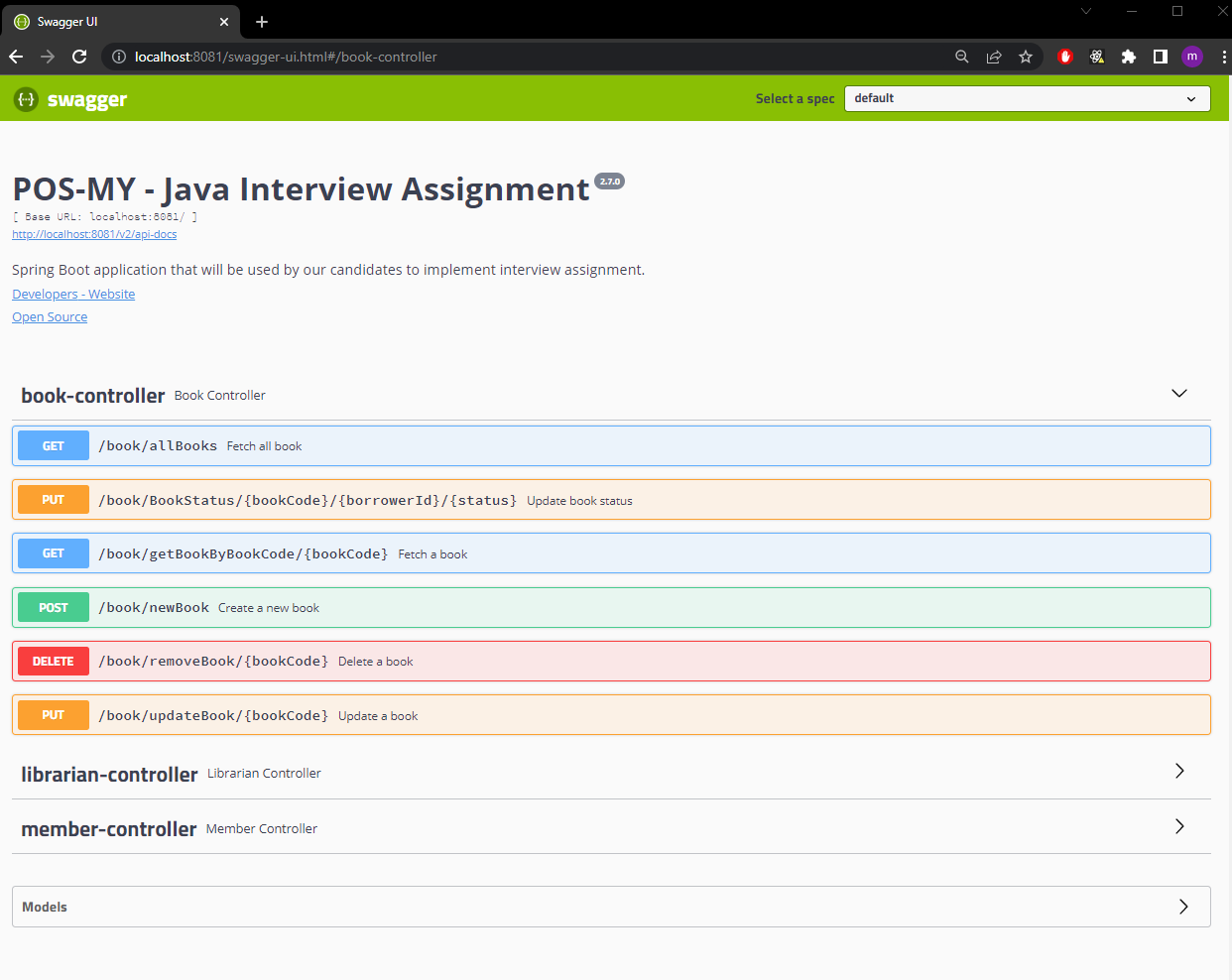
Login using credential:

User: user

Password: password



3 services - book, librarian, member

**Book**

Book controller containing endpoint related to its processes

Fetch all books

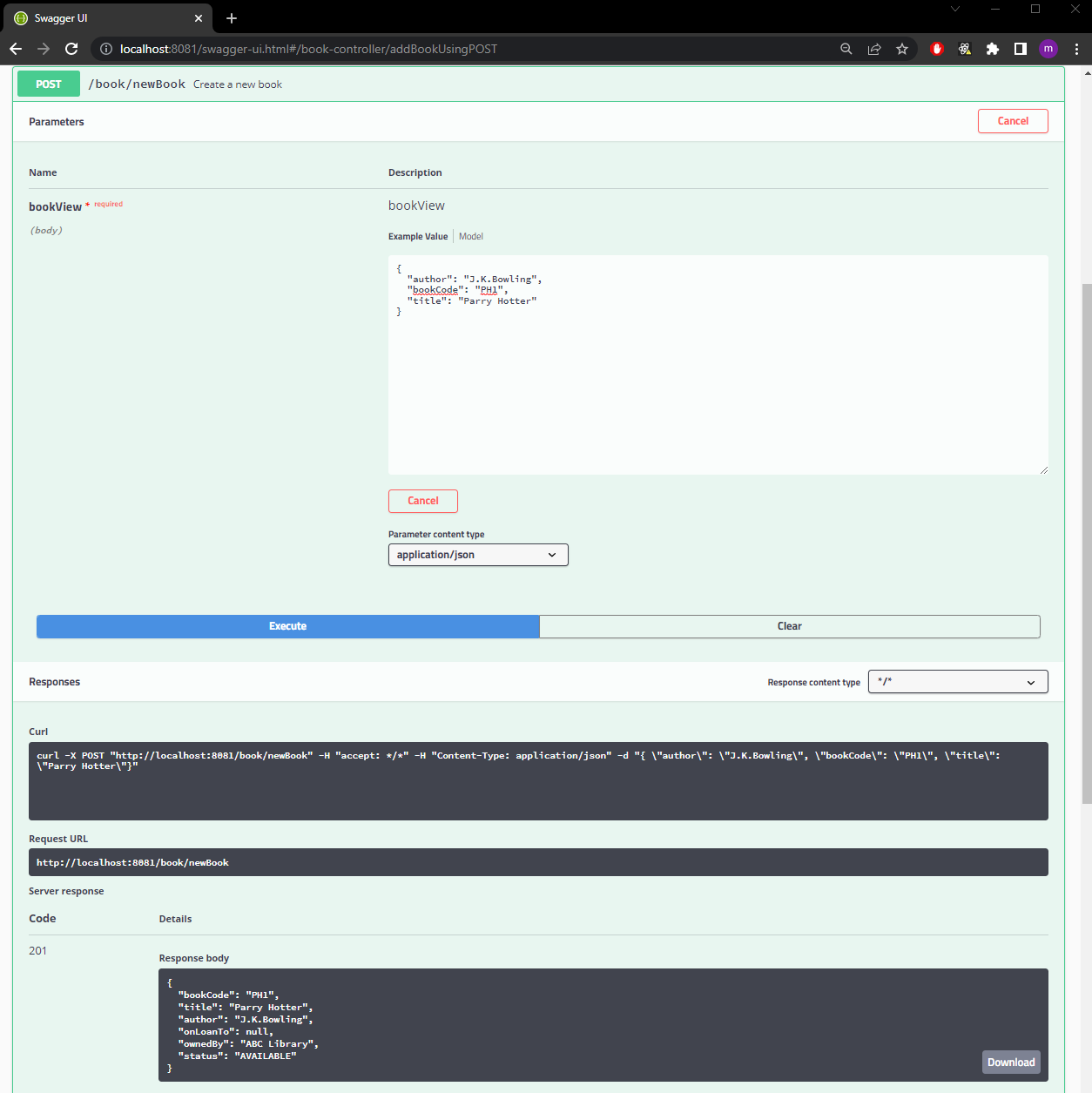
Create new book

Update book

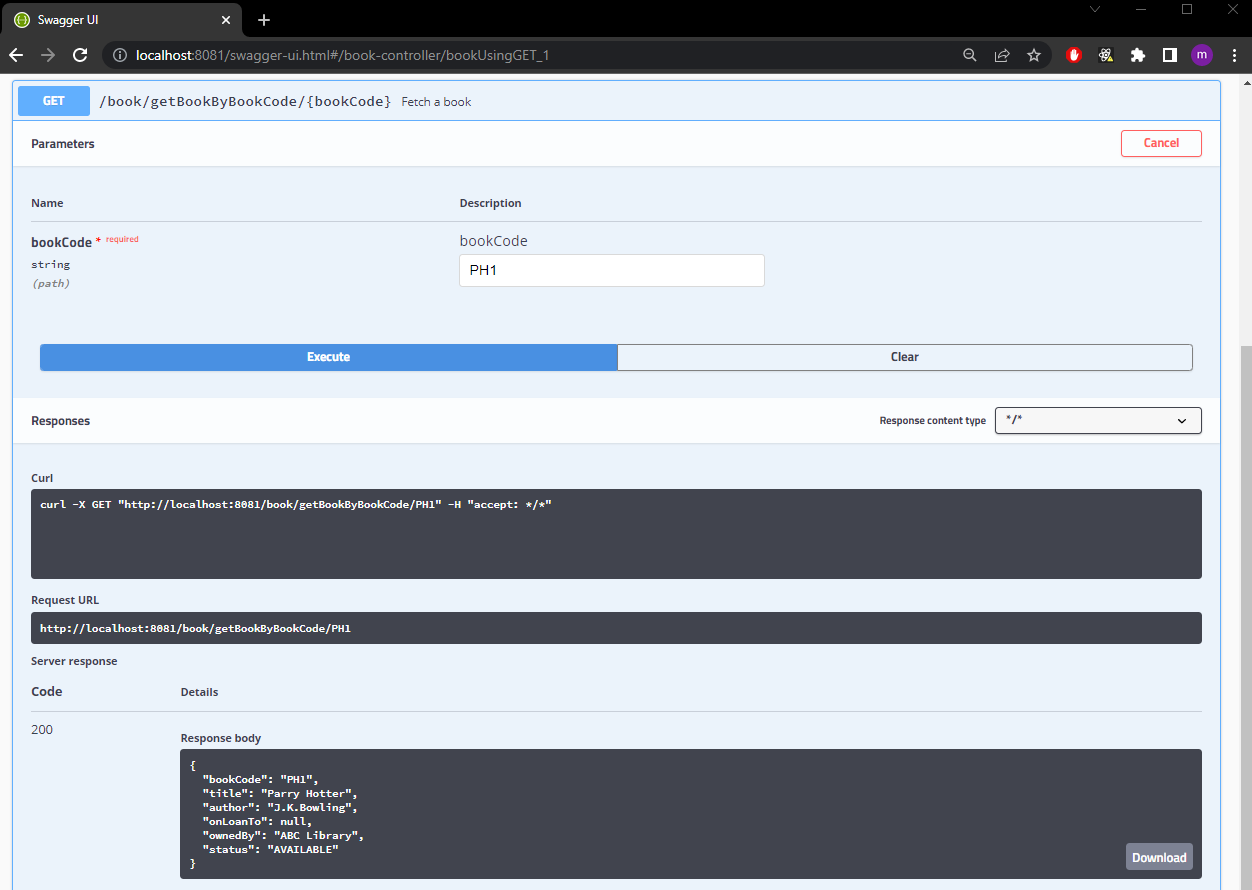
Delete book

Find book by bookCode

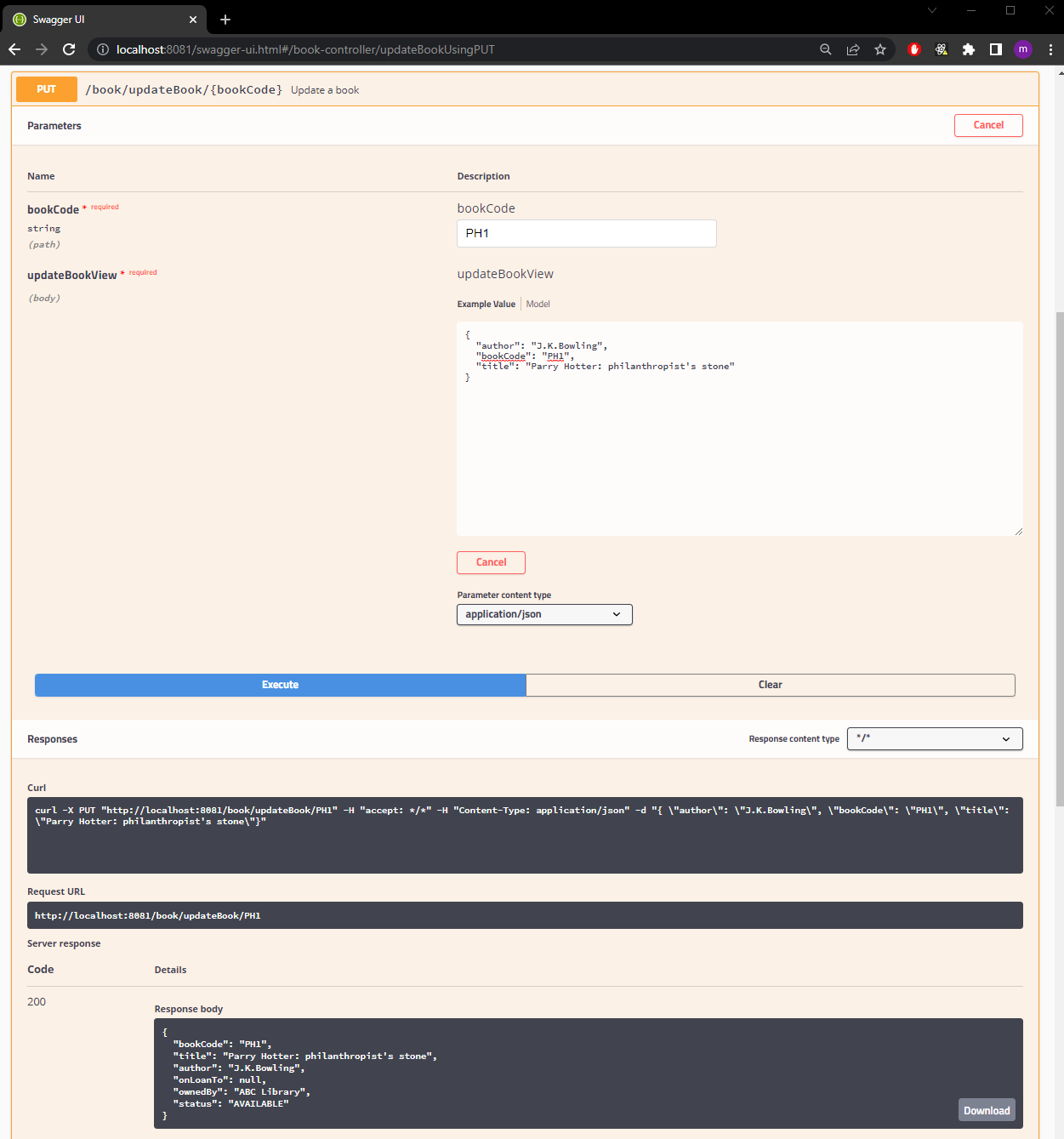
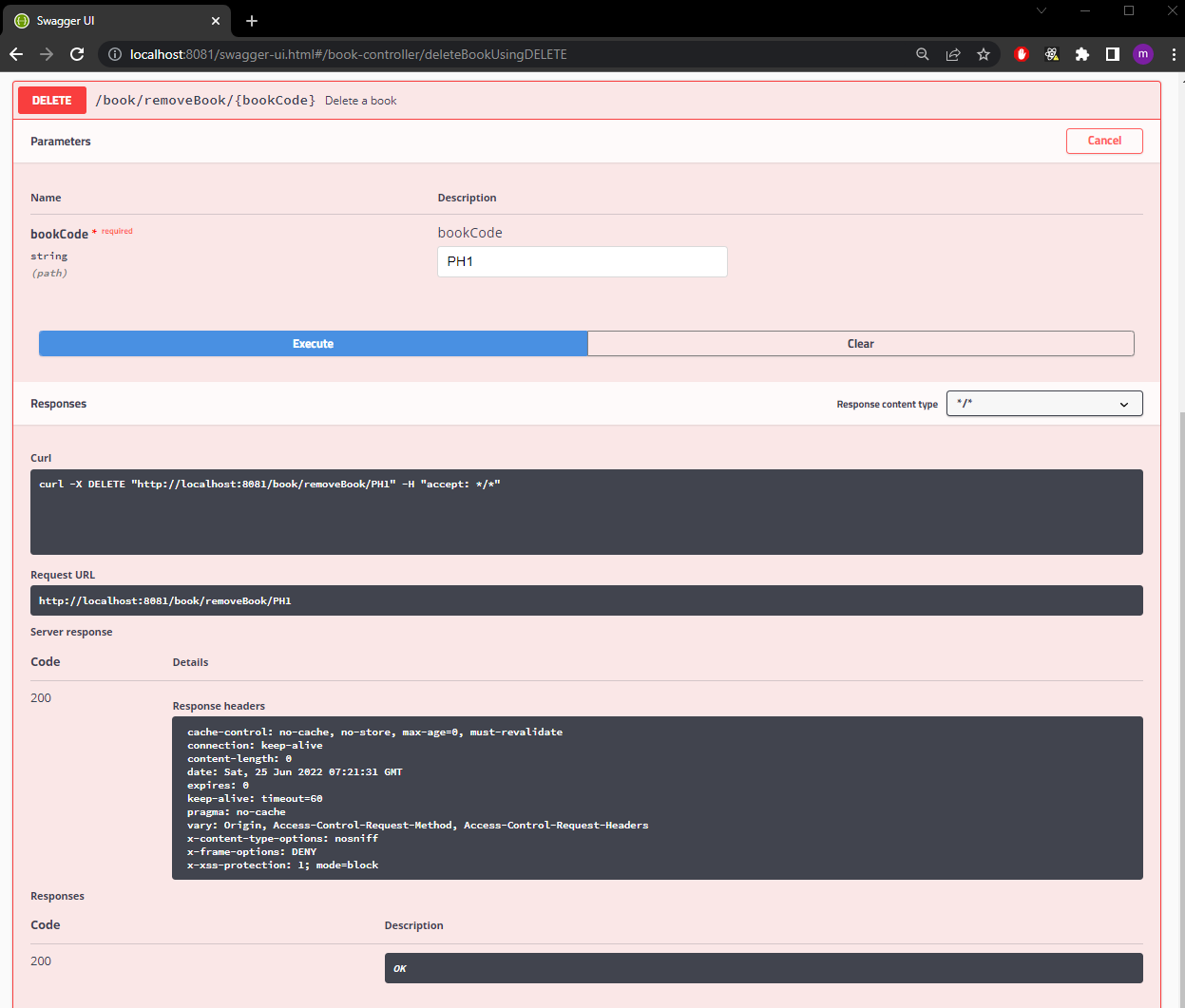
Update book status to BORROWED or AVAILABLE



Create new book

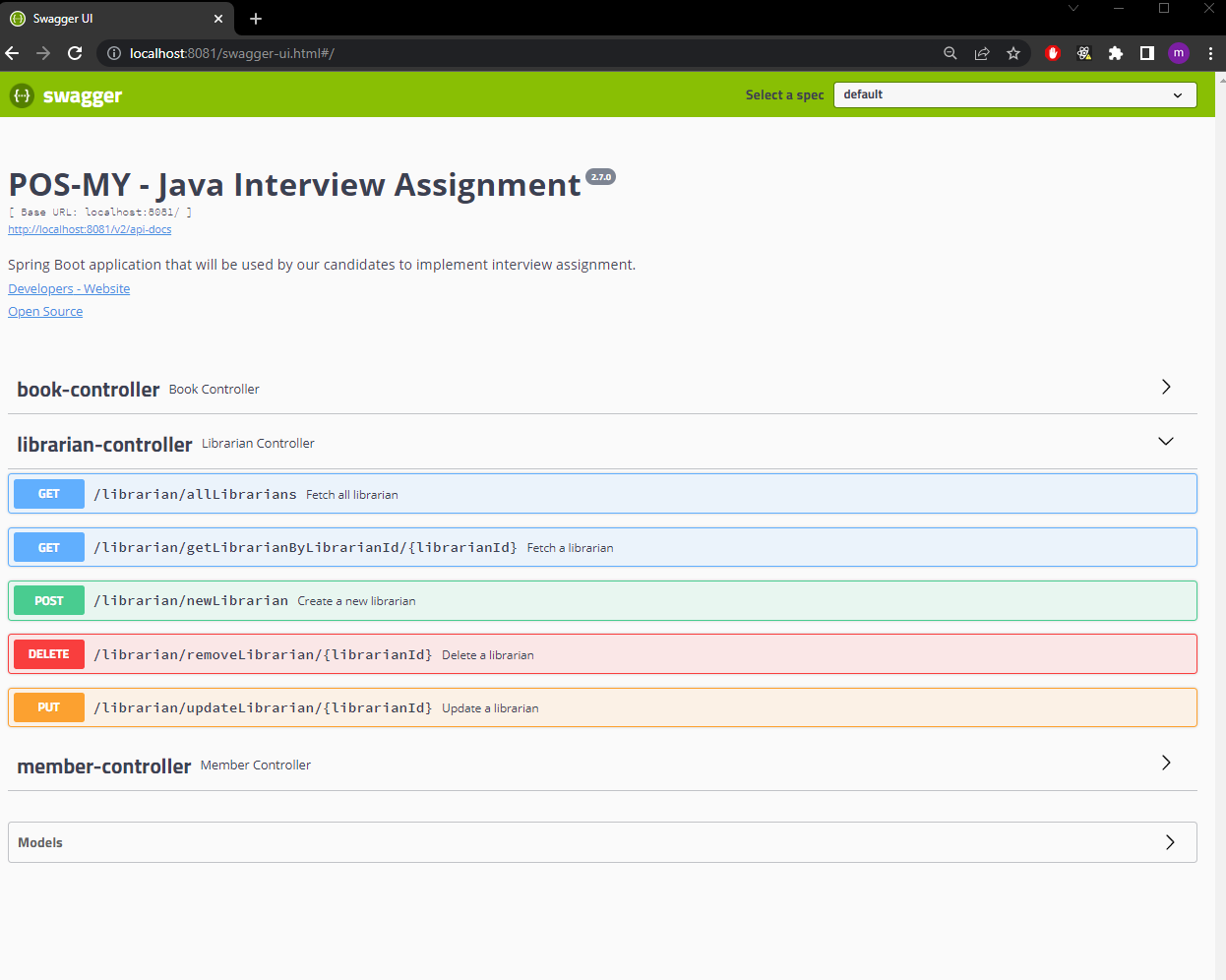


Find by bookCode

Update book

Delete book

**LIBRARIAN**

Librarian controller containing endpoint related to its processes

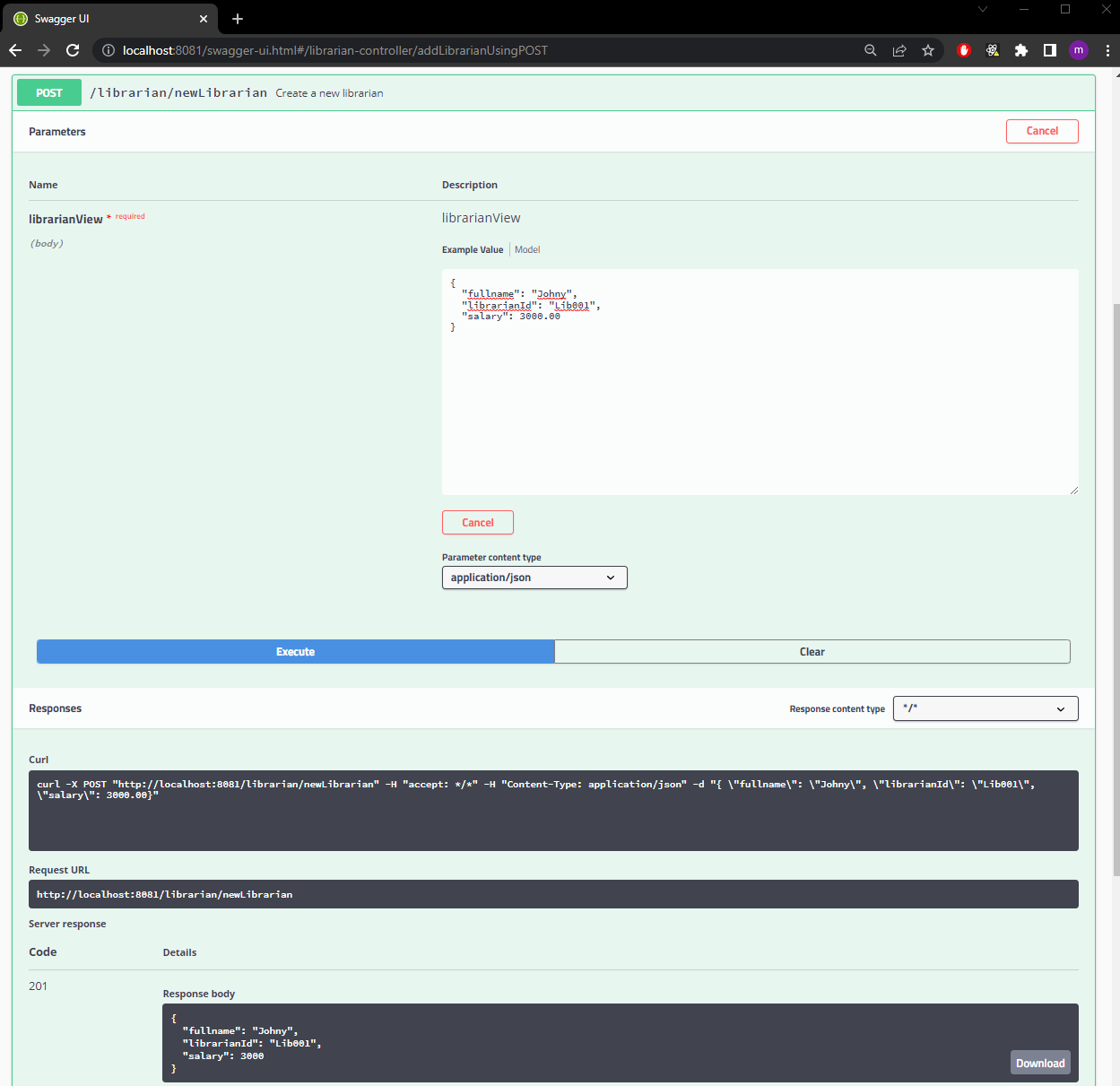
Fetch all librarians

Create new librarian

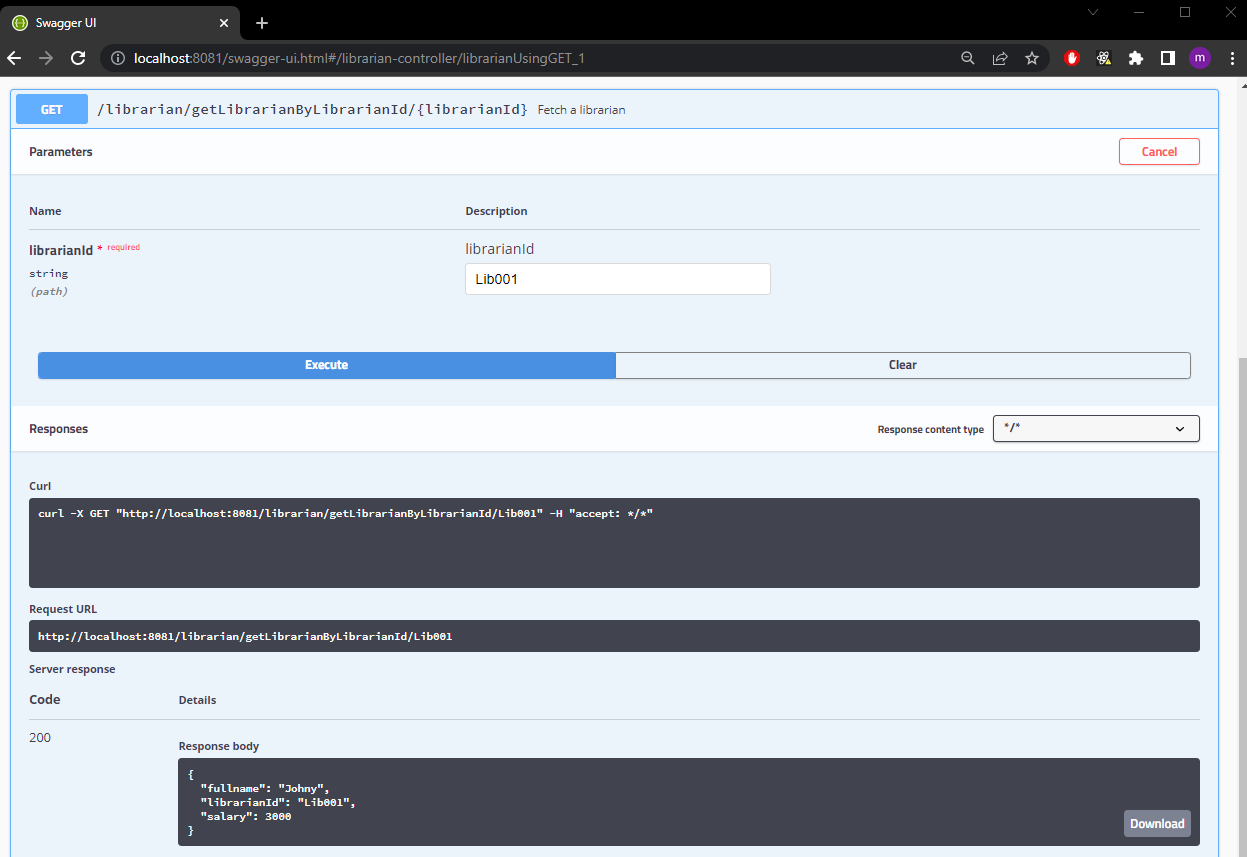
Update librarian

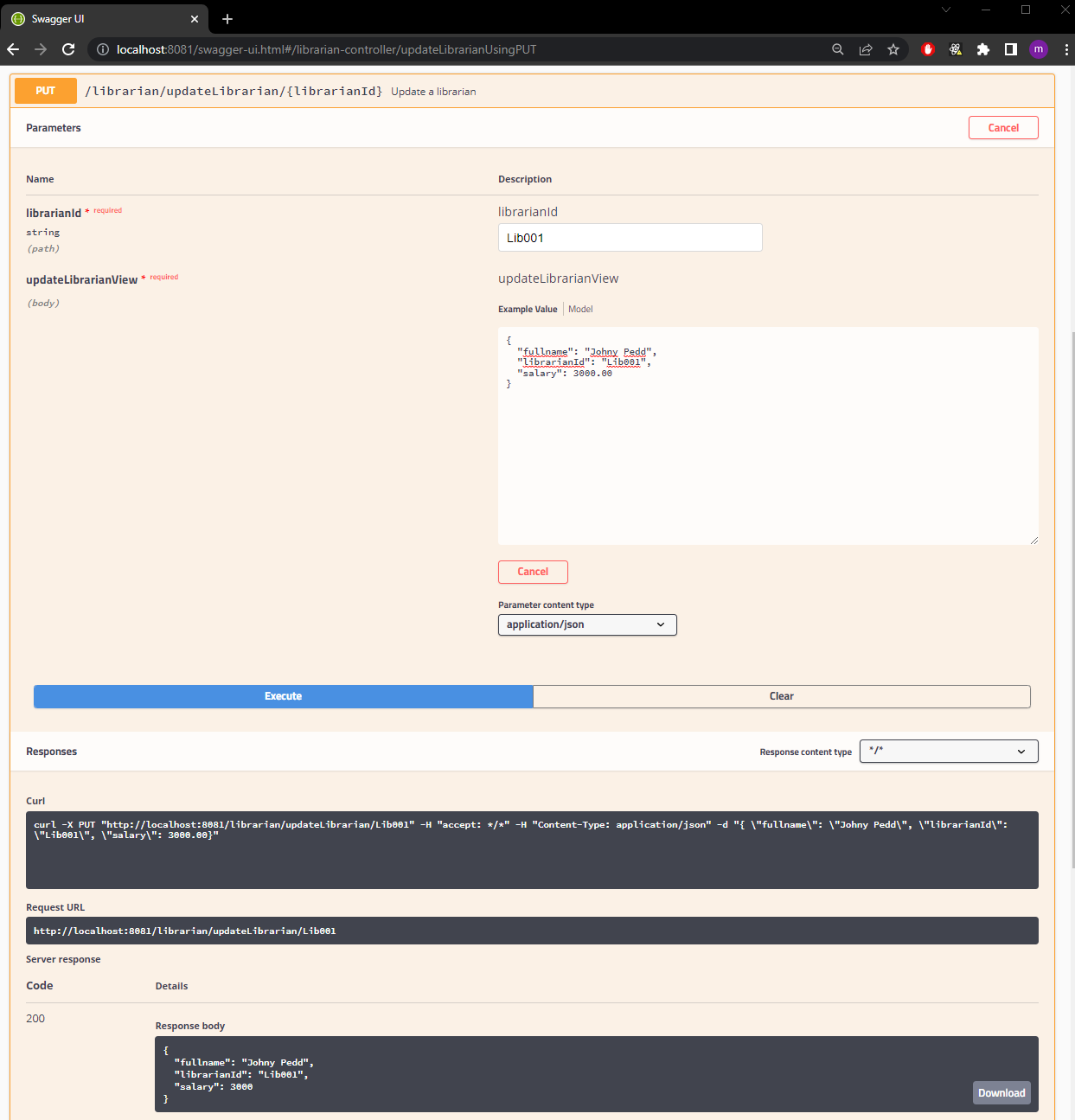
Delete librarian

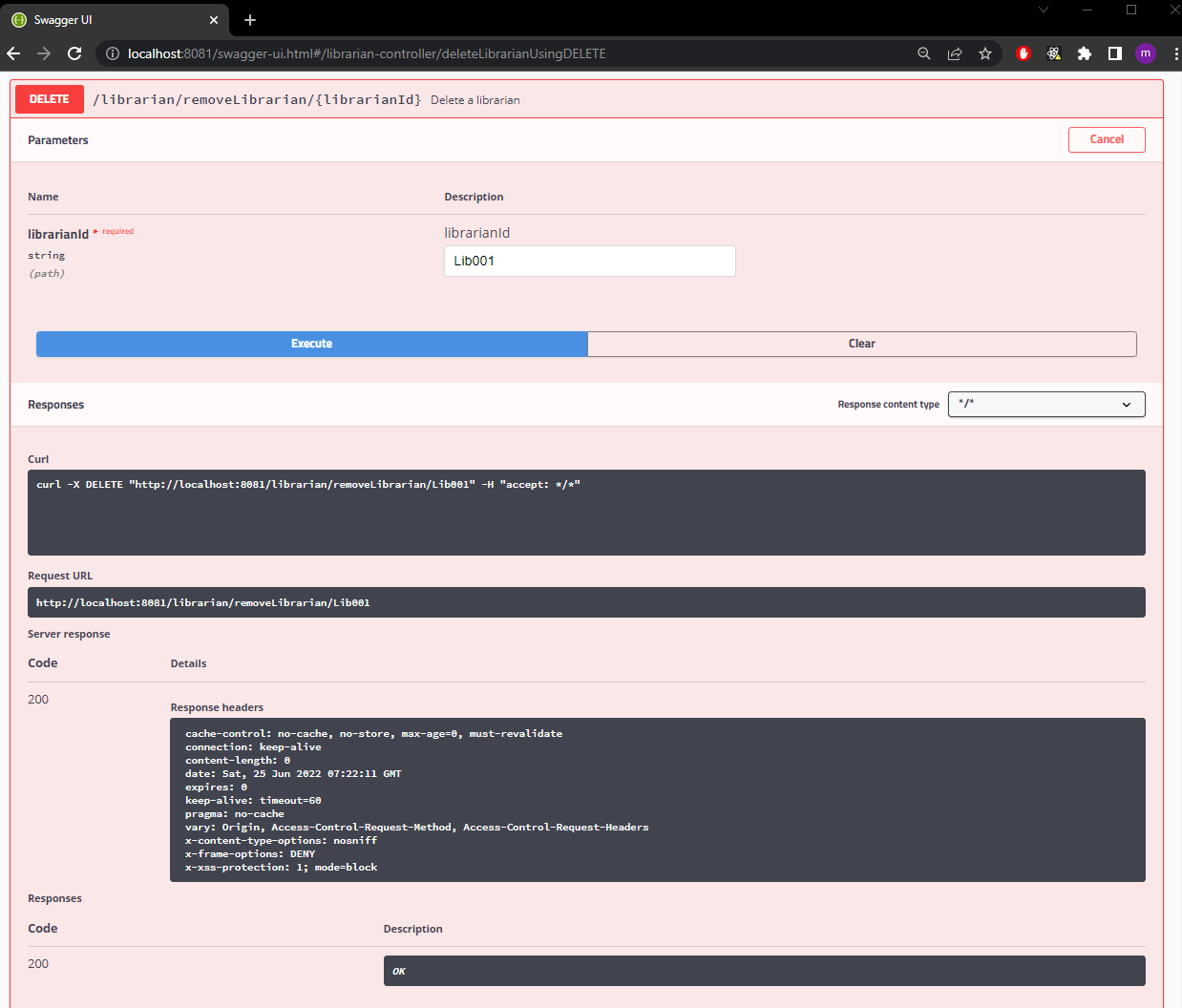
Find librarian by librarianId



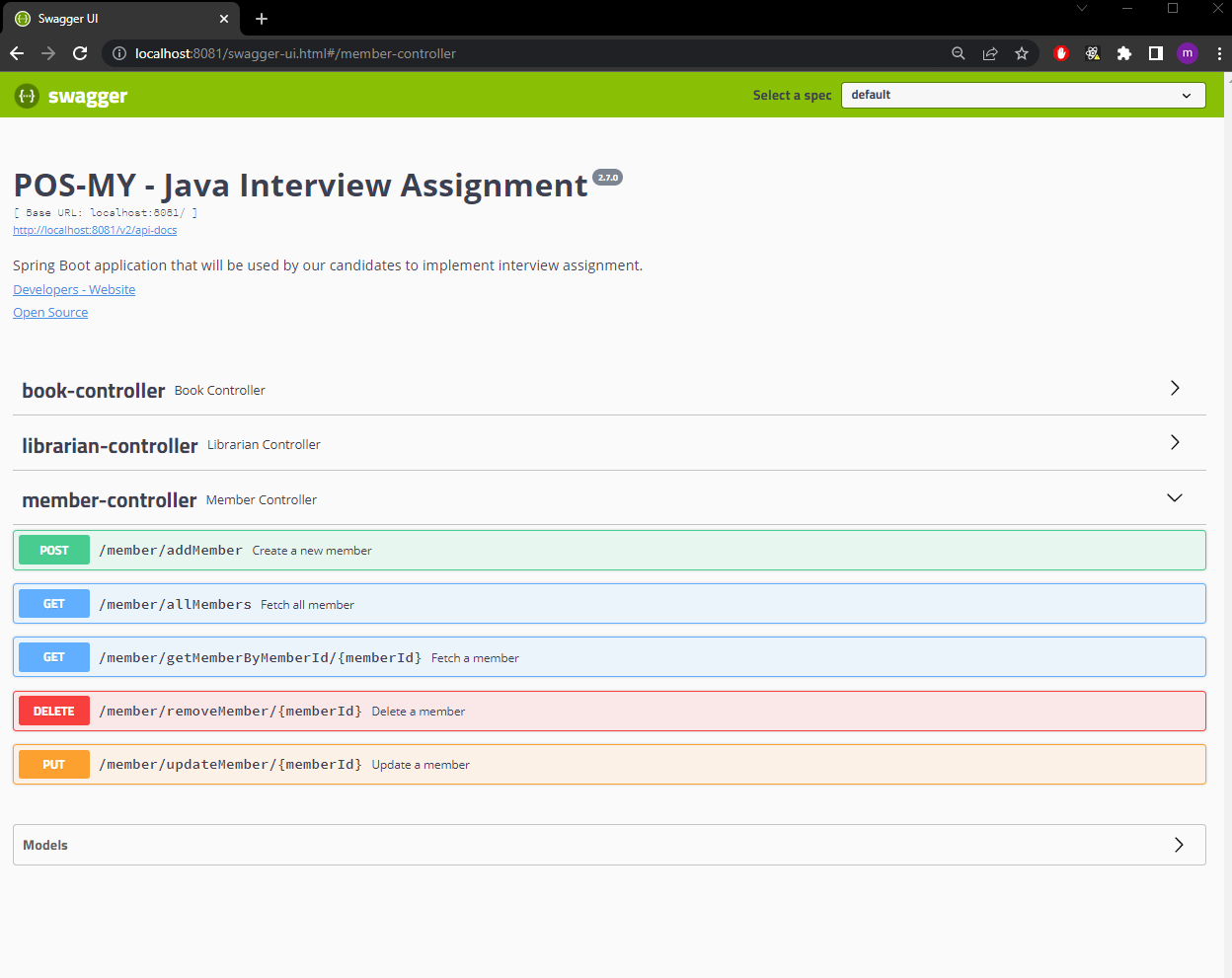
Create new librarian

Find librarian by librarianId

Update librarian

Delete librarian

**MEMBER**

Member controller containing endpoint related to its processes

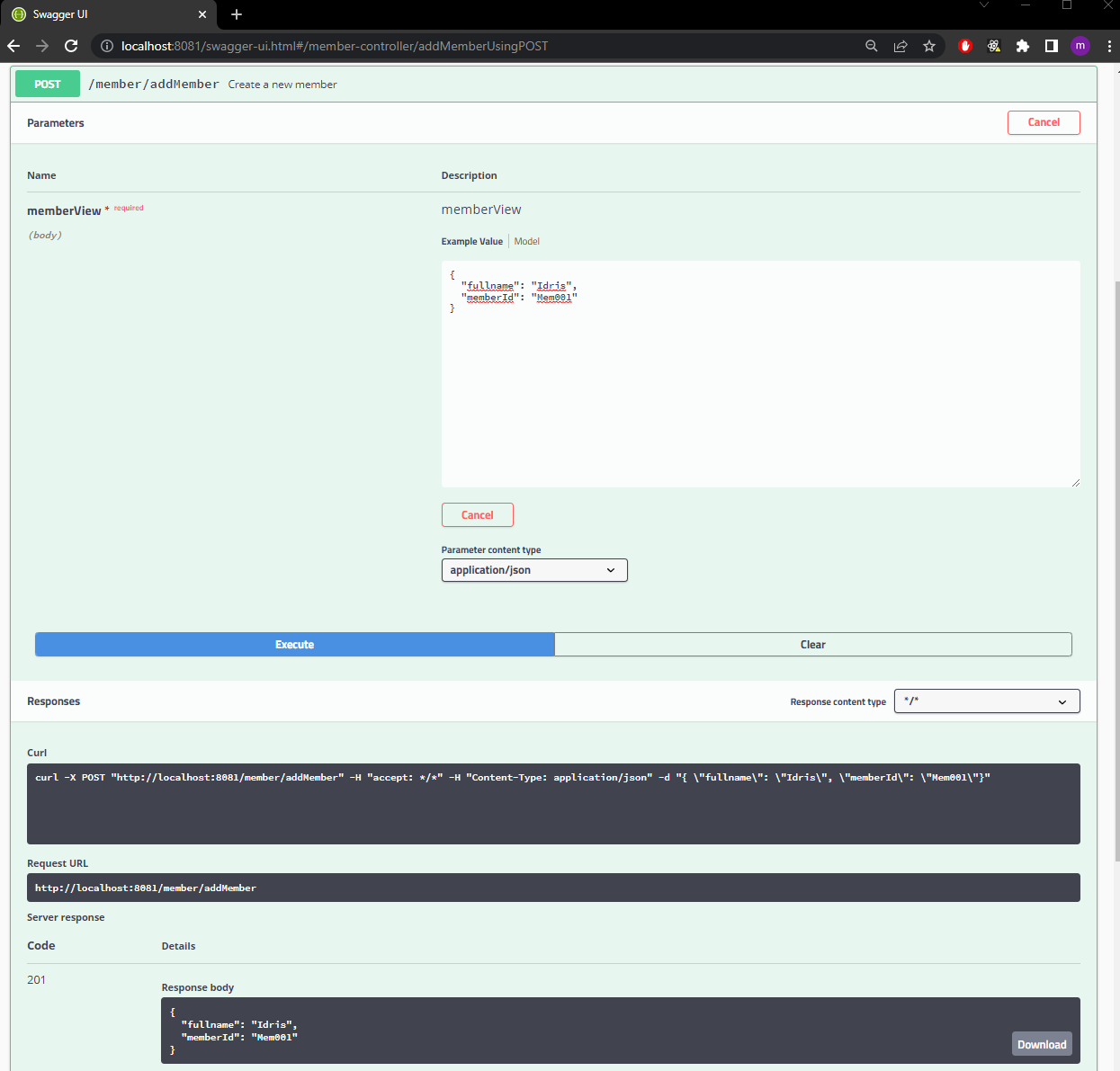
Fetch all members

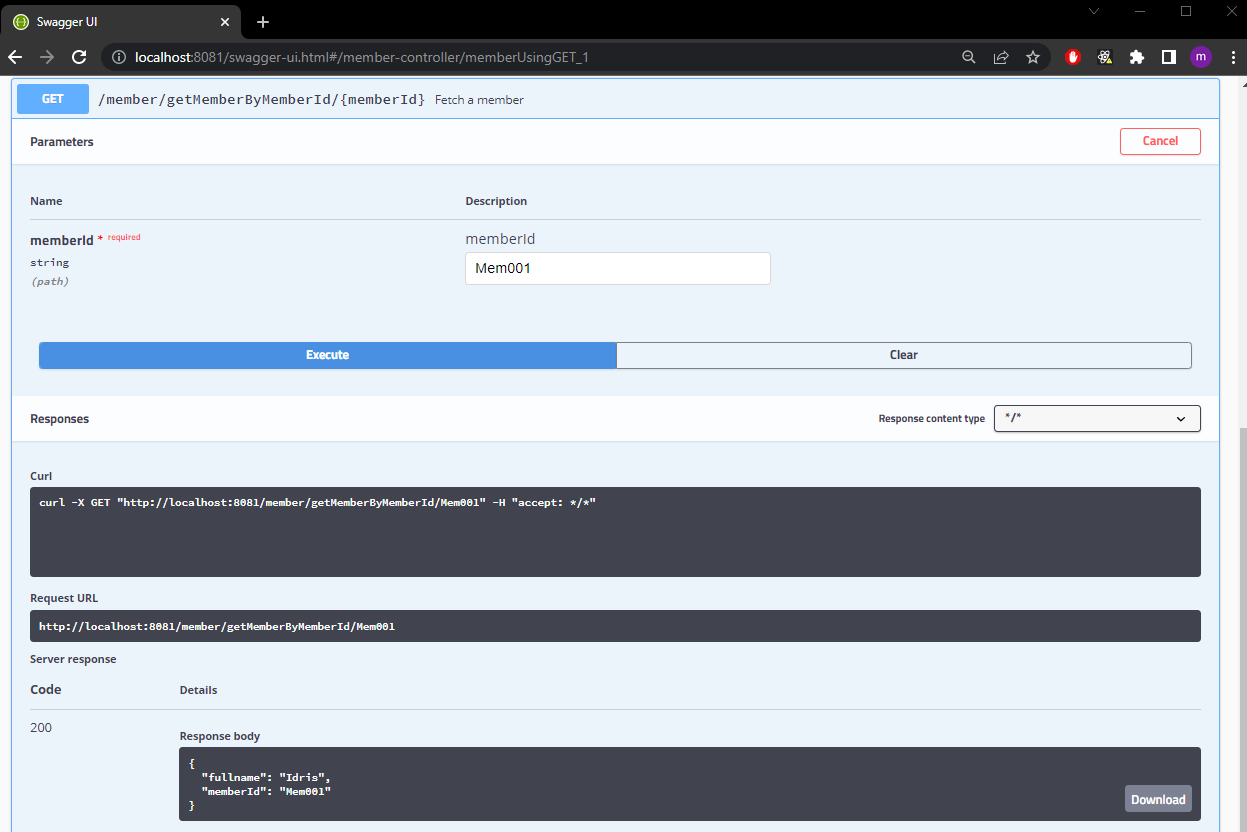
Create new member

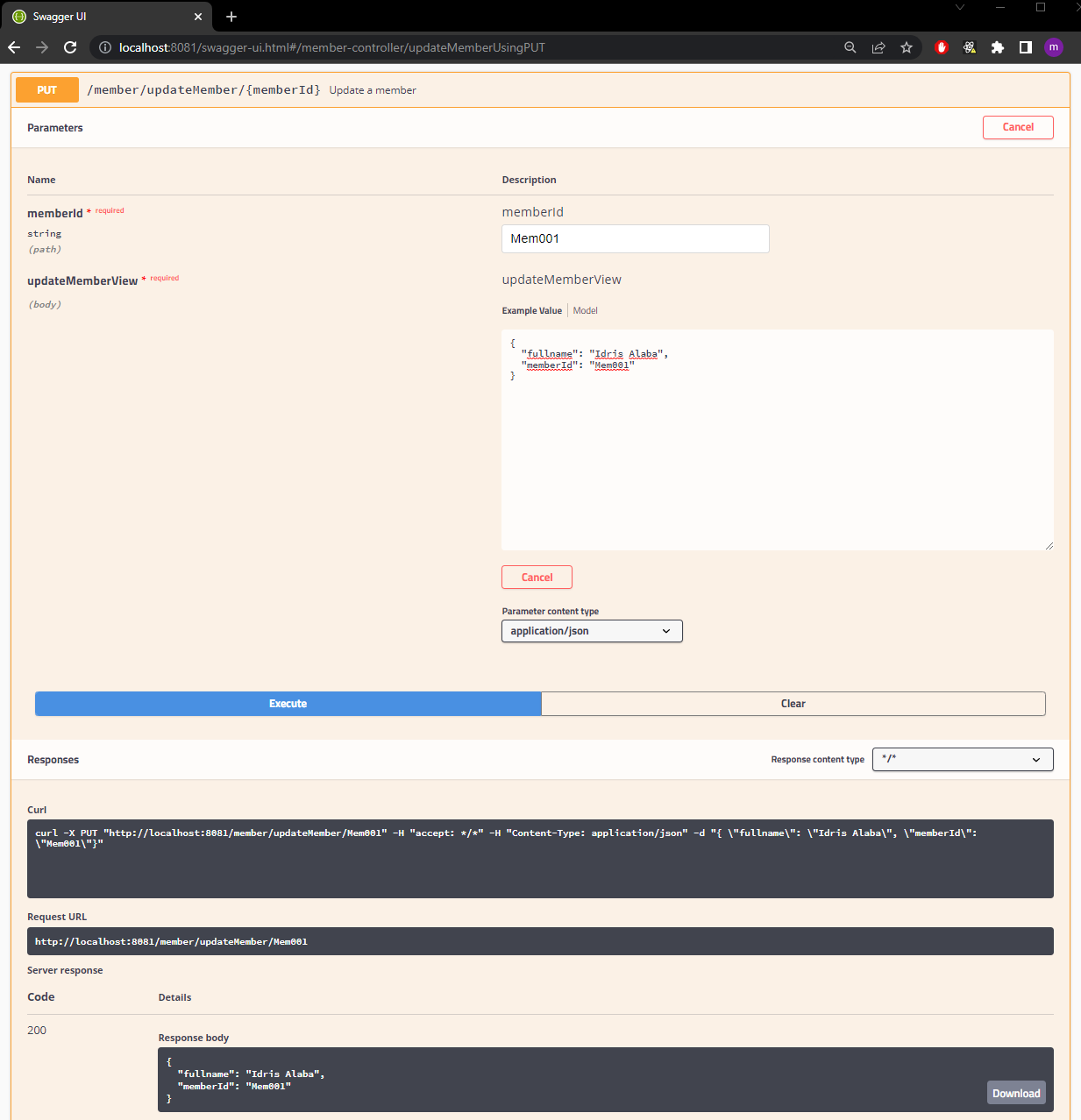
Update member

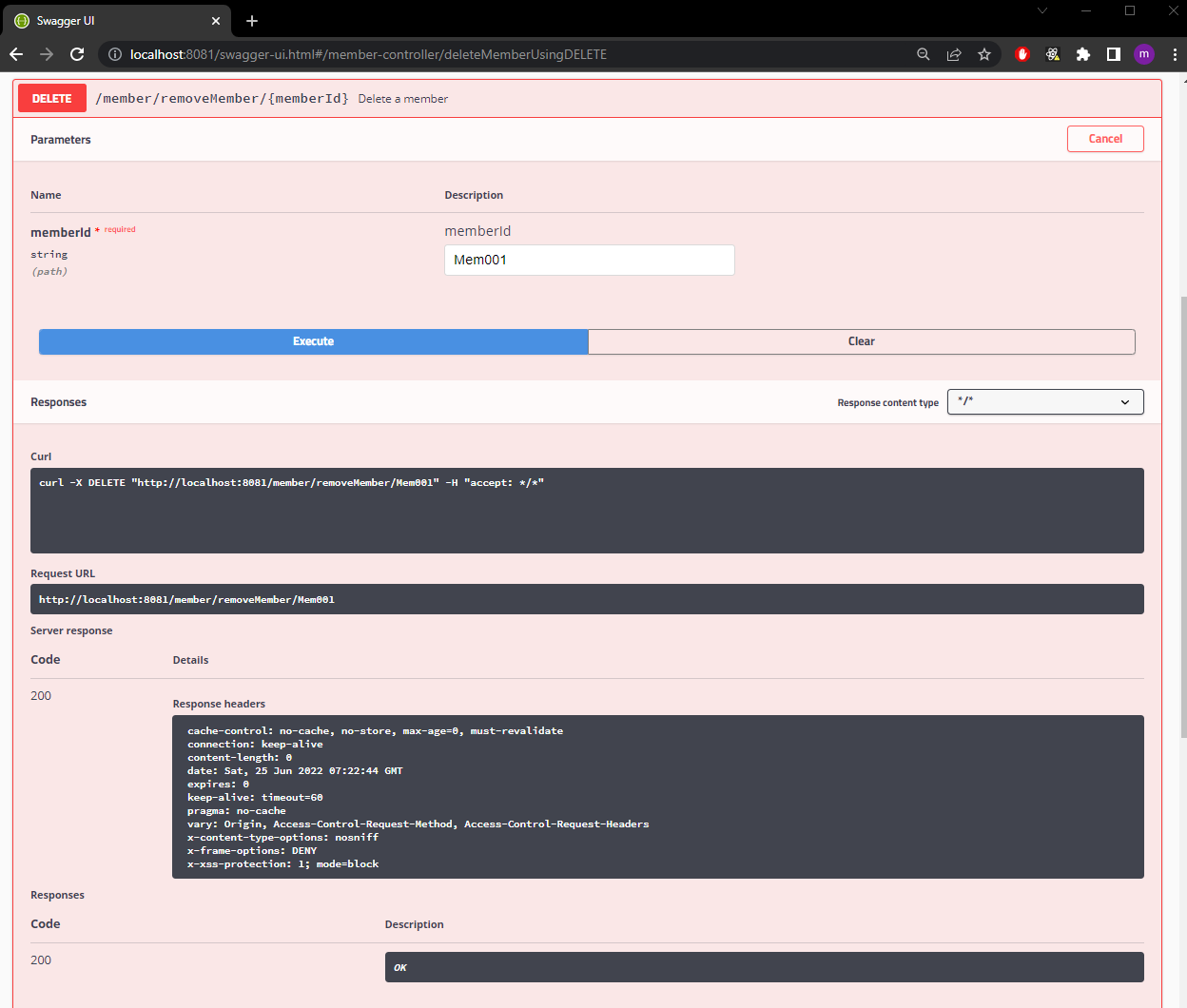
Delete member

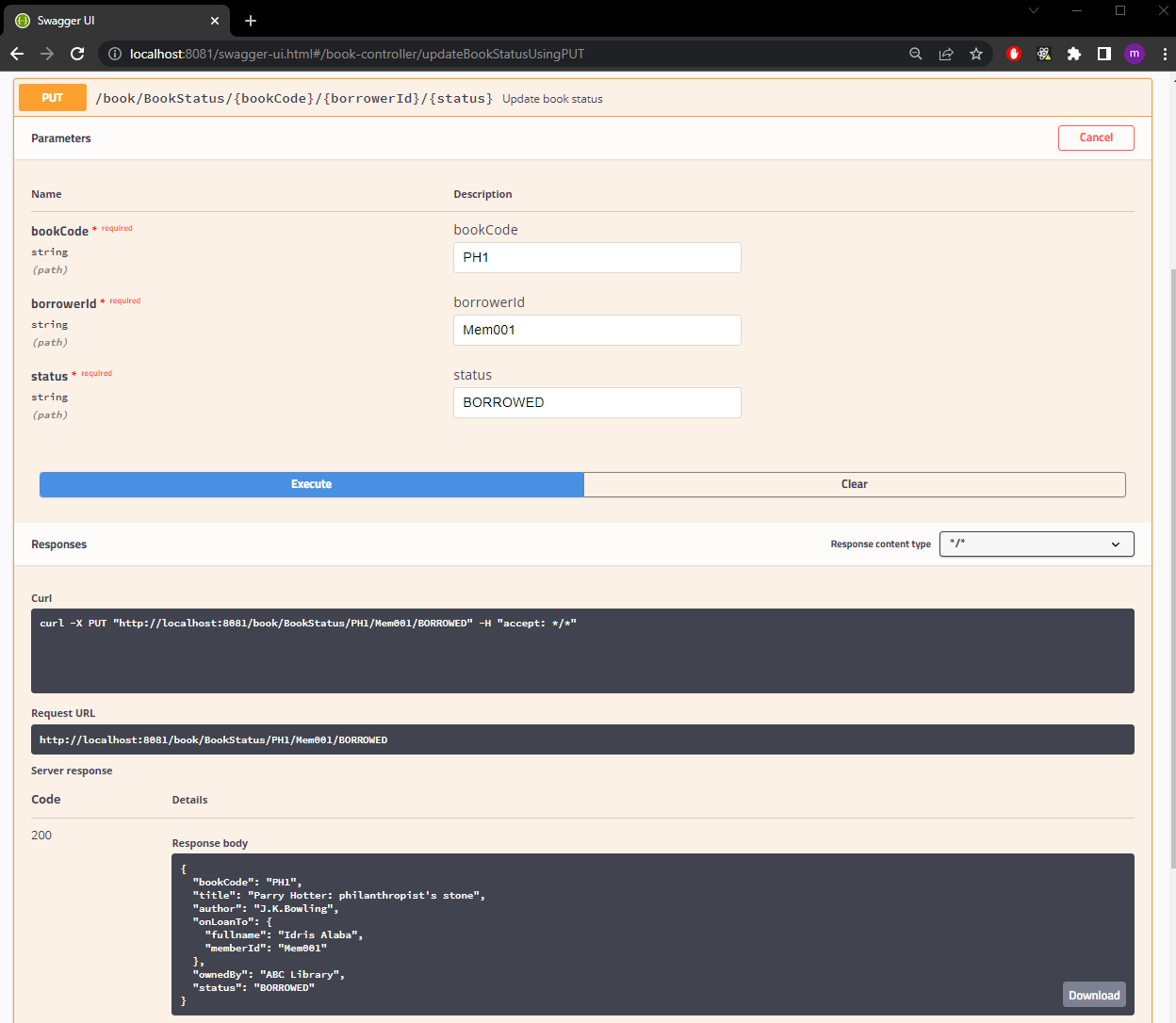
Find member by memberId

Create new member

Find member by memberId

Update member

Delete member

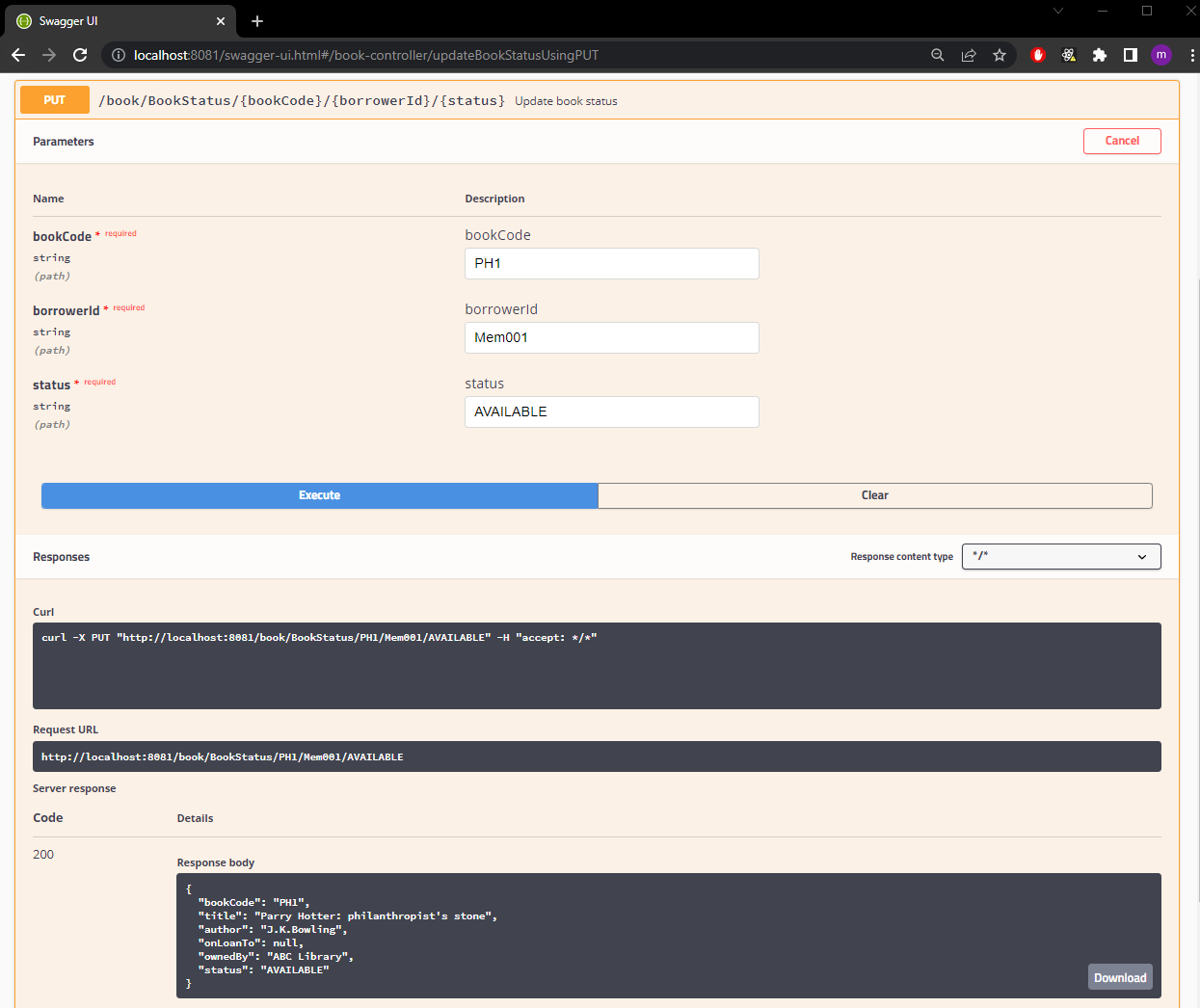


Update book status to BORROWED

Status will change to BORROWED

Book will bind to member - onLoanTo

Frontend can call this endpoint to get book record and borrower

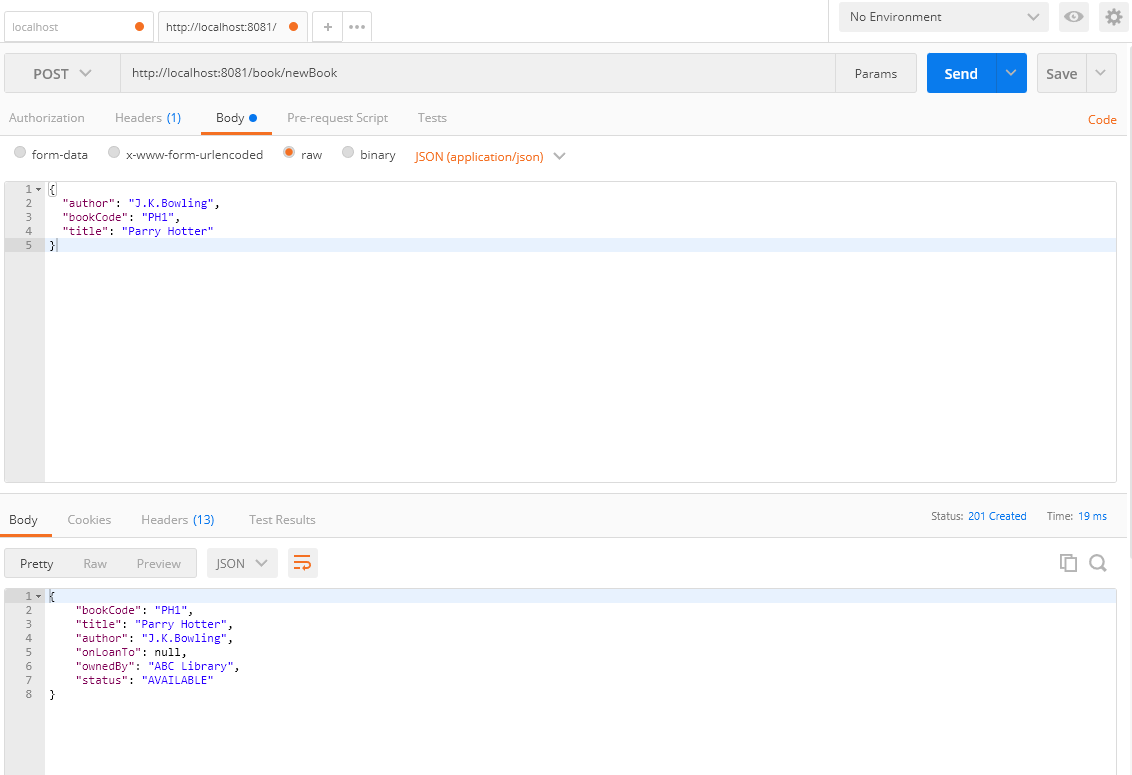


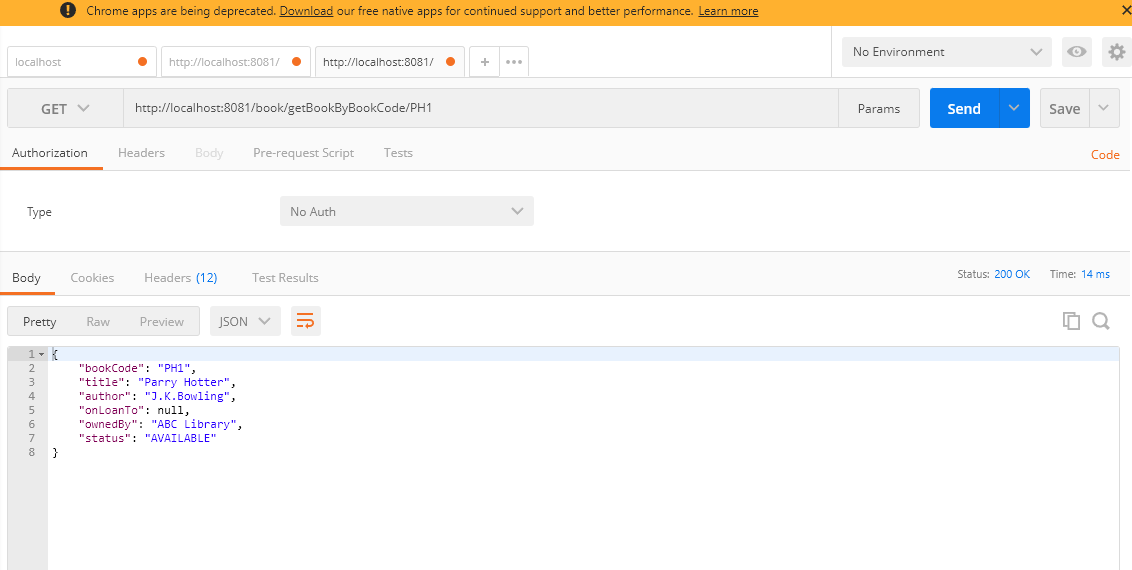
Update book status to AVAILABLE

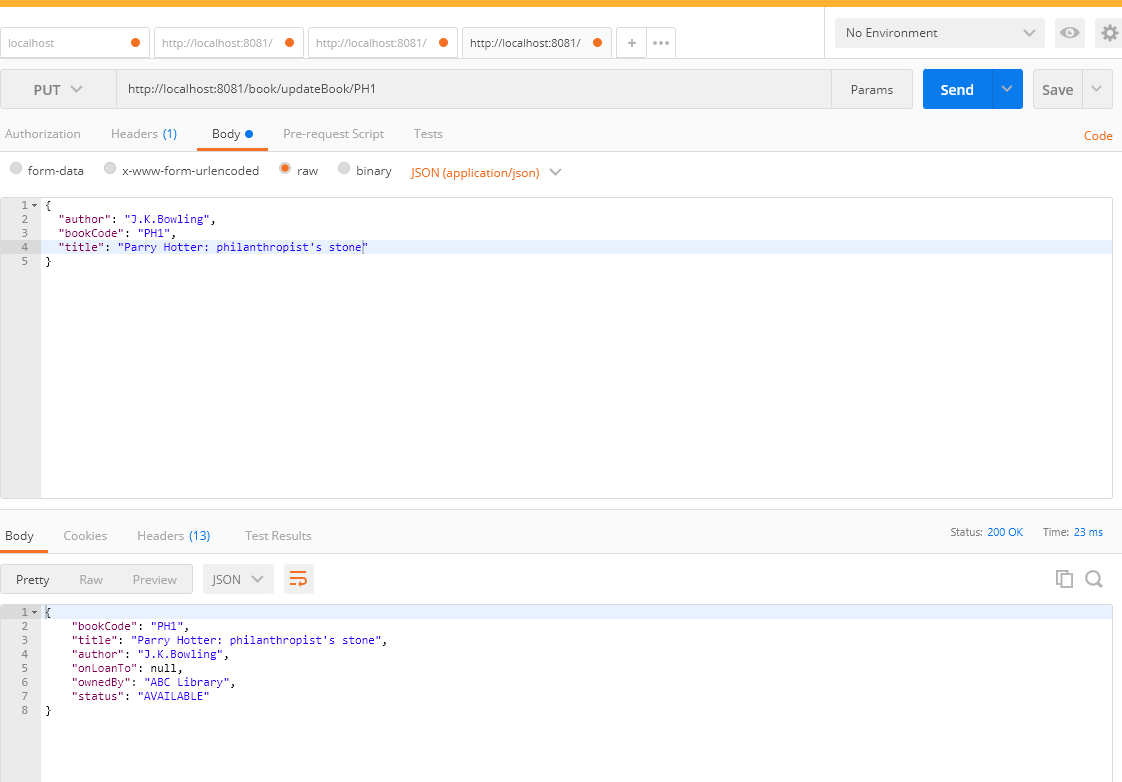
Status will change to AVAILABLE

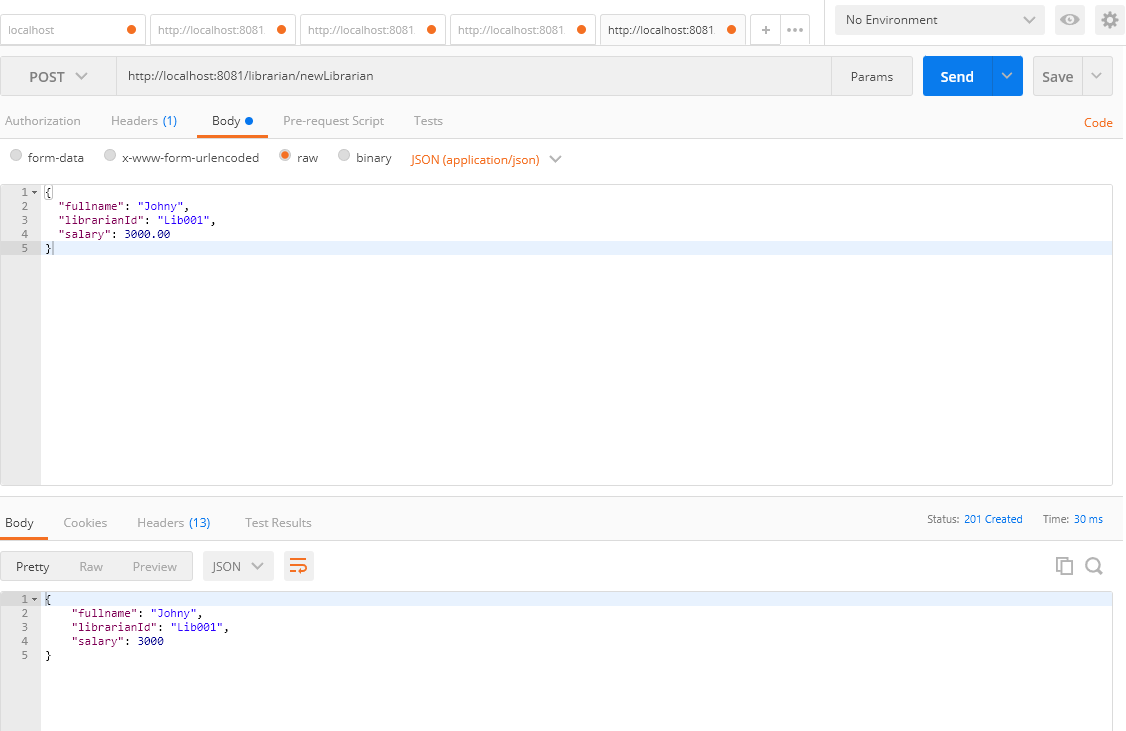
Once the book is returned, onLoanTo will clear and set as null

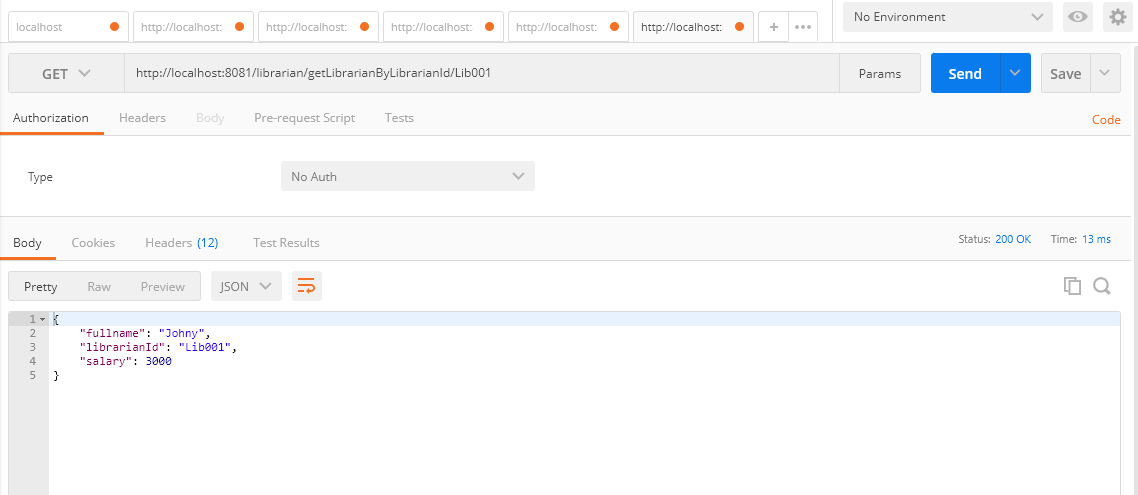
**API calling using Postman**

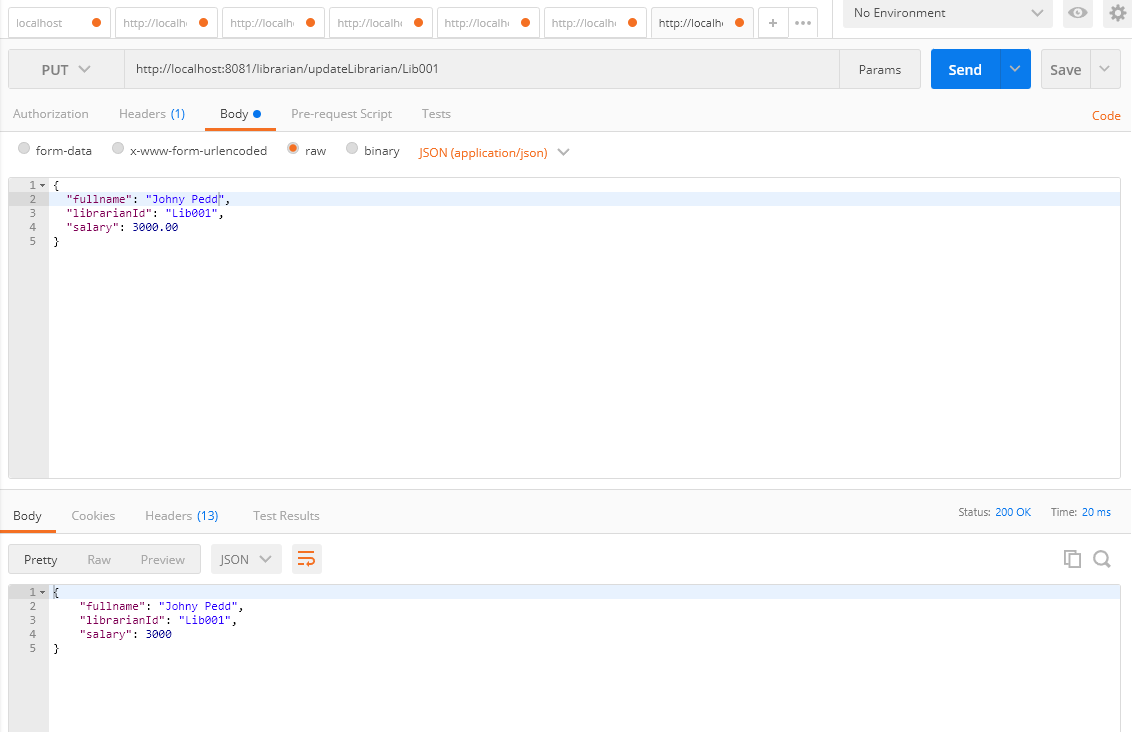
****add book

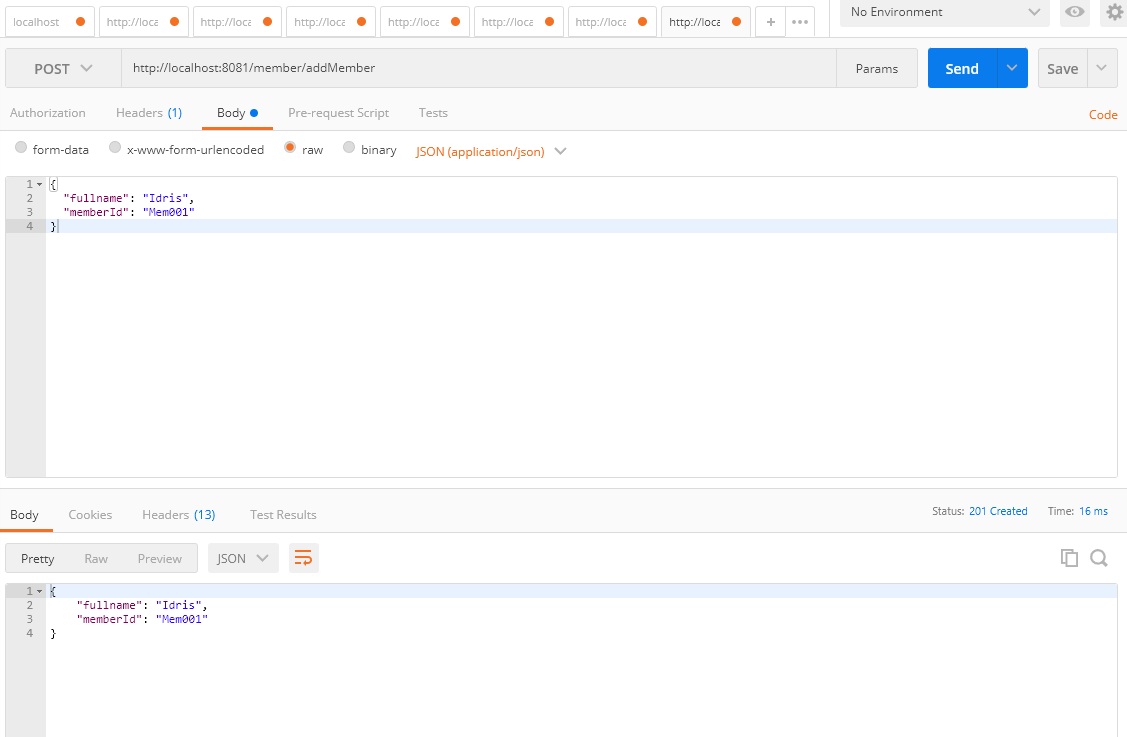
find book by bookCode

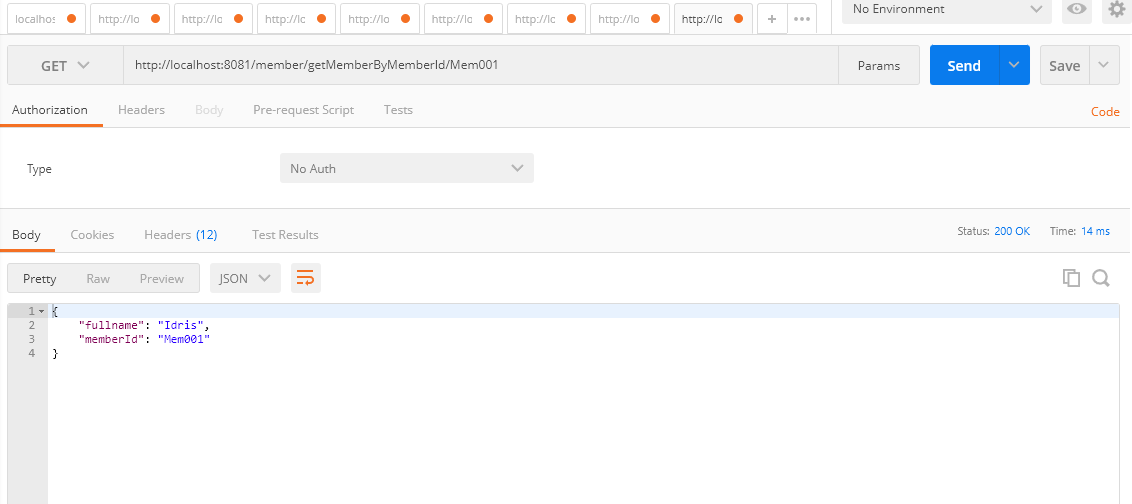
Update book

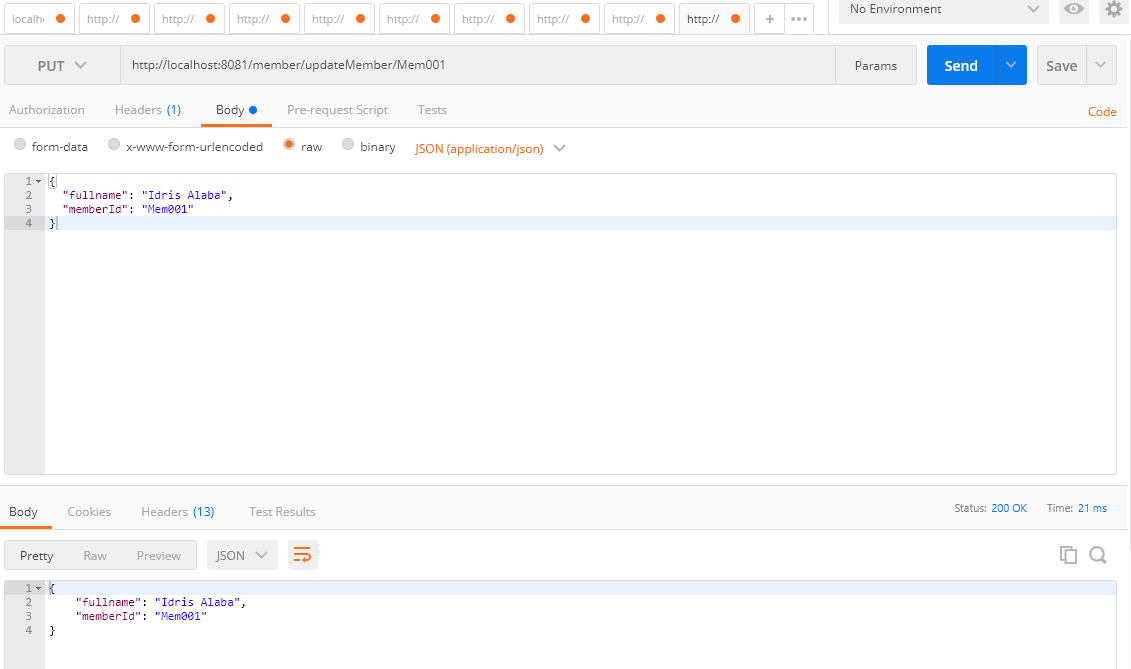
add create librarian

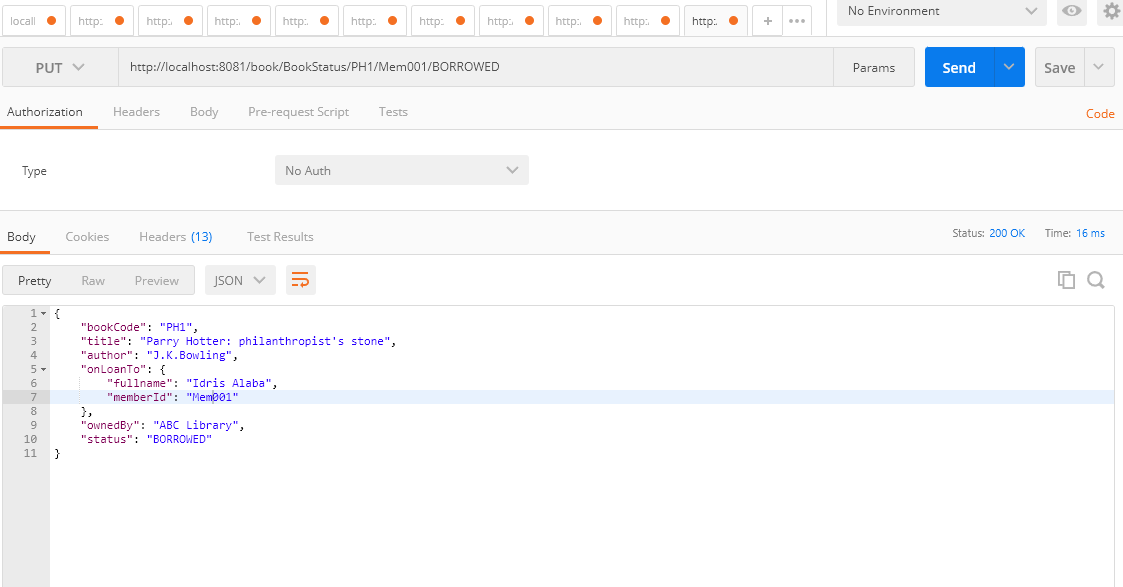
find librarian by librarianId

Update librarian

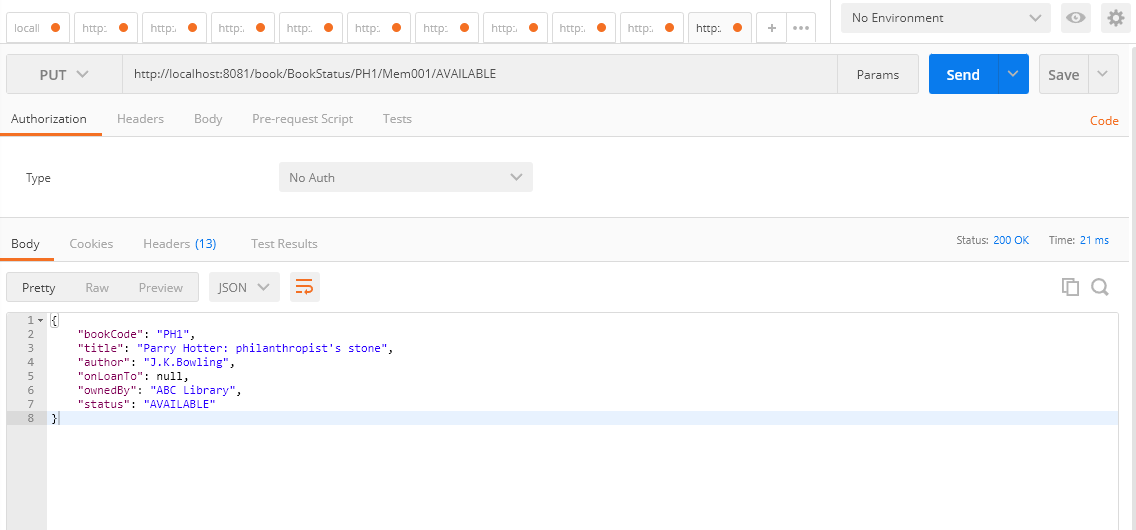
add new member

find member by memberId

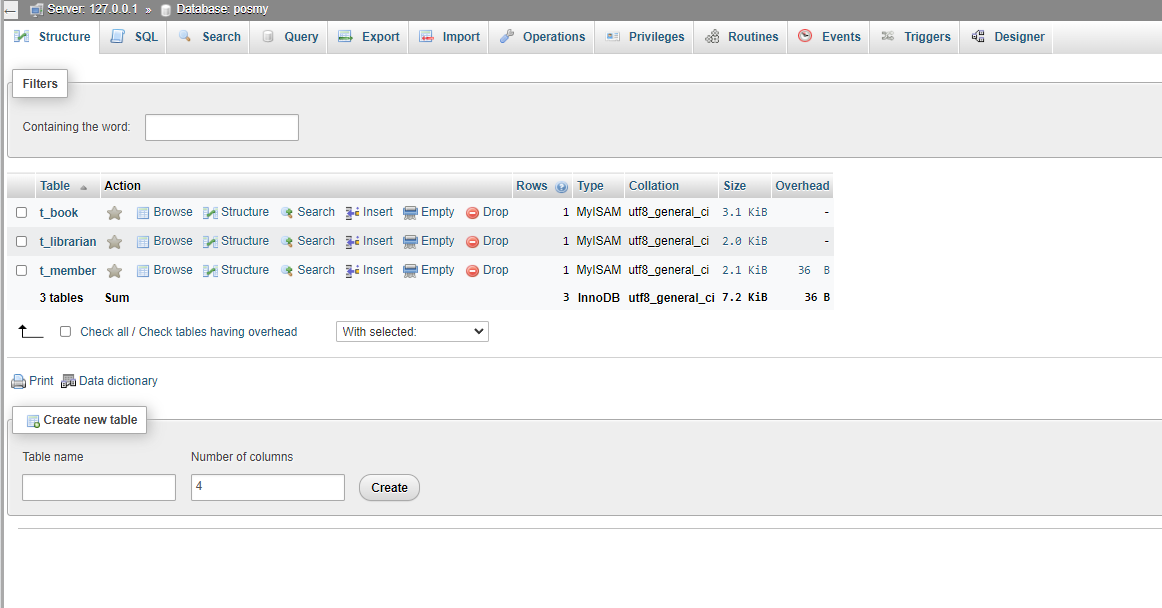
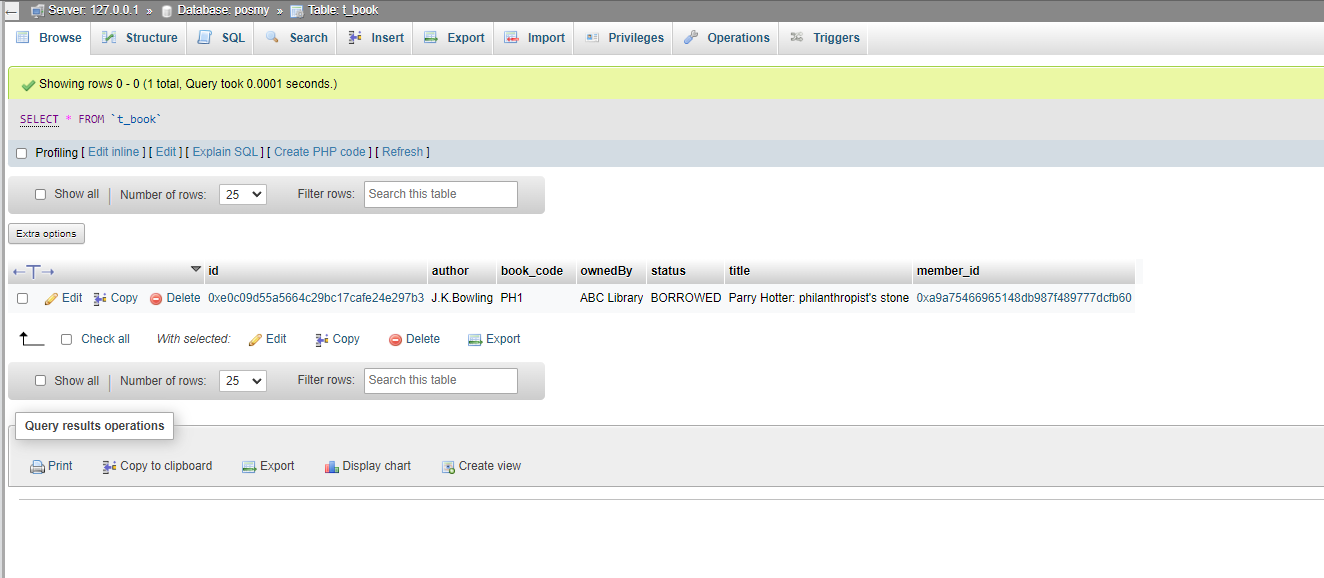
update member

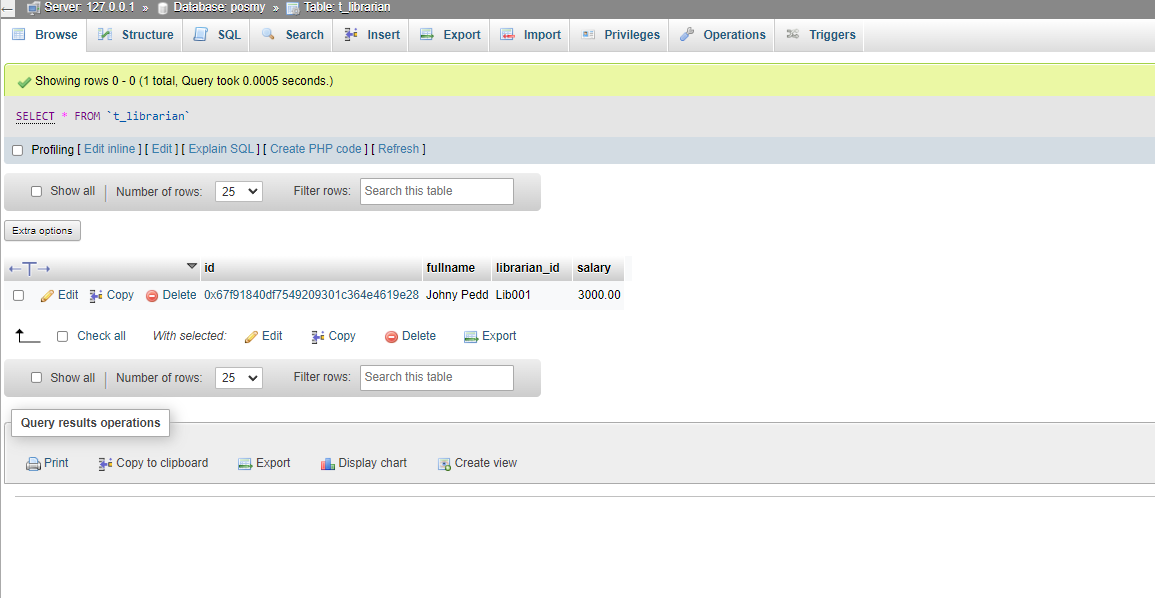
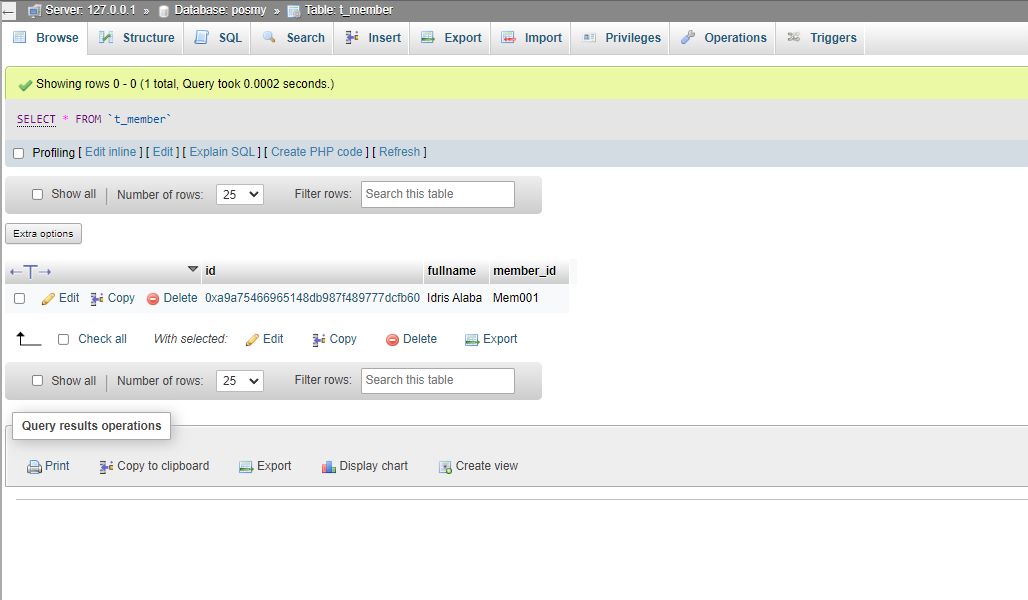


Change book status to BORROWED and bind to borrower



Change book status to AVAILABLE and remove borrower

**DATABASE**3 TablesBook table

Librarian tableMember table