

# API Design A3

GitHub repo link: <https://github.com/aakshu/a3>

## Manual tests screenshots:

Since I don't have any experience using tools like Postman, I created a quick client code to run and call the RPCs from a different terminal window to prove that they are working as the extra credit only requires proof that the RPCs work. The client file used for testing the code is provided in the GitHub repo.

### GetBook()

```
o aakshu@aakshuscbookpro a3 % python service/library_server.py
GetBook request received:
isbn: "1000"

█
```

*Server: GetBook() rpc receives request*

```
● aakshu@aakshuscbookpro a3 % python library_client.py
1. CreateBook
2. GetBook
Which rpc would you like to call: 2
Enter unique isbn of book to query: 1000
Get book rpc response received:
isbn: "1000"
title: "Harry Potter 3"
author: "JK Rowling"
genre: THRILLER
publishing_year: 2004

o aakshu@aakshuscbookpro a3 % █
```

*Client: GetBook() rpc returns response*

## CreateBook()

```
○ aakshu@aakshuscbookpro a3 % python service/library_server.py
GetBook request received:
isbn: "1000"

CreateBook request received:
isbn: "1003"
title: "Famous Four"
author: "Aakash"
genre: THRILLER
publishing_year: 2007

□
```

**Server:** *CreateBook() rpc receives request*

```
● aakshu@aakshuscbookpro a3 % python library_client.py
1. CreateBook
2. GetBook
Which rpc would you like to call: 1
Enter unique isbn of book: 1003
Enter title of book:Famous Four
Enter author of book:Aakash
Enter genre of book:THRILLER
Enter publishing year formatted as YYYY: 2007
Create book rpc response received:
isbn: "1003"

○ aakshu@aakshuscbookpro a3 % □
```

**Client:** *CreateBook() rpc returns response*