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Web Application Development
Assignment 4

Link To Github: <https://github.com/JuanBarrera0305/CMPS361PPU>

Link to Video: <https://youtu.be/drFArXUbbzw>

The screenshot displays the pgAdmin 4 web interface. On the left, a REST client is configured with a GET request to `http://localhost:8004/api/v1/library`. The response body shows a JSON array of book objects. On the right, the pgAdmin 4 interface shows the 'library/postgres@PostgreSQL 16' database selected. The 'Query' tab is active, showing a SQL query: `select * from book`. The 'Data Output' tab shows the results of the query, which are 21 rows of book data. A green notification at the bottom of the query editor indicates: 'Successfully run. Total query runtime: 197 msec. 21 rows affected.'

REST Client Request:

```
GET http://localhost:8004/api/v1/library
```

REST Client Response (JSON):

```
[{"id": 5, "booktype": "Dystopian", "bookname": "1984"}, {"id": 6, "booktype": "Detective", "bookname": "The Adventures of Sherlock Holmes"}, {"id": 7, "booktype": "Romance", "bookname": "Pride and Prejudice"}]
```

pgAdmin 4 Query Results:

id	booktype	bookname
1	Comics	Watchmen
2	Mangas	Dragon Ball
3	Business	Good to Great
4	Personal Finance	Rich Dad Poor Dad
5	Dystopian	1984
6	Detective	The Adventures of Sherlock Ho
7	Romance	Pride and Prejudice
8	Biography	Steve Jobs
9	Adventure	the adventure of huckleberry fi
10	Cartoons	Avatar: The Last Airbender
11	Cartoons	Monica
12		

ID Number	Book Type	Book Name
11	Fantasy	Narnia
12	Horror	Frankenstein
13	Mystery	The Da Vinci Code
14	Thriller	The Girl with the Dragon Tattoo
15	Historical Fiction	The Book Thief
16	Memoir	Educated
17	Young Adult	The Hunger Games
18	Fairy Tale	Cinder
19	Self Help	The Subtle Art of Not Giving a F*ck
20	Satire	Catch-22