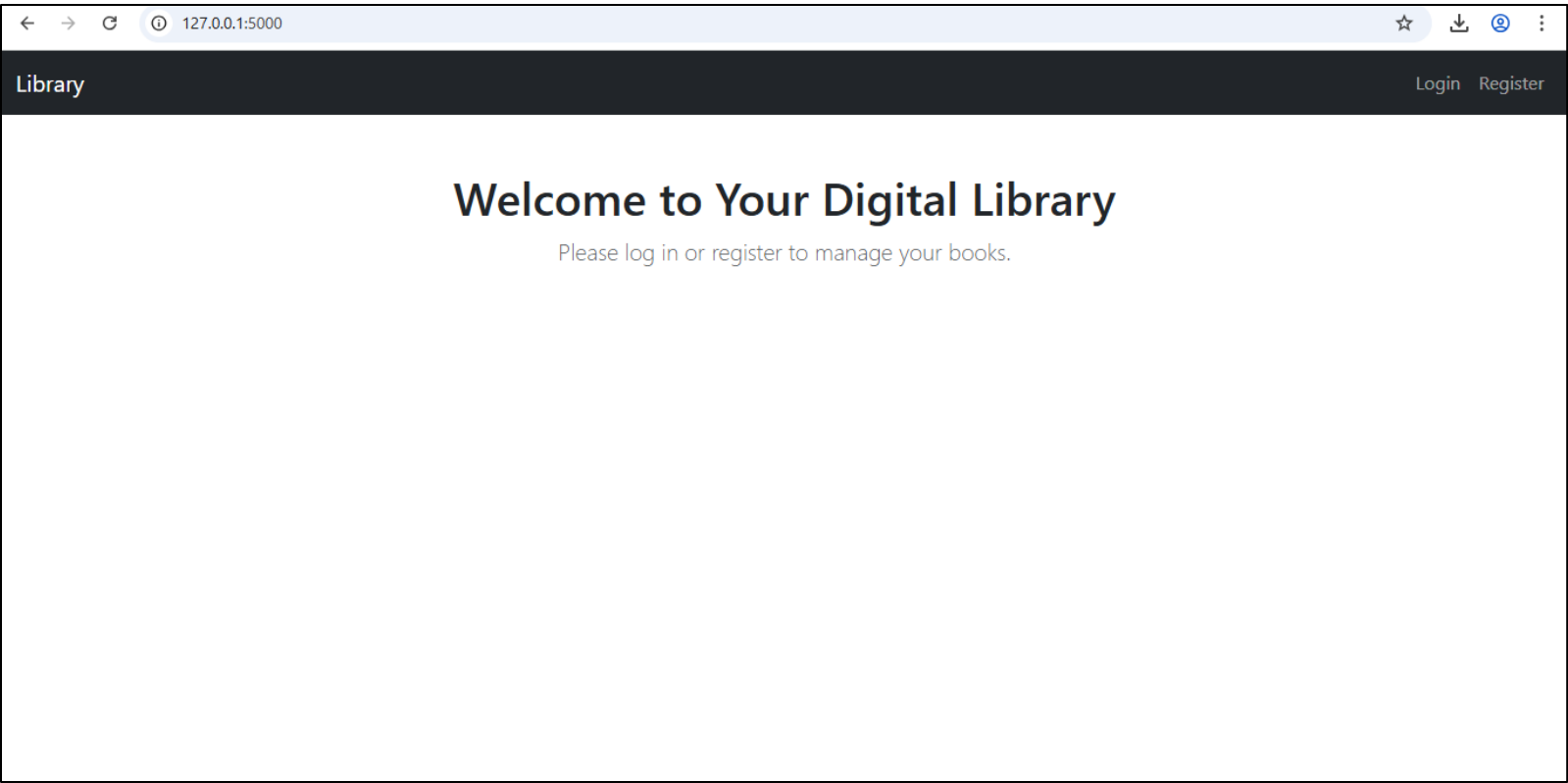


Universidad Interamericana de Puerto Rico- Recinto de Arecibo
Programa de Ciencias de Computadora

Gestión de Biblioteca Personal Digital
COMP2052.WEB DEV SERV-SIDE&MICROSER BKE

Angel Y. Romero Labrador (R00655296)



Página Principal: No Usuario

← → ↻ ⓘ 127.0.0.1:5000/register 🔍 ☆ ⬇️ ⓘ ⋮

Library Login Register

User Registration

Username

Email

Password

Confirm password

Role

Lector

Lector

Moderador

register

Pagina Registro: Crear usuario, seleccionar rol

← → ↻ ⓘ 127.0.0.1:5000/login 🔍 ☆ ⬇️ ⓘ ⋮

Library Login Register

User registered successfully.

User Login

Email

lectorejemplo@gmail.com

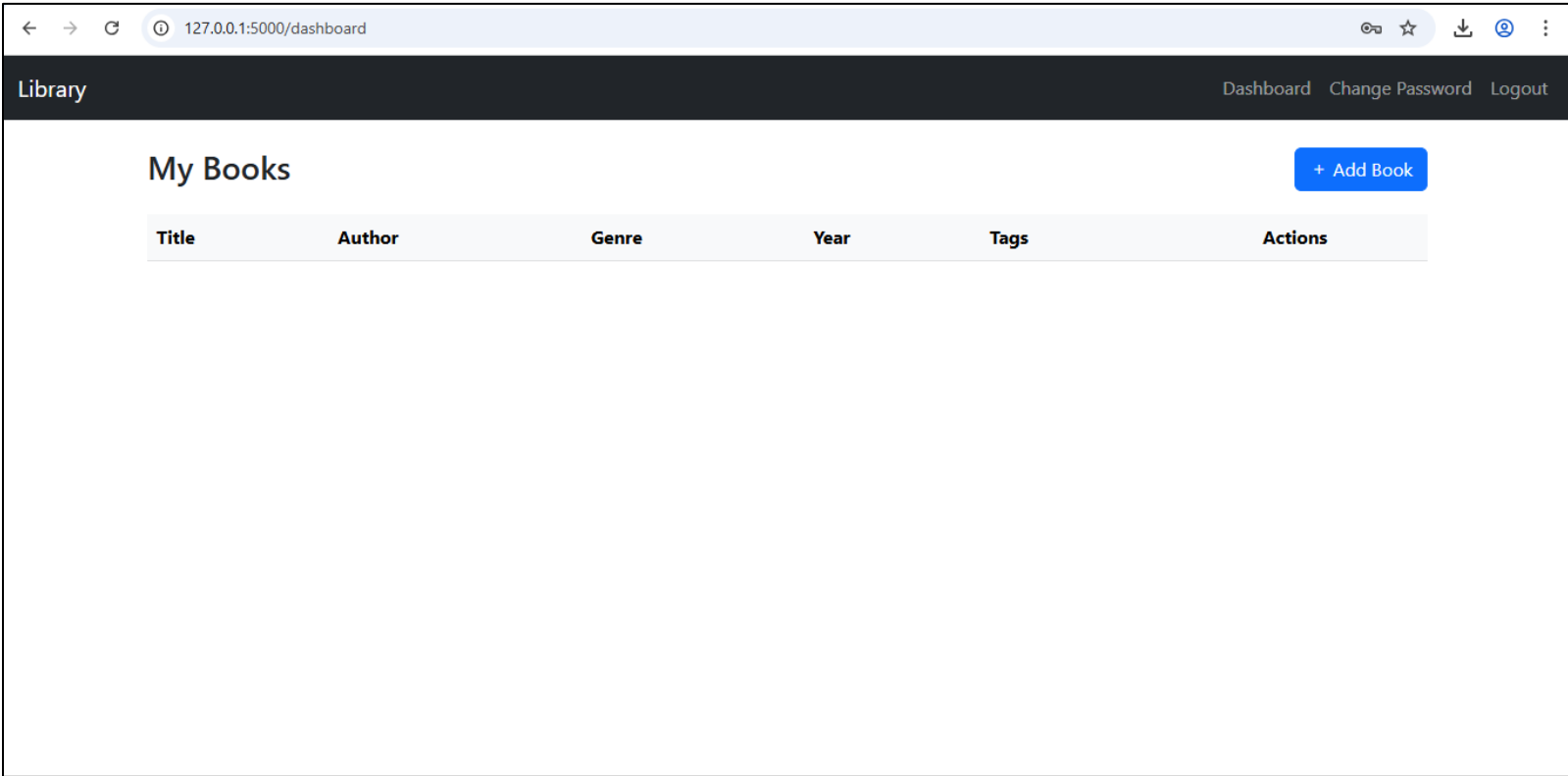
Password

.....

Login

Don't have an account? [Register here.](#)

Página de login: Utiliza database (biblioteca_personal.sql)



Página de Dashboard (Lector y moderador)

127.0.0.1:5000/libros/4/editar

Title

After Ever After

Author

Jordan Sonnenblick

Genre

Realistic Fiction

Year

2010

Link (optional)

Notes

Jeffrey isn't a little boy with cancer anymore. He's a teen who's in remission, but life still feels fragile. The aftereffects of treatment have left Jeffrey with an inability to be a great student or to walk without limping. His parents still worry about him. His older brother, Steven, lost it and took off to Africa to

Tags (comma-separated)

Pagina añadir y editar libro (lector y moderador)





127.0.0.1:5000/dashboard

LibraryDashboardChange PasswordLogout

Book updated successfully.

My Books

+ Add Book

| Title | Author | Genre | Year | Tags | Actions |
|------------------|--------------------|-------------------|------|------|---|
| Overlord | Kugane Maruyama | Fantasy | 2011 | |   |
| After Ever After | Jordan Sonnenblick | Realistic Fiction | 2010 | |   |

Página de Dashboard con libros (lector y moderador)

The screenshot shows a web browser window with the address bar displaying '127.0.0.1:5000/cambiar-password'. The page has a dark header with 'Library' on the left and navigation links 'Dashboard', 'Change Password', and 'Logout' on the right. The main content area is titled 'Change Password' and contains three input fields: 'Current password' (placeholder: 'Enter current password'), 'New password' (placeholder: 'Enter new password'), and 'Confirm new password' (placeholder: 'Confirm new password'). Below these fields is a green button labeled 'Update Password'.

Página de Cambio de Password

The screenshot shows a web browser window with the address bar displaying '127.0.0.1:5000/dashboard'. The page has a dark header with 'Library' on the left and navigation links 'Dashboard', 'Users', 'Change Password', and 'Logout' on the right. The main content area is titled 'My Books' and features a blue button labeled '+ Add Book'. Below the title is a table with the following structure:

| Title | Author | Genre | Year | Tags | Actions |
|-------|--------|-------|------|------|---------|
|-------|--------|-------|------|------|---------|

Página de Dashboard (Administrador): Contiene la opción User

127.0.0.1:5000/usuarios

Library

DashboardUsersChange PasswordLogout

List of Registered Users

| Username | Email | Role |
|---------------|-------------------------|-----------|
| Administrador | admin@example.com | Admin |
| Moderador Uno | mod@example.com | Moderador |
| Lector Uno | lector@example.com | Lector |
| LectorEjemplo | lectorejemplo@gmail.com | Lector |

Página de Usuario(solo administrador): Permite ver los usuarios en la base de datos

127.0.0.1:5000/dashboard

Library

DashboardChange PasswordLogout

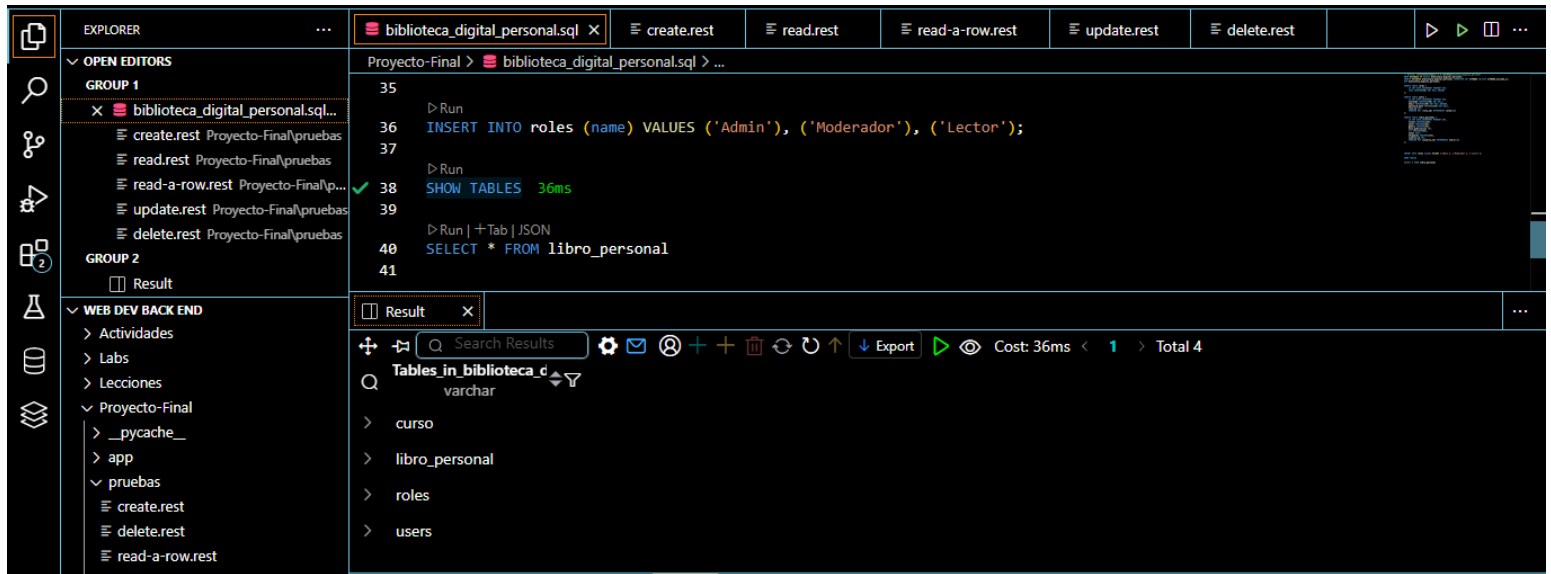
You do not have permission to view this page.

My Books

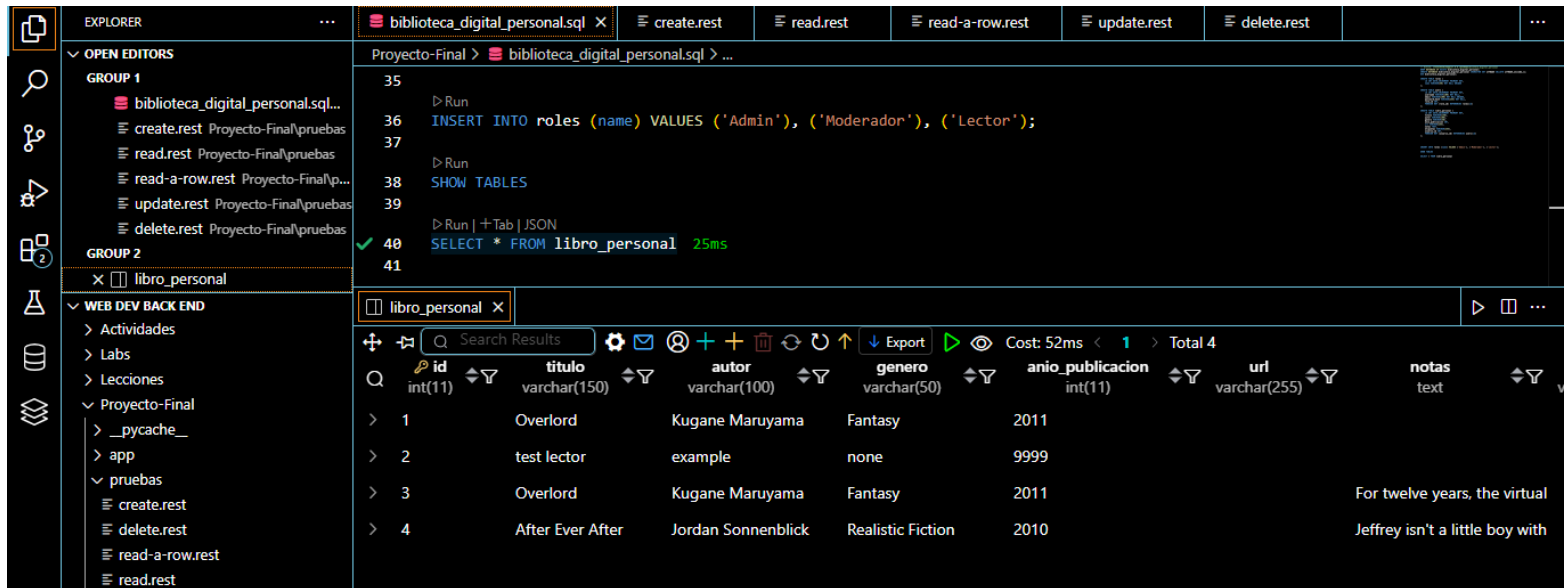
+ Add Book

| Title | Author | Genre | Year | Tags | Actions |
|-------------|---------|-------|------|------|-----------------------------------|
| test lector | example | none | 9999 | | <div><div></div><div></div></div> |

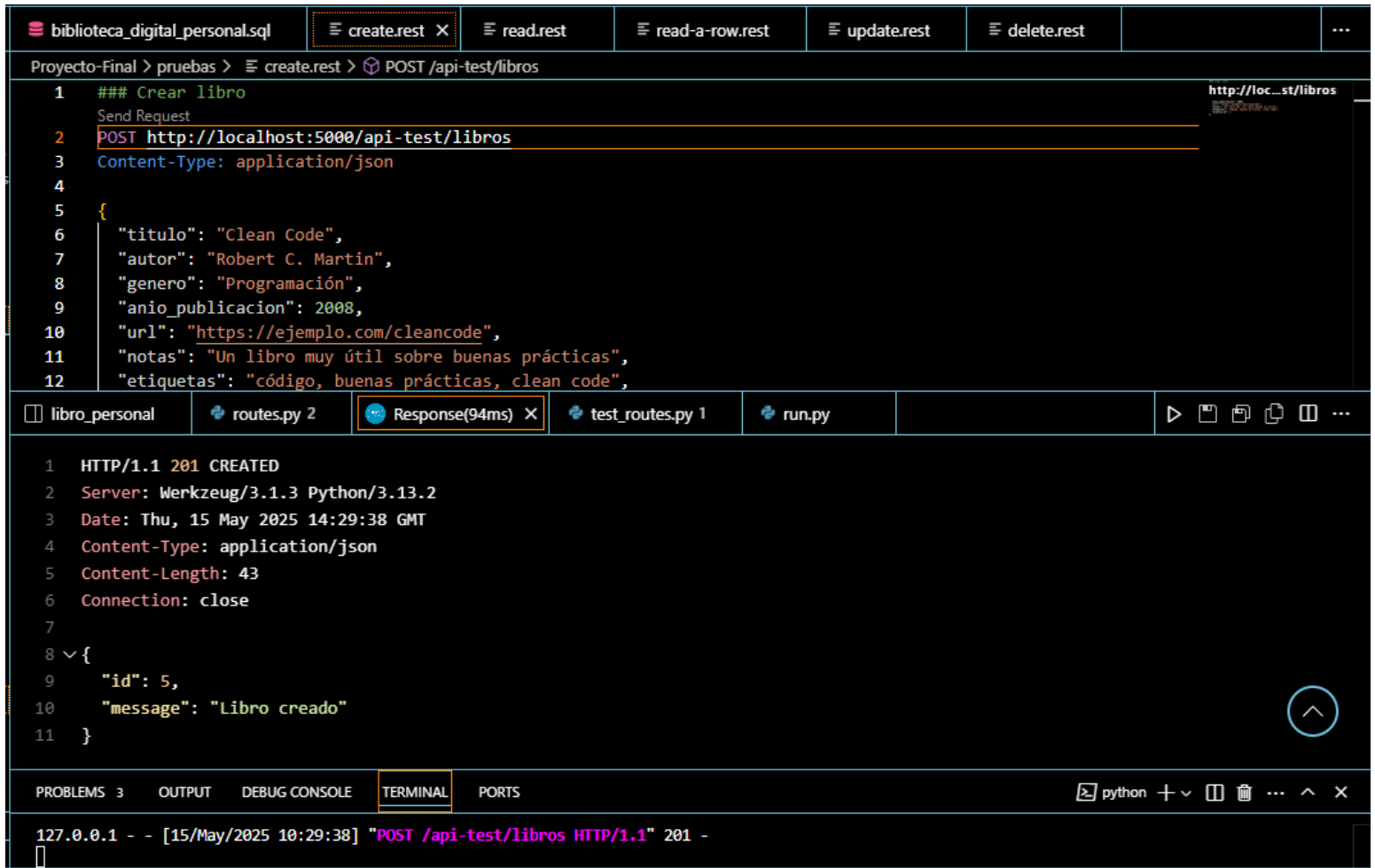
Mensaje cuando Lector o Moderador intentan acceder página de User(/usuarios)



Base de Datos en Visual Studio Code



Base de Datos antes de pruebas END-POINT



Prueba END-POINT Create.rest

biblioteca_digital_personal.sql

read.rest X

read-a-row.rest

update.rest

delete.rest

...

Proyecto-Final > pruebas > read.rest > GET /api-test/libros

1 ### Obtener todos los libros

Send Request

2 GET http://localhost:5000/api-test/libros

3 Content-Type: application/json

libro_personal

routes.py 2

Response(22ms) X

test_routes.py 1

run.py

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...

ne aftereffects of treatment have left Jeffrey with an inability to be a great student or to walk without limping. His parent
s still worry about him. His older brother, Steven, lost it and took off to Africa to be in a drumming circle and \"find him
elf.\" Jeffrey has a little soul searching to do, too, which begins with his escalating anger at Steven, an old friend who is
keeping something secret, and a girl who is way out of his league but who thinks he's cute.\"

49 \"titulo\": \"After Ever After\",

50 \"url\": \"\",

51 \"usuario_id\": 4

52 },

53 {

54 \"anio_publicacion\": 2008,

55 \"autor\": \"Robert C. Martin\",

56 \"etiquetas\": \"c\u00f3digo, buenas pr\u00e1cticas, clean code\",

57 \"genero\": \"Programaci\u00f3n\",

58 \"id\": 5,

59 \"notas\": \"Un libro muy \u00fatil sobre buenas pr\u00e1cticas\",

60 \"titulo\": \"Clean Code\",

61 \"url\": \"https://ejemplo.com/cleancode\",

62 \"usuario_id\": 1

63 }

64]

PROBLEMS 3

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

python + v

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127.0.0.1 - - [15/May/2025 10:33:17] "GET /api-test/libros HTTP/1.1" 200 -

Prueba END-POINT Read.rest

biblioteca_digital_personal.sqlread-a-row.rest Xupdate.restdelete.rest...

Proyecto-Final > pruebas > read-a-row.rest > GET /api-test/libros/1

1### Obtener un libro por IDhttp://localhost:5000/api-test/libros/1

Send Request

2GET http://localhost:5000/api-test/libros/1

3Content-Type: application/json

libro_personalroutes.py 2Response(23ms) Xtest_routes.py 1run.py

1HTTP/1.1 200 OK

2Server: Werkzeug/3.1.3 Python/3.13.2

3Date: Thu, 15 May 2025 14:37:05 GMT

4Content-Type: application/json

5Content-Length: 185

6Connection: close

7

8{

9 "anio_publicacion": 2011,

10 "autor": "Kugane Maruyama",

11 "etiquetas": "",

12 "genero": "Fantasy",

13 "id": 1,

14 "notas": "",

15 "titulo": "Overlord",

16 "url": "",

17 "usuario_id": 2

18 }

PROBLEMS 3OUTPUTDEBUG CONSOLETERMINALPORTS

python + v [] [] ... ^ X

127.0.0.1 - - [15/May/2025 10:37:05] "GET /api-test/libros/1 HTTP/1.1" 200 -

Prueba END-POINTS Read-a-row.rest

biblioteca_digital_personal.sql

update.rest X

delete.rest

...

Proyecto-Final > pruebas > update.rest > PUT /api-test/libros/1

1

Actualizar un libro

Send Request

2

PUT http://localhost:5000/api-test/libros/1

3

Content-Type: application/json

4

5

{

6

"titulo": "Clean Code - Actualizado",

7

"autor": "Robert C. Martin",

8

"genero": "Desarrollo de Software",

9

"anio_publicacion": 2009,

10

"url": "https://ejemplo.com/cleancode-nuevo",

11

"notas": "Versión revisada del libro",

12

"etiquetas": "software, calidad, clean code"

13

}

14

http://loc.../libros/1

libro_personal

routes.py 2

Response(34ms) X

test_routes.py 1

run.py

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...

1

HTTP/1.1 200 OK

2

Server: Werkzeug/3.1.3 Python/3.13.2

3

Date: Thu, 15 May 2025 14:39:43 GMT

4

Content-Type: application/json

5

Content-Length: 48

6

Connection: close

7

8

✓ {

9

"id": 1,

10

"message": "Libro actualizado"

11

}

PROBLEMS 3

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

python + v

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127.0.0.1 - - [15/May/2025 10:39:43] "PUT /api-test/libros/1 HTTP/1.1" 200 -

📄

biblioteca_digital_personal

🔌 No Environment

🔔

Prueba END-POINTS Update.rest

biblioteca_digital_personal.sql

delete.rest

...

Proyecto-Final > pruebas > delete.rest > DELETE /api-test/libros/1

1 ### Eliminar libro

Send Request

2 DELETE http://localhost:5000/api-test/libros/1

3

libro_personal

routes.py 2

Response(28ms)

test_routes.py 1

run.py

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1 HTTP/1.1 200 OK

2 Server: Werkzeug/3.1.3 Python/3.13.2

3 Date: Thu, 15 May 2025 14:41:57 GMT

4 Content-Type: application/json

5 Content-Length: 46

6 Connection: close

7

8 {

9 "id": 1,

10 "message": "Libro eliminado"

11 }

PROBLEMS 3

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

python +

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127.0.0.1 - - [15/May/2025 10:41:57] "DELETE /api-test/libros/1 HTTP/1.1" 200 -

Prueba END-POINTS Delete.rest

biblioteca_digital_personal.sql

Proyecto-Final > biblioteca_digital_personal.sql > ...
35
36 INSERT INTO roles (name) VALUES ('Admin'), ('Moderador'), ('Lector');
37
38 SHOW TABLES
39
40 SELECT * FROM libro_personal 19ms
41

libro_personal routes.py 2 test_routes.py 1 run.py

Q Search Results

Cost: 37ms < 1 > Total 4

| id | titulo | autor | genero | anio_publicacion | url | notas |
|---------|------------------|--------------------|-------------------|------------------|----------------------------|------------------------------------|
| int(11) | varchar(150) | varchar(100) | varchar(50) | int(11) | varchar(255) | text |
| 2 | test lector | example | none | 9999 | | |
| 3 | Overlord | Kugane Maruyama | Fantasy | 2011 | | For twelve years, the virtual |
| 4 | After Ever After | Jordan Sonnenblick | Realistic Fiction | 2010 | | Jeffrey isn't a little boy with |
| 5 | Clean Code | Robert C. Martin | Programación | 2008 | https://ejemplo.com/cleanc | Un libro muy útil sobre bue código |

PROBLEMS 3 OUTPUT DEBUG CONSOLE TERMINAL PORTS
python

127.0.0.1 - - [15/May/2025 10:41:57] "DELETE /api-test/libros/1 HTTP/1.1" 200 -

Estado final de la base de datos luego de las pruebas END-POINTS