Lab 12 – Django REST framework – Books App

# **REQUIRED SCREEN CAPTURES (12 total)**

Please insert screen captures in place of their corresponding ***<insert your screen capture here>*** placeholder

Make sure your screen capture is **CLEAR** and **READABLE**

## **Verification – Database Table**

## Verifying the creation of the db.sqlite3 database by displaying “.tables” and “.schema …”

**SCREEN CAPTURE # 1**

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## **Verification – books\_book**

## Using sqlite3 display all the entries in books\_book table …

**SCREEN CAPTURE # 2**

***A screen shot of a computer

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## **Python Shell Commands – Create 2 new books [CHUNK1 code results]**

## Using the python shell – create 2 new books persisted in the db.sqlite3 database

**SCREEN CAPTURE # 3**

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## **Python Shell Commands – Serialize & Deserialize the books [CHUNK2 & CHUNK3 code results]**

## Using the python shell – serialize and deserialize the 2 new books

**SCREEN CAPTURE # 4**

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## **Python Shell Commands – Create 3rd new book [CHUNK4 code results]**

## Using the python shell – create 3rd new book persisted in the db.sqlite3 database

**SCREEN CAPTURE # 5**

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## **Verification – Addition of 3 new books to books\_book table**

## Using sqlite3 verify the 3 new books have been added as entries in books\_book table …

**SCREEN CAPTURE # 6**

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## **Verification – Using browser to verify books RESTful API**

## Give the RESTful API /books/api/ and /books/api/<id>/ a try using a browser …

**SCREEN CAPTURE # 7**

( [**http://localhost:8000/books/api/**](http://localhost:8000/books/api/) ) 🡨 all 13 books

***A close-up of a computer screen

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**SCREEN CAPTURE # 8**

( **http://** **localhost:8000/books/api/9/** ) 🡨 book with id=9

***A screenshot of a computer

Description automatically generated***

## **Making HTTP GET request using HTTPie**

## Use HTTPie to get /books/ …

**SCREEN CAPTURE # 9**

(**http GET “:8000/books/api/”**) 🡨 HTTP GET request to API /books/api/

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## **Making HTTP POST request using HTTPie**

## Use HTTPie to issue POST to create a new book …

**SCREEN CAPTURE # 10**

(**http POST “:8000/books/api/” rank=14 title=”The Count …)** 🡨 HTTP POST request to API /books/api/

***A screen shot of a computer

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## **Making HTTP PUT request using HTTPie**

## Use HTTPie to issue PUT to update a book …

**SCREEN CAPTURE # 11**

(**http PUT “:8000/books/api/14/” rank=14 title=”The Count …)** 🡨 HTTP PUT request to API /books/api/14/

***A screen shot of a computer

Description automatically generated***

## **Making HTTP DELETE request using HTTPie**

## Use HTTPie to issue DELETE to remove a book …

**SCREEN CAPTURE # 12**

(**http DELETE “:8000/books/api/14/”**) 🡨 HTTP DELETE request to API /books/api/14/

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Description automatically generated***