Python 3.11 was used

Django was used as ORM

Unfortuanately I didn’t have the time to study the “Django Rest Framework” which is an out of the box solution for restful projects. As a result the code written is from scratch.

In order to run the project you must create a python virtual environment and install the packages located in the requirements file.

The ORM models are located in /book\_collection/models.py

The model that stores the favorite books for each user is created but has no functionality

A unit test example file is included in the project

The application is dockerised, the required files for composing are included

After that you may run the django testserver for the code to be executed

$ ./venv/bin/python ./manage.py runserver

after activating the server you may use the post\_json.py(post data are included in this file) to make the following test requests

1) In order to retrieve all books you make a post request to the following url

http://127.0.0.1:8000/books/book\_retrieve/

2) In order to create a book make a post request to the following url

http://127.0.0.1:8000/books/book\_retrieve/

3) In order to delete a book make a post request to the following url

http://127.0.0.1:8000/books/book\_delete/

4) In order to update a book make a post request to the following url

http://127.0.0.1:8000/books/book\_update/

5) In order to retrieve a book using a filter(author\_key or title), make a post request to the following url. post data are included in post\_json.py

http://127.0.0.1:8000/books/book\_retrieve/

6) In order to fetch books from openlibrary you make a get request to the following url

http://127.0.0.1:8000/books/fetch\_books\_wrap/