Online Bookstore



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Table of Contents

1. Project Description	2
1.1 Assumptions:	2
2. Project Directory	2
3. Maven Structure	3
4. Docker File	3
5. Postman CRUD Operation	4
5.1 LIST all Books (GET Operation)	5
5.2 Search Book (GET Operation)	5
5.3 Add Book (POST Operation)	6
5.4 Update Book (POST Operation)	6
5.5 Delete Book (DELETE Operation)	7
5.6. Check out Books (POST Operation)	8
a) With Discount	8
b) Without Discount	8
6. Junit Test cases	9

1. Project Description

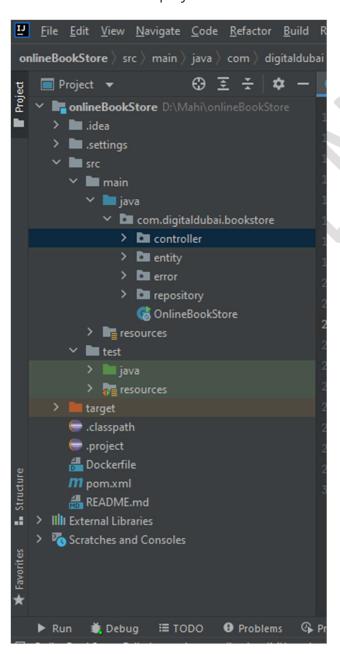
REST API for an online bookstore, where the user can perform the following operations CRUD operations on Books and Checkout operation for single or multiple books which will return the total payable amount.

1.1 Assumptions:

For comic book type on promotion code 0% discount and on Fiction books 20% discount <u>hard coded</u> in code for this assignment This can be configurable in future based on requirement.

2. Project Directory

2.1 A standard Maven project structure.



3. Maven Structure

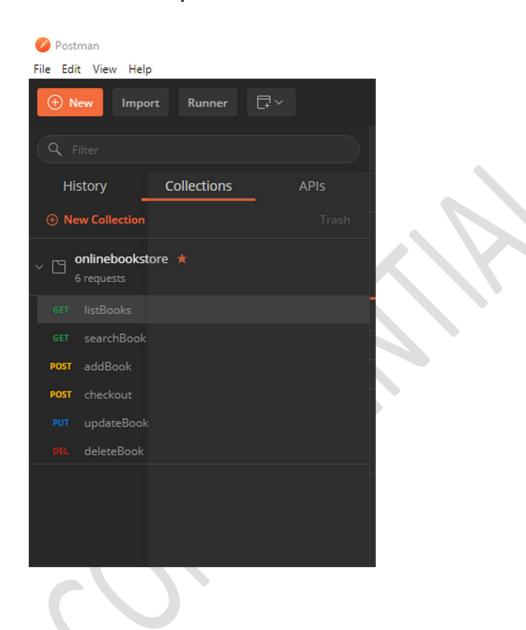
3.1 Project dependencies. Nothing special here, just some Spring Boot dependencies.

4. Docker File

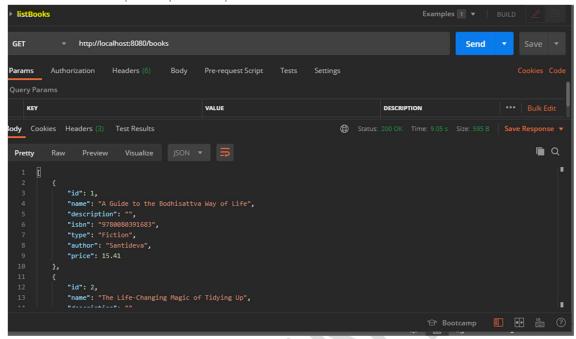
A Dockerfile is a text file, contains all the commands to assemble the docker image.

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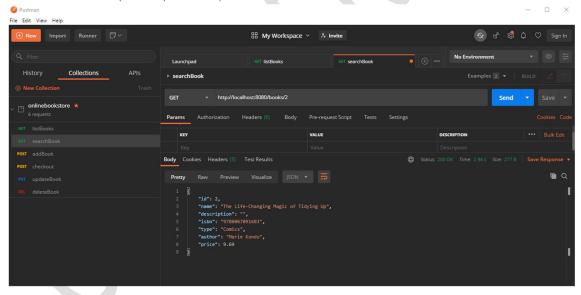
5. Postman CRUD Operation



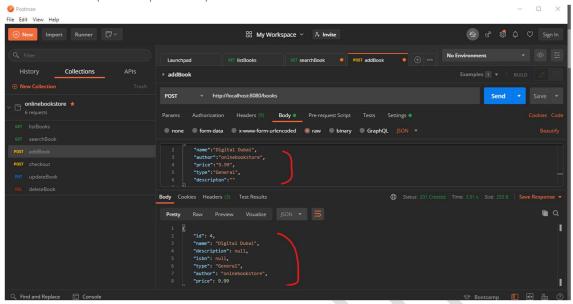
5.1 LIST all Books (GET Operation)



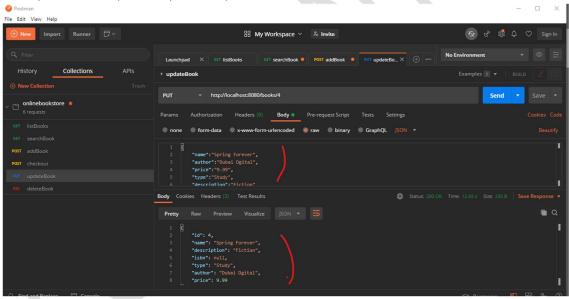
5.2 Search Book (GET Operation)



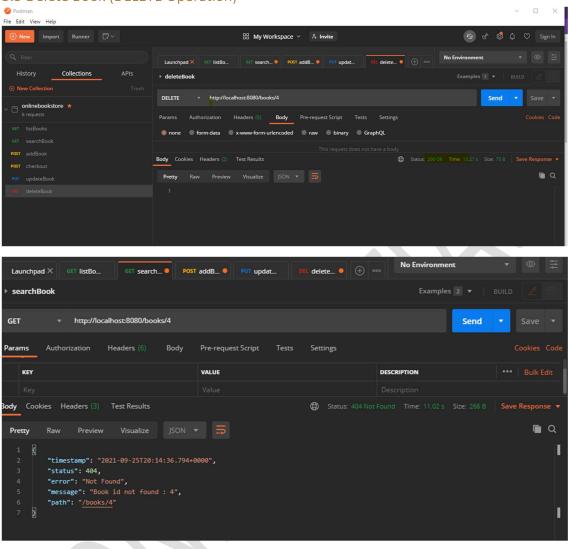
5.3 Add Book (POST Operation)



5.4 Update Book (POST Operation)

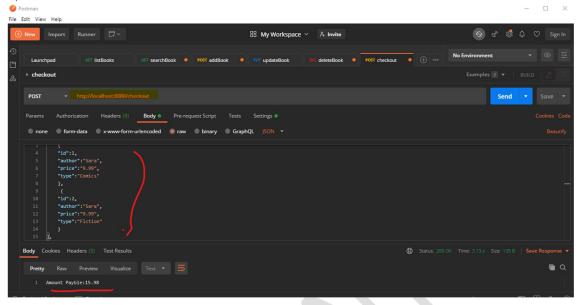


5.5 Delete Book (DELETE Operation)

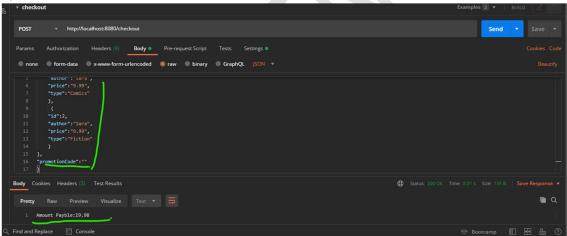


5.6. Check out Books (POST Operation)

a) With Discount



b) Without Discount



6. Junit Test cases

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C:\WINDOWS\system32\cmd.exe
                                                                                                 ×
atic closing at VM shutdown, add ";DB_CLOSE_ON_EXIT=FALSE" to the db URL) [90121-197]
[NFO]
INFO] Results:
INFO]
      Tests run: 16, Failures: 0, Errors: 0, Skipped: 0
INFO]
INFO]
INFO] --- maven-jar-plugin:3.1.1:jar (default-jar) @ onlinebookstore ---
INFO] Building jar: D:\Mahi\onlineBookStore\target\onlinebookstore-1.0.jar
INFO]
INFO] --- spring-boot-maven-plugin:2.1.2.RELEASE:repackage (repackage) @ onlinebookstor
INFO] Replacing main artifact with repackaged archive
INFO]
INFO] --- maven-install-plugin:2.5.2:install (default-install) @ onlinebookstore ---
INFO] Installing D:\Mahi\onlineBookStore\target\onlinebookstore-1.0.jar to C:\Users\raj
a\.m2\repository\org\springframework\boot\onlinebookstore\1.0\onlinebookstore-1.0.jar INFO] Installing D:\Mahi\onlineBookStore\pom.xml to C:\Users\rajha\.m2\repository\org\s
ringframework\boot\onlinebookstore\1.0\onlinebookstore-1.0.pom
INFO] -----
INFO] BUILD SUCCESS
INFO] -----
INFO] Total time: 12
INFO] Total time: 12:06 min
INFO] Finished at: 2021-09-25T23:39:20+05:30
:\Mahi\onlineBookStore>
```