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**Assignment 3:** ISYS637

***A project guide on Fitzory catholic Bookstore***

There are two different projects namely HelloRESTful and SimpleMavenwebapp and one mysql database file. Two different folders are zipped and attached.

To view the output both the project should be downloaded and imported in any IDE supporting java and then run both files. The database table should be imported using stack like xampp, mamp,wamp and both mysql and apache server should be started.

After doing this copy the URL on the browser:

<http://localhost:8899/SimpleMavenWebApp/index.jsp>

which will open a homepage of the bookstore and you can navigate and search book or add book accordingly.

# **Server side: HelloRESTful**

project folder contains all the essential files that are necessary to connect with database and produces webservice in JSON format which is used in another project in client side simple mavenwebapp. There are two main files Book.java and BookDAO.java file inside a package 07planning/hellorestful/Book.java: It contains all the entity of data to get mapped with different by using annotations. It also contains the getter and setter file for the program.

### 07planning/hellorestful/BookDAO.java:

It contains CRUD files which is linked to database for create, read, update and delete of database

### 07planning/hellorestful/SessionUtil.java

It creates instance for session to configure hibernate.cfg.xml file

### Mybook.java:

It contains GET/POST method for the entity of database that produces the json file.

### POM.xml file:

It contains all the dependency with group ID artefact id and version for different functions like mysql, json etc

Hibernate.cfg.xml: It is the main file where JDBC connection is done.

To see if the file is working using RESTful service copy this URL on browser you can see the JSON file for the books:

<http://localhost:8080/HelloRESTful/rest/books>

# **Client side: Mavenwebapp**

We used Hibernate to make persistence database connectivity and used maven tool to manage the project by using the different dependencies from different API’s that we used throughout the project.

Both the maven project should run before rendering it to the browser. And we can search and add new books from this project

Within the src/main/webapp folder there are different JSP file for different pages of the project.This also include css folder and images folder for which designing and images used are included respectively. It also has pom.XMl file that includes dependency

# **Database: Hibernatetutorials**

There is a table named book which is main table used for this project. It contains all the list of books along with the details. We can add and retrieve books from the webpage dynamically from database.