SEMESTER PROJECT

ONLINE BOOKSTORE

A simple project for an online bookstore implementing following basic features :

(Online evaluation for semester project of Java Full-Stack Programming)

1. A simple authentication system
2. Book Inventory
3. Book Purchase
4. Admin Panel
5. Renting Books * [Iteration 2]
6. Payment Gateway * [Iteration 3]

TECHNOLOGY STACK

Front-end   : HTML/CSS/JS
Back-end   : Java [Rest API + Server]
Database   : MySQL
Auth   : Normal * [Iteration 3 - JWT Auth]

TEAM COMPOSITION

1. Aditya Thakur   [Backend]
2. Harsh Srivatsava   [Frontend + Integration]
3. Tanisha Bansal   [Frontend]
4. Shivangi Yadav   [Frontend]

* Iteration Specific Features
** Applicable to all tables

DBMS DESIGN

Table Schemas :

1. USERS

Id	email	password	timestamp
Integer { UUID } **	String (U.C.) [PRIMARY]	String (U.C.) [PRIVATE]	LONG { Epoch Timestamp }

*2. LOGS * [Iteration 3+]*

name	timestamp	email
String [Activity Nature]	LONG { Epoch Timestamp }	String

3. INVENTORY

bookId	name	quantity	rented * [2]
Integer [PRIMARY]	String	Integer	Integer { OPTIONAL }

4. PURCHASED

bookId	timestamp	email	quantity
INTEGER	LONG { Epoch Timestamp }	String	Integer

*5. RENTED * [Iteration 2]*

rented	bookId	Email
TIMESTAMP	Integer	String

* Iteration Specific Features
** Applicable to all tables

Fetch Rented
Book Details

1. Fetch User Activity
2. Track Purchases

RENTED

LOGS

USERS

PURCHASED

Fetch
Purchased
books

Fetch Books
Available

INVENTORY
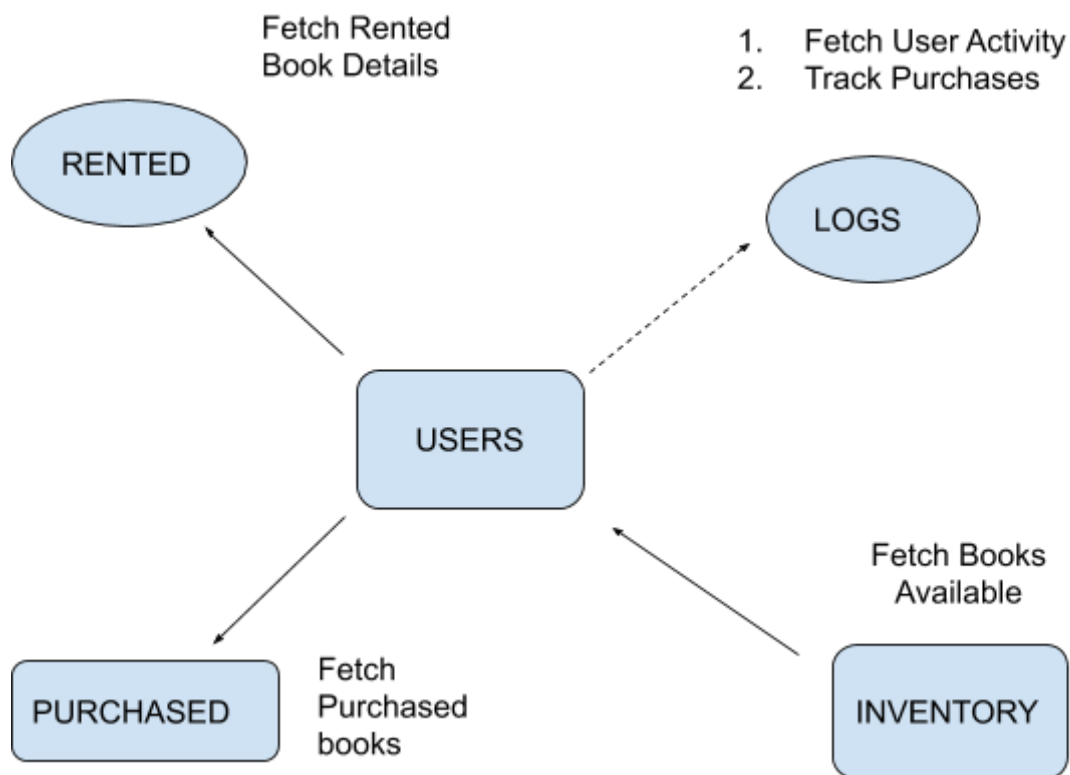
A Simple blueprint to depict the nature of operations to be performed on DBMS Server

Working Project Code :

https://github.com/Accelerator-One/java-online-bookstore
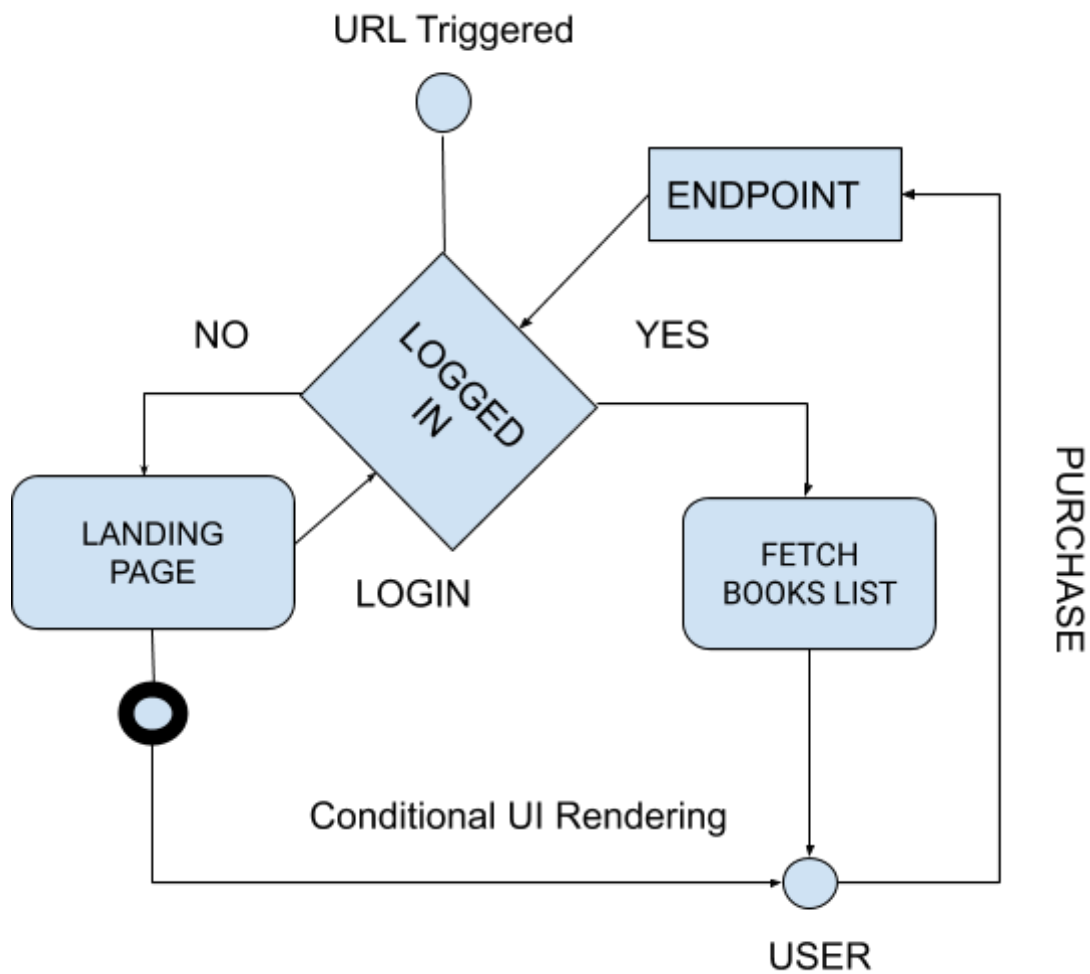
Dependencies :

Check out **README.md** for more details on dependencies and test-cases.

LICENSE :

The project is licensed under GNU General Public License v3.0. All the respective logos and dependencies and trademarks are affiliated to their respective owners and the author is not responsible for their copyright violations in any cases.

* Iteration Specific Features
** Applicable to all tables

IMPLEMENTATION :

URL Triggered

ENDPOINT

NO

LOGGED IN

YES

LANDING PAGE

LOGIN

FETCH BOOKS LIST

PURCHASE

Conditional UI Rendering

USER

REFERENCES :

- https://spring.io/guides
- https://docs.oracle.com/en/java/
- Stack-Overflow (during implementation errors)

* Iteration Specific Features
** Applicable to all tables