

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]

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

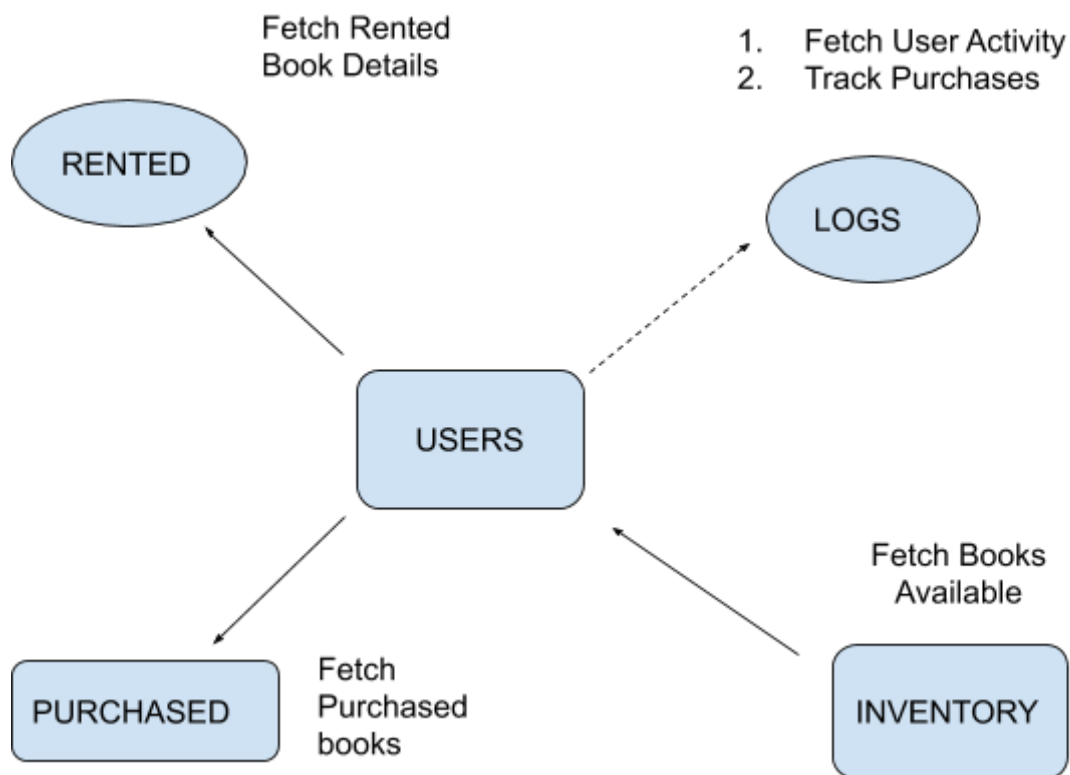
bookId	timestamp	email	quantity
INTEGER	LONG { Epoch Timestamp }	String	Integer

5. RENTED * [Iteration 2]

rented	bookId	Email
TIMESTAMP	Integer	String

* Iteration Specific Features

** Applicable to all tables



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 :

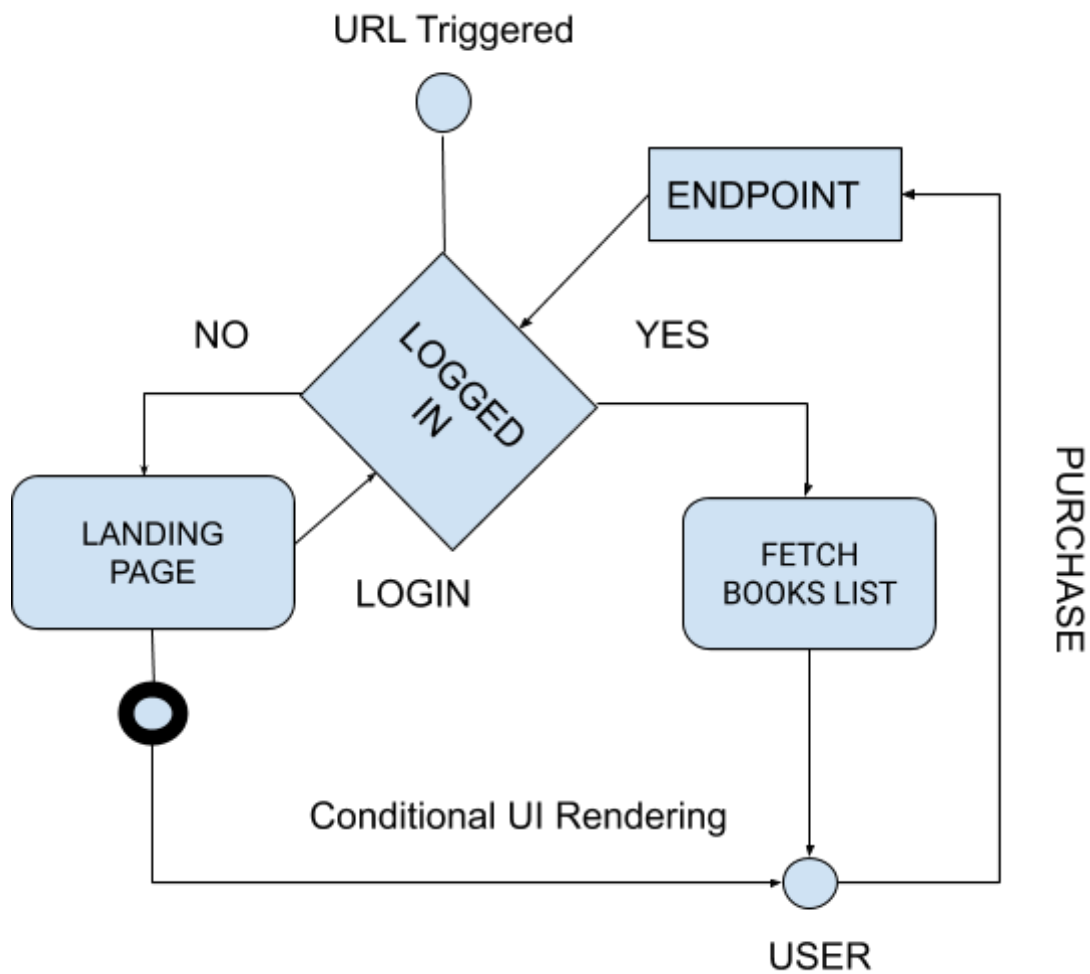
Check out **README.md** for more details on dependencies and test-cases.

LICENSE :

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* Iteration Specific Features
 ** Applicable to all tables

IMPLEMENTATION :



REFERENCES :

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