Mysql -

JDBC –

Web app –

Hibernate ,web services

Spring, Spring Boot

Vendor Specific

JDBC Driver

.jar

J

D

B

C API

Java App

RDBMS, SQL

JDBC – Interfaces

BookDaoInterface

Dbconfig.properties

BookDaoHib

DbConnection

StoreClient

Web UI

Servlets

BookDao – Data access object

Online Book Store Case Study.

Create a java application to simulate online book store.

BookStore has 2 types of actors. admin/customer

Admin can add ,delete, update, view books.

Admin/Customer is validated from database as soon the application starts.

Login details are stored in a table called users.

Users has username, password and role (ADMIN\_ROLE, CUSTOMER\_ROLE)

Admin admin123 ADMIN\_ROLE

Sam sam123 CUSTOMER\_ROLE

Customer table has name, email , phoneNo, username(fk)

Samson,sam@gmail.com,6672777222, sam

Customer after logs, his details are retrieved from Customer tabe, he can choose a book based on isbn and adds to the cart., he can view the cart and when he chooses to check out total bill is calculated and an invoice is shown on the screen with the Books details and current date, time and Customer details like name and phone number.

Steps

1. Create a table users. (add 2 records)
2. Create a table customer (add 1 record)
3. Login Dao where user validation is done
4. CustomerDao that has all customer functionalities