# Online Book Store Case Study. (Part1)

Create a java console application for an online book store case study using the following :

* JDBC API -- Database connection is established using properties file.
  + Create a file db.properties in the project.
  + Add properties
    - Jdbc.driver=com.mysql.jdbc.Driver
    - …………..
  + Read using

FileInputStream fis=new FileInputStream(“db.properties”);

Properties props=new Properties();

fis.load(props);

String jdbcDriver = props.getProperty(“jdbc.driver”);

* + Properties prop=new Properties();
  + Prop.getProperty(…)
* Collections
* Java IO

Create the following functionalities for admin and Customer role.

Admin

1. Admin
   1. Can delete a book based on isbn.
   2. Update the stock of the book based on the isbn.
   3. View all the books in the store as a list. Print the list using Java 8 lamda expn.
   4. bookList.forEach(book->book.getIsbn()……)
   5. Runs a jar that loads records into the datbase after reading from a file.

Eg: create a file records.csv with data

2345,Fourth Habit,Stephen Covey,120.50,200

6567,Over the top,Zigziglar,250.0,100

……

Customer functionalities.

1. Customer can register with minimal details like email which will be the username and password and role is added as Customer.(Create database table customer with email, password and role as fields. Where email is the primary key.
2. Customer signs in with his credentials (username and password)
3. When customer logs in his credentials are validated and all the books in the store are displayed on the console.
   1. Books are retrieved from the database, stored in a List and then displayed.
4. Customer can view the books based on a title pattern
   1. Eg: pattern “cs” displays all the books that has the cs pattern.
5. He can add a book to a Cart that is stored as a Map.