

Inventory Management for Online Book Seller

Group 2

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Frameworks, Libraries and Languages

Lombok : Getter/Setter Shortcut

Spring boot for framework : For the web application

Thymeleaf : Dynamic render of HTML Pages

MessageDigest : Used for creating secure hash with login credentials

CSS : Used to enhance visual html content of the login and inventory pages

Javascript : Used to render the html pages and creates functions between front end and back end

Java : For back end

© SessionService

Ⓜ SessionService()

Ⓜ checkSessionValidity(String) boolean

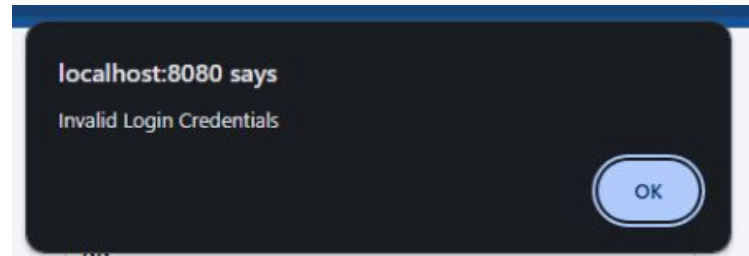
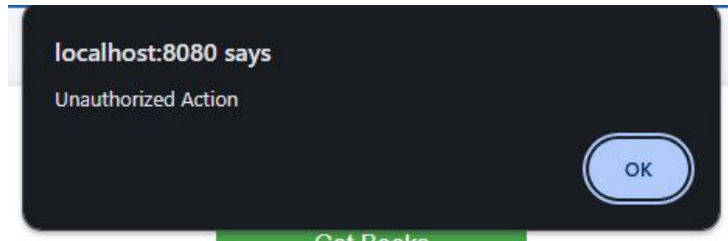
Ⓜ secureHashCreation(String, String) String

Ⓜ getUserId(String) String

Ⓜ createSession(String) String

What we do on the login page and inventory page

1. Who can login ?
2. What happens if user login is authenticated?
3. What happens if user login is not authenticated?
4. What can the each role do on the inventory page ?
5. What happens if you are authorized to see the results of the book button inventory query?
6. What happens if you are not authorized to see the results of the book button inventory query?



1 Task: Retrieve the book inventory (price and title)

One user is authorized to perform the retrieval is the admin

One user is **not** authorized to perform the retrieval is the customer

One is not authenticated demonstrated by the following:

Random user does not exist in the database

Shown by: invalid login credentials, manipulate the session id / hack in an previously existing id

Login

Username:

Password:

Sign in

Inventory

Get Books

```
},  
{  
  "name": "DEF Book",  
  "price": 200  
},  
{  
  "name": "GHI Book",  
  "price": 45  
},  
{  
  "name": "JKL Book",  
  "price": 12  
},  
{  
  "name": "MNO Book",  
  "price": 8000  
}  
]
```

Login

Username:

Password:

Sign in

You Have Been Signed Out. Please Sign In Again