

## BookStore Project Part 2 Writeup

The second part consists of administration rights and providing stats. The only difference in database between part 1 and part 2 is the administration rights. A new column *member\_level* is added to know the admin right of the user. Admin is given added functionality to see the statistics based on orders, books, authors, and user statistics. The admin can also change the data of the bookstore user. In addition to the files in Part 1, new files were added to achieve required functionalities. All the pages have Welcome, ( user name) along with a Logout button. The orders in cart will not be deleted after logging out or until it is check out. Setting up user level environment was the most interesting part of the project. The easiest part was building the panel for admin to use. The difficult part was sending the queries and getting it into the table. The user management process was time consuming too, but it was a good learning experience. Every admin page has a Go back button. Brief description of the file is provided in the table below:

filename	Description
<b>401.jsp</b>	Regular user gets redirected to page when a admin page is accessed.
<b>AddUser.jsp</b>	Regular Signup page. User gets redirected here after submitting required info form signup.html This page contains login form. It also outputs error information such as "Username already exists" or "Username or Password was not entered"
<b>adminSignup.html</b>	This page can only be access via admin user. If a regular user tries to access it, 401 redirection will occur. It is identical to signup.html but it has an extra field which gives admin the ability to select the member level.
<b>OrderStatistics.jsp</b>	" Order History for a user" - This page is responsible for showing the lists of orders made by a user after provided date. It has two text fields and submit button. The two field takes in the username and date respectively.
<b>OrderStatistics2.jsp</b>	Statistics about orders. Contains forms related to four given functionalities.
<b>signup.html</b>	Signup page for regular users. Username and Password field is required.
<b>userManagement.jsp</b>	Responsible for modifying user's information, delete them, or add them. Everything related to user data happens here. It includes a button to add a user. To modify, or delete a user, a text field is provided. After entering the username and clicking submit, the page will show user data along with delete button and modification form. Includes Update and other necessary queries.
<b>User.java</b>	All the signup operations are handled here. Insert queries are executed.

Sample Regular User - username: *dpate85* Pass: *999999*

Sample Admin User - username: *admin* Pass: *test*

There are several other admin and regular accounts as well in the database.

When an **administrator** logs in, the buttons which take the admin to authorized pages are located at the top of book listing. These buttons are hidden for regular users.

Welcome Stan Freezoid <a href="#">Logout</a>					
<a href="#">Order History By User Statistics</a>		<a href="#">Statistics about orders</a>	<a href="#">User Account Modification</a>	<a href="#">Order History of All Users</a>	
Book Cover	Title	Author(s)	Description	Price	Quantity

### Order History By User:

The text field contains placeholder which lets admin know what to enter in the field. Includes all the books ( in cart and checkout ) according to requirement. Date Format: YYYY-MM-DD

Welcome Stan Freezoid [Click here to Logout](#)

[Click Here To Go Back](#)

### Order By User

Username	<input type="text"/>	Date	<input type="text" value="YYYY-MM-DD"/>	<a href="#">Click to Submit</a>
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The list is ordered by most recent time/order. Returns nothing if the user is not found. The field is cleared when submit button is clicked.

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### Order By User

Username	<input type="text" value="MyronR"/>	Date	<input type="text" value="2016-01-01"/>	<a href="#">Click to Submit</a>
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### Showing Results for MyronR after 2016-01-01

Order ID	ISBN	Quantity	Total Price	Time Ordered
28234	9780547572482	1	5.99	2016-04-03 21:01:43.0
13720	9781597801234	8	31.92	2016-04-02 08:07:20.0
17318	9781338099133	2	35.98	2016-04-01 21:43:11.0
12334	517553473123	4	15.96	2016-03-31 04:32:58.0
26602	9780547572482	3	17.97	2016-03-30 03:31:06.0


## Statistics about order:

This page has the four required statistics and includes queries to handle desired operations. The form to enter data and it's corresponding function is shown in the table.

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### Statistics about orders

1) the number of orders and total sales between two dates	<input type="text" value="YYYY-MM-DD"/>	<input type="text" value="YYYY-MM-DD"/>		<a href="#">Click to Submit</a>
2) given a book's title, the sales of that book between two dates	<input type="text" value="Book Title"/>	<input type="text" value="YYYY-MM-DD"/>	<input type="text" value="YYYY-MM-DD"/>	<a href="#">Click to Submit</a>
3) given an author's name, the sales of books from that author between two dates,	<input type="text" value="Author"/>	<input type="text" value="YYYY-MM-DD"/>	<input type="text" value="YYYY-MM-DD"/>	<a href="#">Click to Submit</a>
4) a list of the books ranked by sales, between two dates	<input type="text" value="YYYY-MM-DD"/>	<input type="text" value="YYYY-MM-DD"/>	<input type="text" value="Amount of Money"/> 	<a href="#">Click to Submit</a>

Every field contains a placeholder to let the user know what to enter. The format of entering the date is YYYY-MM-DD. Note: It includes sales and orders for deleted users too.

Example: When *2016-02-20* and *2016-04-03* is entered in Option 1) It will output the total sales(\$) and total ordered received between those dates. 0 is returned when no orders/sales were made. All the results are displayed in same page.

### Statistics about orders

1) the number of orders and total sales between two dates	<input type="text" value="YYYY-MM-DD"/>	<input type="text" value="YYYY-MM-DD"/>		<a href="#">Click to Submit</a>
2) given a book's title, the sales of that book between two dates	<input type="text" value="Book Title"/>	<input type="text" value="YYYY-MM-DD"/>	<input type="text" value="YYYY-MM-DD"/>	<a href="#">Click to Submit</a>
3) given an author's name, the sales of books from that author between two dates,	<input type="text" value="Author"/>	<input type="text" value="YYYY-MM-DD"/>	<input type="text" value="YYYY-MM-DD"/>	<a href="#">Click to Submit</a>
4) a list of the books ranked by sales, between two dates	<input type="text" value="YYYY-MM-DD"/>	<input type="text" value="YYYY-MM-DD"/>	<input type="text" value="Amount of Money"/> 	<a href="#">Click to Submit</a>

### Displaying Results for dates between 2016-02-20 and 2016-04-03

**Total Orders : 53**

**Total Sales: \$3004.39**

The dropdown menu in option 4) has two sort options. “Amount of money” will list the sale based on the amount earned by each book in a decreasing order. And “Number of orders” will list books by highest order it has received.

<b>4) a list of the books ranked by sales, between two dates</b>	<input type="text" value="YYYY-MM-DD"/>	<input type="text" value="YYYY-MM-DD"/>	Number of Orders 	<input type="button" value="Click to Submit"/>
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#### Displaying Results for dates between 2016-03-29 and 2016-04-01

Title	ISBN	Total Orders
Harry Potter and the Cursed Child	9781338099133	5
The Devil in the White City	9780375725609	4
The Great Gatsby	9780743273565	3
All the Light We Cannot See	9781476746586	3
Salt to the Sea	9780399160301	3
Calculus	9781285057095	1
Cryptonomicon	9781597801234	1
Into a Raging Sea: My Life and the Pendleton Rescue	9780991340156	1
The Revenant: A Novel of Revenge	9781250101198	1
The meaning of Liff	517553473123	1
Harry Potter And The Chamber Of Secrets	9780439064873	1
The Man in the High Castle	9780547572482	1
Quarantine	9781597805384	1

For Option 2), 3), similar output is displayed like Option 1) except for the “Displaying....” Text. It outputs the “Displaying Results for (Book Name/AuthorName) between (Date) and (Date)”

**User Modification:** This file includes queries to handle desired operations.

Welcome Stan Freezoid [Click here to Logout](#)

## User Management

Search User (username)	<input type="text" value="username"/>	<input type="button" value="Search"/>
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Admin Sign up Page

Full Name:

Username:

Password:

Address:

Credit Card:

Admin

Register

Click here to go back

Here, Add a User button takes admin to signup page. Note: This signup pages gives admin ability to select member level.

The Regular sign up page is identical to this page except for the drop down menu. “Click here to go back” takes the admin to UserManagement page.

To Delete user or Modify user’s data, enter the username in text field and then click search.

Search User (username)

Search

User Name	Name	Address	Password	Credit Card	Level	
HarveyB	Harvey Birdman	California	123456	1857638290127562	regular	Delete

enter info here and then select desired info to change

✓ Change Name

Change Address

Change Password

Change Credit Card #

Change Member Level(user\_rights)

Submit

The table will show all the information about the searched user. Clicking the delete button will delete the user. Click submit after entering and selecting desired info.

Search User (username)

Search

User Info Modified

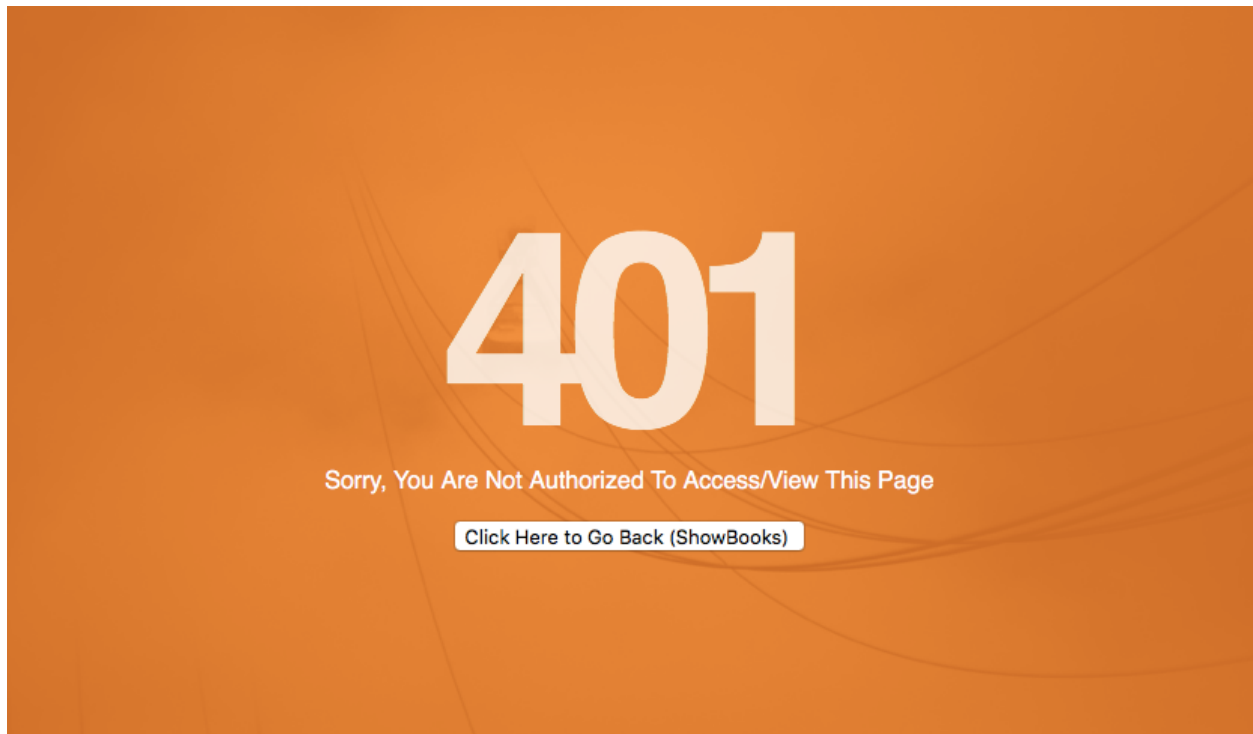
Search User (username)

Search

User Removed

**Order History of All Users:** This page will show all the orders from all the users as required in part 1.

If a *regular user* is trying to access a admin page, the application will redirect to 401.jsp



Clicking Logout in any of the page will take you to logout page.

**You have successfully logged out!**

[Click here to login](#)