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# **Compliance Report**

**for**

# **Bookshop Automation Software**

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# 1. UNIT TESTING

## 1. search\_authors()

Input	Expected Output	Actual Output
Valid name of Author as it is in the database (for e.g. J.K. Rowling)	Result Page showing all the books written by the author	User redirected to a page containing all the books written by the searched author.
Only the First characters of the author's name apart from the surname followed by the author's surname (for e.g. J Rowling)	Result Page showing all the books written by the author	User successfully redirected to a page containing all the books written by the searched author.
Valid name of Author as it is in the database with and without a wildcard character. (for e.g. jk rowling)	Result Page showing all the books written by the author	User successfully redirected to a page containing all the books written by the searched author.

## 2. search\_books()

Input	Expected Output	Actual Output
Valid name of book title as it is in the database	Result Page showing the book searched for.	User redirected to a page containing all the book whose title has been searched for.
Valid book name having a wildcard character like "+" in its book title	Result Page showing the book searched for.	User redirected to a page containing all the book whose title has been searched for.
Valid book name split with a wild card character as a delimiter and the subsequences passed as separate words in different combinations. For e.g.- (spider-man input as spider man and spiderman)	Result Page showing the book searched for.	User redirected to a page containing all the book whose title has been searched for.

## 3. book\_details()

Input	Expected Output	Actual Output
1. Details button on a book card is clicked	Redirected to the details page of the corresponding book.	Successfully redirects to the book's details page for getting further information.

#### 4. request\_book( )

Input	Expected Output	Actual Output
1. Number of books requested is greater than the available.	Success message received on the UI by the user and the corresponding quantity request is received by the manager.	The quantity of the corresponding book requested is added to the database and visible to the Manager.
2. Quantity input field is left empty.	Error message regarding no input is received by the user on the UI.	Error message displayed on the screen and no entry of the requested book is added to the database.
3. Quantity requested is less equal to the available stock.	An error message is received pertaining to fulfillment of the demand on the basis of current stock.	An error message is received by the user and no data entry is added to the database.

#### 5. send\_procure\_book( )

Input	Expected Output	Actual Output
Genuine Book details after failing to find your desired book. (Login required for the user)	Request sent to manager with the correct book and user details.	Success message received on the UI and a corresponding entry of the requested book in the database visible to the manager.

#### 6. cart( )

Input	Expected Output	Actual Output
User clicks on the cart icon. a) User is logged in. b) User is not logged in.	a) The user is shown his own cart.  1) If there are books already added to the cart, the cart displays a brief detail about the books added. 2) If nothing is added to cart, an empty cart is displayed with a message. b) If the user is not logged in, he is redirected to the login page.	a) The user is shown his own cart.  1) The cart displays the books added before. 2) If nothing is added to cart, an empty cart is displayed with a message. b) If the user is not logged in, he is redirected to the login page.

## 7. add\_to\_cart( )

Input	Expected Output	Actual Output
User is not logged in, but clicks on add to cart.	Cart is not created for the user, and the user is directed to login page.	The books are not added to cart regardless of the quantity order and is redirected to the login page.
A new book is added to cart a) Quantity entered is less than the available stock. b) Quantity entered is more than the available stock.	a) A new entry for the corresponding book is created in the cart and a success message is shown. b) The book is not added to the cart since the quantity requested is greater than what the bookstore could serve.	a) A cart for the user is created in the database if not created already and the books with the corresponding entry are added to the cart. b) The request is not fulfilled and the book isn't added to the cart since the asked quantity is greater than what is available and an error message is displayed.
A pre-added book is added to the cart	The quantity of the book is updated in the cart if the current cart quantity and the newly added quantity is less than the stock available, otherwise an error is displayed.	The quantity corresponding to the book added earlier is added if the added quantity is within the bounds, otherwise no change is made in the database.

## 8. remove\_from\_cart( )

Input	Expected Output	Actual Output
On clicking cart, the user clicks on remove button in front of a specific book.	The corresponding book is removed from the cart and the cart is updated.	The corresponding book with its details are deleted from the database corresponding to the cart of the user and the cart displayed is updated.

## 9. send\_email()

Input	Expected Output	Actual Output
In the cart of the user, the user clicks on send email	A detailed listing of the books in the cart is sent to the user on the email through which he had logged in.	An email is received on to the user's end at the email used for logging in.

## 10. proceed\_to\_buy()

Input	Expected Output	Actual Output
User not logged in	Redirected to login page	Successfully redirects to login page so that the user can login in before proceeding
HTTP POST request with valid buyer's email, confirmation checkbox checked, and items in the cart.	Proceed with the purchase, update inventory, send a bill email, delete the cart, and log out the user and delete the account.	Purchase completed, bill email sent, cart deleted, and user logged out and account deleted.
POST request with an empty cart	Error message displayed, and redirect to the cart	Error message displayed indicating the cart is empty, and redirected to the cart.
POST request without the confirmation checkbox checked	Error message displayed, and redirect to the cart	Error message displayed indicating the confirmation checkbox is not checked, and redirected to the cart.
POST request with an email different from the user's registered email	Error message displayed, and redirect to the cart	Error message displayed indicating the entered email does not match the user's registered email, and redirected to the cart

## 11. login\_view()

Input	Expected Output	Actual Output
Valid User Email with a next URL	Redirected to next page with the user authenticated and logged in.	User successfully logged in and redirected to the desired page
Valid User Email without a next URL	Redirect to the search page with the user logged in.	User successfully logged in and redirected to the search page
Invalid User Email	Error message indicating email not present and redirecting to register page for creating an account.	Error message displayed and redirected to the registration page

## 12. register\_view()

Input	Expected Output	Actual Output
New User registration:	New user created, logged in	Successfully created user,

Register request with unique username and email	and redirected to the search page	logged in and redirected to the search page
User with provided username or email which already exists	Error message displayed	Error message displayed indicating username or email already exists. Stays on the register page.

### 13. logout\_view()

Input	Expected Output	Actual Output
User is logged in and sends a logout request	User is logged out, cookie is deleted, and redirected to the home page	User successfully logged out, cookie deleted, and redirected to the home page

### 14. revenue\_graph()

Input	Expected Output	Actual Output
Manager clicks on Sales model	Result page having a plot of total revenue till date v/s date	Manager is shown a result page having a plot of total revenue v/s date.
Manager filters the sales by selecting from date and to date and then clicks on search.	Result Page having a plot of total revenue v/s time for the time interval searched for.	Manager shown a result Page having a plot of total revenue v/s time for the time interval searched for.
Manger clicks on reset	Result page having a plot of total revenue till date v/s date	Manager shown a result page having a plot of total revenue v/s date
Manager selects a book under the by book section and adds a date filter	Result page having a plot of total revenue for the selected book v/s time for the time interval searched.	Manager shown a Result page having a plot of total revenue for the selected book v/s time for the time interval searched.