**Test Cases for Book Trading Platform**

## Content

Table of Contents

[Content 2](#_Toc449002702)

[1. Test Information 5](#_Toc449002703)

[Test type 5](#_Toc449002704)

[System Under Test 5](#_Toc449002705)

[2. Test Summary 5](#_Toc449002706)

[Results 5](#_Toc449002708)

[3. Test Cases 6](#_Toc449002709)

[**3.1. Login Test Cases** 6](#_Toc449002711)

[TC\_LOG\_01 Registered Memeber Can Successfully Login with valid credentials 6](#_Toc449002712)

[TC\_LOG\_02 Error Message Is Displayed If Invalid Password Is Submitted 6](#_Toc449002713)

[TC\_LOG\_03 Error Message Is Displayed If Invalid Username Is Submitted 6](#_Toc449002714)

[TC\_LOG\_04 Error Message Is Displayed If Invalid Credentials Are Submitted 6](#_Toc449002715)

[TC\_LOG\_05 Error Message Is Displayed If Valid Username and Empty Password Are Submitted 7](#_Toc449002716)

[TC\_LOG\_06 Login Form Client Side Validation – Cross-Site Scripting (XSS) 7](#_Toc449002717)

[TC\_LOG\_07 Login Form Server Side Validation – Cross-Site Scripting (XSS) 7](#_Toc449002718)

[TC\_LOG\_08 Login as administrator with valid credentials 8](#_Toc449002719)

[**3.2. Advance Search Test Cases** 8](#_Toc449002720)

[TC\_ASCH\_01 Advance Search by Category name “Database” 8](#_Toc449002721)

[TC\_ASCH\_02 Advance Searching by Price more than positive float 9](#_Toc449002722)

[TC\_ASCH\_03 Advance Searching by title 9](#_Toc449002723)

[**3.3. Search Test Case** 10](#_Toc449002724)

[TC\_SCH\_01 Search by title in All categories 10](#_Toc449002725)

[**3.4. Shopping Cart Test Cases** 10](#_Toc449002726)

[TC\_SHC \_01 Add to shopping cart - valid quantity 10](#_Toc449002727)

[TC\_SHC \_01 Update shopping cart 11](#_Toc449002728)

[Duplicate card types 11](#_Toc449002729)

[Adminitrator functions – sort user orders 12](#_Toc449002730)

[Add to shopping cart 13](#_Toc449002731)

[Admcard numberinistrator function – insert new member with invalid phone credit card number 13](#_Toc449002732)

[Adminitrator functions – add card type 14](#_Toc449002733)

[Book rating 15](#_Toc449002734)

[Adminitrator functions – searching throught user orders 15](#_Toc449002735)

[Adminitrator functions – updating user orders 16](#_Toc449002736)

[Adminitrator functions – delete user order 16](#_Toc449002737)

[Add to shopping cart - sql injection 17](#_Toc449002738)

[Adminitrator functions – insert new member 18](#_Toc449002739)

[Advance Searching – price 19](#_Toc449002740)

[Adminitrator functions – delete member 19](#_Toc449002741)

[Adminitrator functions – delete member 20](#_Toc449002742)

[Adminitrator functions – add new book 20](#_Toc449002743)

[Adminitrator functions – update book 21](#_Toc449002744)

[Adminitrator functions – update editorial 22](#_Toc449002745)

[Adminitrator functions – search book 23](#_Toc449002746)

[Adminitrator functions – update category 23](#_Toc449002747)

[Adminitrator functions – delete category 24](#_Toc449002748)

[Update shopping cart 25](#_Toc449002749)

[Add to shopping cart a book 25](#_Toc449002750)

[Adminitrator functions – search for member 26](#_Toc449002751)

[Adminitrator functions – add editorial 27](#_Toc449002752)

[Adminitrator functions – delete book 27](#_Toc449002753)

[Adminitrator functions – delete editorial 28](#_Toc449002754)

[Adminitrator functions – add editorial category 29](#_Toc449002755)

[Adminitrator functions – update editorial category 29](#_Toc449002756)

[Adminitrator functions – delete editorial category 30](#_Toc449002757)

[Advance Searching – author 30](#_Toc449002758)

[Adminitrator functions – update card type 31](#_Toc449002759)

[Adminitrator functions – delete card type 32](#_Toc449002760)

[Logout 32](#_Toc449002761)

[Update admin profile 32](#_Toc449002762)

[Traceability matrix 33](#_Toc449002763)

## 1. Test Information

# Test type

Functional Test

# System Under Test

System name: Book Trading Platform

Version: 1.0

## 2. Test Summary



# Results

Total number of test cases: **44**

Total number of test cases passed: **25**

Total number of test cases failed: **19**

Total number of bugs found: **19**

## 3. Test Cases



# 3.1. Login Test Cases

3.1.1. Positive Login Test Cases

# TC\_LOG\_01 Successful Login

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | TC\_LOG\_01 | |
| **Test Case Name** | Successful Login | |
| **Pre-condition** | The member must be registered and navigated to SignIn page | |
| **Test Step ID** | **Test Steps Description** | **Expected Results** |
| 1 | Input valid loggin credentials and click “Login” button | Redirect to the member’s welcome page. |
| 2 | Verify member displayed name on Welcome member page | Member name is correctly associated with login credentials |

# TC\_LOG\_02 Error Message Is Displayed If Invalid Password Is Submitted

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | TC\_LOG\_02 | |
| **Test Case Name** | Error Message Is Displayed If an Invalid Password is Submitted | |
| **Pre-condition** | The member must be registered and navigated to SignIn page | |
| **Test Step ID** | **Test Steps Description** | **Expected Results** |
| 1 | Input valid username and invalid password, click “Login” button | Expect to be view Error message “Login or Password is incorrect.” |

# TC\_LOG\_03 Error Message Is Displayed If Invalid Username Is Submitted

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | TC\_LOG\_03 | |
| **Test Case Name** | Error Message Is Displayed If an Invalid Username is Submitted | |
| **Pre-condition** | The member must be registered and navigated to SignIn page | |
| **Test Step ID** | **Test Steps Description** | **Expected Results** |
| 1 | Input invalid username and valid password, click “Login” button | Expect to be view Error message “Login or Password is incorrect. |

# TC\_LOG\_04 Error Message Is Displayed If Invalid Credentials Are Submitted

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | TC\_LOG\_04 | |
| **Test Case Name** | Error Message Is Displayed If Invalid Credentials Are Submitted | |
| **Pre-condition** | The member must be registered and navigated to SignIn page | |
| **Test Step ID** | **Test Steps Description** | **Expected Results** |
| 1 | Input invalid username and invalid password, click “Login” button | Expect to be view Error message “Login or Password is incorrect.” |

# TC\_LOG\_05 Error Message Is Displayed If Valid Username and Empty Password Are Submitted

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | TC\_LOG\_05 | |
| **Test Case Name** | Error Message Is Displayed If a Valid Username and Empty Password are Submitted | |
| **Pre-condition** | The member must be registered and navigated to SignIn page | |
| **Test Step ID** | **Test Steps Description** | **Expected Results** |
| 1 | Input invalid username and empty password, click “Login” button | Expect to be view Error message “Login or Password is incorrect.” |

# TC\_LOG\_06 Login Form Client Side Validation – Cross-Site Scripting (XSS)

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | TC\_LOG\_06 | |
| **Test Case Name** | Login Form Client Side Validation – Cross-Site Scripting (XSS) | |
| **Pre-condition** | The member must be registered and navigated to SignIn page | |
| **Test Step ID** | **Test Steps Description** | **Expected Results** |
| 1 | Input <script>alert(‘XSS')</script>in username field, click “Login” button | Expect to be view Error message “Login or Password is incorrect.” |

# TC\_LOG\_07 Login Form Server Side Validation – Cross-Site Scripting (XSS)

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | TC\_LOG\_07 | |
| **Test Case Name** | Login Form Server Side Validation – Cross-Site Scripting (XSS) | |
| **Pre-condition** | The member must be registered and navigated to SignIn page | |
| **Test Step ID** | **Test Steps Description** | **Expected Results** |
| 1 | Input valid loggin credentials | Successful form submission |
| 2 | Intersept the request and modify value parameters – username with script <script>alert(‘XSS')</script> and send to Server | Server denies the invalid parameters and returns Server Error Response |

# TC\_LOG\_08 Login as administrator with valid credentials

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | TC\_LOG\_08 | |
| **Description** | Login as administrator with valid credentials | |
| **Pre-conditions** | The admin account must be set up and navigated to SignIn page | |
| **Test Step ID** | **Test Step Description** | **Expected Result** |
| 1 | Input valid Login and Password, click “Login” button | Redirect to the Administration Menu page. |

# 3.2. Advance Search Test Cases

# TC\_ASCH\_01 Advance Search by Category name “Database”

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | TC\_ASCH\_01 | |
| **Description** | Advance Search Functionality by Category name “Database” | |
| **Pre-conditions** | User is Navigated to Home page | |
| **Test Step ID** | **Test Step Description** | **Expected Result** |
| 1 | click “Advance Search” link | Redirect to Advance Search page. |
| 2 | Select the caregory name “database” from drop-down menu | Expect to be possible to select category |
| 3 | Click “Search” button | Redirect to Search results with filtered and displayed 6 books under the category name “Database”, items found: 6 |
| 4 | Verify the category name “Database” in the results list | Expect the category name of filtred books to be the same as selcted one in the category field. |

# TC\_ASCH\_02 Advance Searching by Price more than positive float

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | TC\_ASCH\_02 | |
| **Description** | Advance Searching by Price more than positive float | |
| **Pre-conditions** | User is Navigated to Home page | |
| **Test Step ID** | **Test Step Description** | **Expected Result** |
| 1 | Click “Advance Search” link | Redirect to Advance Search page. |
| 2 | Select the caregory name “Programming” from drop-down menu | Expect to be possible to select category |
| 3 | Enter price more than 40.00 | Expect to be possible to enter values |
| 4 | Click “Search” button | Filtered and displayed 3 books with price < = 40.00 under the category name “Programming”, items found: 3 |
| 5 | Verify the price is <=40.00 | Expect to filtered price range results from min 40.00 to max 1000000000000.00 |

# TC\_ASCH\_03 Advance Searching by title

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | TC\_ASCH\_03 | |
| **Description** | Tests the advanced serch funtionality | |
| **Pre-conditions** | User is Navigated to Home page | |
| **Test Step ID** | **Test Step Description** | **Expected Result** |
| 1 | Click “Advance Search” link | Redirect to Advance Search page. |
| 2 | Select the caregory name “Database” from drop-down menu | Expect to be possible to select category |
| 3 | Enter title name | Expect to be possible to enter title name |
| 4 | Click button search | Expect to be be redirected to page with the searching results |
| 5 | Verify the title of the book and the category | Expect to be the same as we entered by category |
| **Input** | Title: Beginning ASP Databases  Category:{All,Databases, HTML & Web design , Programming} | |
| **Test verdict** | The test failed | |

#### *Comments*:

The test fails - the system never displays results for categories different from “Programming” and title of a book from that different category.

# 3.3. Search Test Case

# TC\_SCH\_01 Search by title in All categories

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | TC\_SCH\_01 | |
| **Description** | Search by title in All categories | |
| **Pre-conditions** | User is Navigated to Home page, title name should be existed in the database | |
| **Test Step ID** | **Test Step Description** | **Expected Result** |
| 1 | Select caregory name “All” from Search | Expect to be possible to select category |
| 2 | Enter titile name “MySQL and mSQL” | Expect to be possible to enter title |
| 3 | Click “Search” button | Redirect to Search results page with filtered and displayed 1 book under the category name “Database”, items found: 1 |
| 4 | Verify the title of the book in the results list | Expect to be the same we enter in the title field |
| 5 | Verify the category of the book in the results list | Expect to be Database in the category field |

# 3.4. Shopping Cart Test Cases

# TC\_SHC \_01 Add to shopping cart - valid quantity

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | TC\_SHC \_01 | |
| **Description** | Tests the adding to the shoppig cart quantity | |
| **Pre-conditions** | User is Logged In | |
| **Test Step ID** | **Test Step Description** | **Expected Result** |
| 1 | Click on “MySQL & PHP From Scratch” | Expect the system to open the book’s profile with detail information |
| 2 | Verify that the book profile is for the choosen book | Expect to be correct profile |
| 3 | Enter number in quantity field | Expect to be posible to enter a number |
| 4 | Click on the “Add to shopping cart” button | Expect to be redirected to the logged user shopping cart page |
| 5 | Verify that the last book in the list is that you just added | Expect to be the same book |
| 6 | Verify that the number for quantity is that you entered before | Expect to be the same number |
| **Input** | Number {1, 3, 4…} | |
| **Test verdict** | The test failed | |

#### *Comments*:

The system displays wrong quantity number. For example if you enter 3 for quantity it will always display 2 on the shopping cart page.

# TC\_SHC \_01 Update shopping cart

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | TC\_SHC \_01 | |
| **Description** | Tests the update shopping cart | |
| **Pre-conditions** | User is Logged In | |
| **Test Step ID** | **Test Step Description** | **Expected Result** |
| 1 | A user with administrative or ordenary rights should login to the system | Expect to to be a correct user |
| 2 | Click on the “Details” link | Expect to visit the update panel |
| 3 | Change the quantity of the order | Expect to be possible to enter values |
| 4 | Click on the “Update”button | Expect to go back to shopping cart page and the quantity to be updated with the quantity you entered |
| **Input** | Number: {1,2,3,4,….} | |
| **Test verdict** | The test passed | |

# Duplicate card types

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | TC\_07 | |
| **Description** | Tests the admin functionality to duplicate card type | |
| **Applicable for** | Chrome(latest version), Opera(latest version), Firefox | |
| **Test Step ID** | **Test Step Description** | **Expected Result** |
| 1 | A user with administrative rights should login to the system | Expect to to be a correct user |
| 2 | Click on the “Adminitration” menu | Expect to visit the adminitration panel |
| 3 | Click on “Card types” | Expect to see a list with all card types |
| 4 | Click on the “Insert” link | Expect to see an panel where you could add card type |
| 5 | Enter a an existing card type name | Expect to not be able to enter data |
| 5 | Click on the “Insert” button | Expect the cart type to be added to the list of card types |
| **Input** | Name: Visa | |
| **Test verdict** | The test failed. | |

#### *Comments*:

The test failed because we already have a such card type.

# Adminitrator functions – sort user orders

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | TC\_08 | |
| **Description** | Tests the sorting user orders | |
| **Applicable for** | Chrome(latest version), Opera(latest version), Firefox | |
| **Test Step ID** | **Test Step Description** | **Expected Result** |
| 1 | A user with administrative rights should login to the system | Expect to to be a correct user |
| 2 | Click on the “Adminitration” menu | Expect to visit the adminitration panel |
| 3 | Click on “Orders” | Expect to see a list with all orders |
| 4 | Click on the “Item”, “Member” or “Quantity” link | Expect the system to sort in alphabetical order or from the smallest number the list of orders |
| 5 | Click on the “Item”, “Member” or “Quantity” link again | Expect the system to sort in reverse alphabetical order or from the biggest number the list of orders |
| **Test verdict** | The test passed | |

# Add to shopping cart

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | TC\_09 | |
| **Description** | Tests the adding to the shoppig cart function | |
| **Applicable for** | Chrome(latest version), Opera(latest version), Firefox | |
| **Test Step ID** | **Test Step Description** | **Expected Result** |
| 1 | Click on a book logo | Expect the system to open the book’s profile with detail information |
| 2 | Verify that the book profile is for the choosen book | Expect to be correct profile |
| 3 | Enter symbol in quantity field |  |
| 4 | Click on the “Add to shopping cart” button | Expect not to be redirected to the logged user shopping cart page . |
| **Input** | symbols: {‘ , = , - , e.t} | |
| **Test verdict** | The test failed. | |

#### *Comments*:

The test failed because causing an internal server error.

# Admcard numberinistrator function – insert new member with invalid phone credit card number

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | TC\_13 | |
| **Description** | Tests the admin functionality to insert new members | |
| **Applicable for** | Chrome(latest version), Opera(latest version), Firefox | |
| **Test Step ID** | **Test Step Description** | **Expected Result** |
| 1 | A user with administrative rights should login to the system | Expect to to be a correct user |
| 2 | Click on the “Adminitration” menu | Expect to visit the adminitration panel |
| 3 | Click on “Members” | Expect to see a list with all memers |
| 4 | Click on the insert link | Expect to open the inserting new user panel |
| 5 | Enter a login name | Expect to be able to enter data |
| 6 | Enter a password | Expect to be able to enter data |
| 7 | Select level | Expect to be able to select data |
| 8 | Enter First Name | Expect to be able to enter data |
| 9 | Enter Last Name | Expect to be able to enter data |
| 10 | Enter Email | Expect to be able to enter data |
| 11 | Enter phone number using symbols(optional) | Expect to be able to enter data |
| 12 | Enter address(optional) | Expect to be able to enter data |
| 13 | Enter note(optional) | Expect to be able to enter data |
| 14 | Select type of credit cart – use sybols as long as numbers(optional) | Expect to be able to enter data |
| 15 | Enter credit cart number(optional) | Expect to be able to enter data |
| 16 | Click on “insert” button | Expect the system to display an error of wrong phone number and credit cart number |
| **Input** | Login: mon  Password: doli  Level: adminitrator  Email: [MonDoli@abv.bg](mailto:MonDoli@abv.bg)  Phone: 2ki4  Credit cart number: os43a | |
| **Test verdict** | The test failed | |

#### Comment:

The system accepts illigal data and doesn’t give any error message and just adds the member with the wrong data.

# Adminitrator functions – add card type

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | TC\_14 | |
| **Description** | Tests the admin functionality to add card type | |
| **Applicable for** | Chrome(latest version), Opera(latest version), Firefox | |
| **Test Step ID** | **Test Step Description** | **Expected Result** |
| 1 | A user with administrative rights should login to the system | Expect to to be a correct user |
| 2 | Click on the “Adminitration” menu | Expect to visit the adminitration panel |
| 3 | Click on “Card types” | Expect to see a list with all card types |
| 4 | Click on the “Insert” link | Expect to see an panel where you could add card type |
| 5 | Enter card type name | Expect to be able to enter data |
| 5 | Click on the “Insert” button | Expect the cart type to be added to the list of card types |
| **Input** | Name: Electron | |
| **Test verdict** | The test passed | |

# Book rating

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | TC\_16 | |
| **Description** | Tests the advanced serch funtionality | |
| **Applicable for** | Chrome(latest version), Opera(latest version), Firefox | |
| **Test Step ID** | **Test Step Description** | **Expected Result** |
| 1 | Click on a book logo | Expect to open book details page |
| 2 | Select rating | Expect to be possible to select rating |
| 3 | Click on vote button | To see how the rating of the book is changed |
| **Input** | Rating:{Deficient, Regular, Good, Very Good, Excellent} | |
| **Test verdict** | The test failed | |

#### *Comments*:

The test fails – the system displays a broken image, instead of book’s rating.

# Adminitrator functions – searching throught user orders

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | TC\_17 | |
| **Description** | Tests the searching throught user orders | |
| **Applicable for** | Chrome(latest version), Opera(latest version), Firefox | |
| **Test Step ID** | **Test Step Description** | **Expected Result** |
| 1 | A user with administrative rights should login to the system | Expect to to be a correct user |
| 2 | Click on the “Adminitration” menu | Expect to visit the adminitration panel |
| 3 | Click on “Orders” | Expect to see a list with all orders |
| 4 | Select a book title from the drop-down menu |  |
| 5 | Select a name of user |  |
| 6 | Click the button “Search” | Expect to see if the user you have selected has ordered the selected book |
| **Test verdict** | The test failed | |

#### Comments:

The test fails – the system allways diplays a list for the user “ivan”.

# Adminitrator functions – updating user orders

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | TC\_18 | |
| **Description** | Tests the editting user orders | |
| **Applicable for** | Chrome(latest version), Opera(latest version), Firefox | |
| **Initial Conditions** | Equipment is set up as per Equipment Setup section. | |
| **Test Step ID** | **Test Step Description** | **Expected Result** |
| 1 | A user with administrative rights should login to the system | Expect to to be a correct user |
| 2 | Click on the “Adminitration” menu | Expect to visit the adminitration panel |
| 3 | Click on “Orders” | Expect to see a list with all orders |
| 4 | Click on the “Edit” link | Expect to open edit panel for the order |
| 5 | Change member name | Expect to be able to change data |
| 6 | Change item name | Expect to be able to change data |
| 7 | Change quantity | Expect to be able to change data |
| 6 | Click the button “Update” | Expect to go back to the list of all orders and the order to be updated with the new data |
| **Test verdict** | The test passed | |

# Adminitrator functions – delete user order

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | TC\_19 | |
| **Description** | Tests the editting user orders | |
| **Applicable for** | Chrome(latest version), Opera(latest version), Firefox | |
| **Test Step ID** | **Test Step Description** | **Expected Result** |
| 1 | A user with administrative rights should login to the system | Expect to to be a correct user |
| 2 | Click on the “Adminitration” menu | Expect to visit the adminitration panel |
| 3 | Click on “Orders” | Expect to see a list with all orders |
| 4 | Click on the “Edit” link | Expect to open edit panel for the order |
| 5 | You could change member name | Expect to be able to change data |
| 6 | You could change item name | Expect to be able to change data |
| 6 | Click the button “Delete” | Expect to go back to the list of all orders and the order you just editted to be deleted from the list. If you have changed member name ot item the system suppose to check if there is such order and delete it. |
| **Test verdict** | The test passed | |

# Add to shopping cart - sql injection

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | TC\_20 | |
| **Description** | Tests the adding to the shoppig cart function | |
| **Applicable for** | Chrome(latest version), Opera(latest version), Firefox | |
| **Test Step ID** | **Test Step Description** | **Expected Result** |
| 1 | Click on a book logo | Expect the system to open the books profile with detail information |
| 2 | Verify that the book profile is for the choosen book | Expect to be correct profile |
| 3 | Enter number in quantity field with a carrecter | Expect to be posible to enter a number |
| 4 | Click on the “Add to shopping cart” button | Expect not to be redirected to the logged user shopping cart page |
| **Input** | Number {1, 2, 3, 4…} and symbols: {‘ , = , - , e.t} | |
| **Test verdict** | The test passed | |
| **Input** | Quantity: +1 | |
| **Test verdict** | The test failed | |

#### Comments:

The test failes for the “+1” and the system adds the book to the shopping cart, but with quantity 2.

# Adminitrator functions – insert new member

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | TC\_21 | |
| **Description** | Tests the admin functionality to insert new members | |
| **Applicable for** | Chrome(latest version), Opera(latest version), Firefox | |
| **Test Step ID** | **Test Step Description** | **Expected Result** |
| 1 | A user with administrative rights should login to the system | Expect to to be a correct user |
| 2 | Click on the “Adminitration” menu | Expect to visit the adminitration panel |
| 3 | Click on “Members” | Expect to see a list with all memers |
| 4 | Click on the insert link | Expect to open the inserting new user panel |
| 5 | Enter a login name | Expect to be able to enter data |
| 6 | Enter a password | Expect to be able to enter data |
| 7 | Select level | Expect to be able to select data |
| 8 | Enter First Name | Expect to be able to enter data |
| 9 | Enter Last Name | Expect to be able to enter data |
| 10 | Enter Email | Expect to be able to enter data |
| 11 | Enter phone(optional) | Expect to be able to enter data |
| 12 | Enter address(optional) | Expect to be able to enter data |
| 13 | Enter note(optional) | Expect to be able to enter data |
| 14 | Select type of credit cart(optional) | Expect to be able to enter data |
| 15 | Enter credit cart number(optional) | Expect to be able to enter data |
| 16 | Click on “insert” button | Expect to go back to the page with the list of the members and the new member to be added |
| **Input** | Login: mon  Password: Doli  Level: adminitrator  Email: [monDoli@abv.bg](mailto:monDoli@abv.bg)  Phone: 0863729861 | |
| **Test verdict** | The test passed | |

# Advance Searching – price

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | TC\_22 | |
| **Description** | Tests the advanced serch funtionality | |
| **Applicable for** | Chrome(latest version), Opera(latest version), Firefox | |
| **Test Step ID** | **Test Step Description** | **Expected Result** |
| 1 | Click on advance search link | Expect to open advance search page |
| 2 | Select caregory | Expect to be possible to select category |
| 3 | Enter price more than and price less than | Expect to be possible to enter values |
| 4 | Click button search | Expect to be be redirected to page with the searching results |
| 5 | Verify the price if it is in the entered range of the books in the results list | Expect to have results |
| **Input** | Price more than: 60  Price less than: 23 | |
| **Test verdict** | The test failed | |

#### *Comments*:

The test fails - the system never displays results even when we are sure that there are book in that price range we entered.

# Adminitrator functions – delete member

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | TC\_23 | |
| **Description** | Tests the admin functionality to delete members | |
| **Applicable for** | Chrome(latest version), Opera(latest version), Firefox | |
| **Test Step ID** | **Test Step Description** | **Expected Result** |
| 1 | A user with administrative rights should login to the system | Expect to to be a correct user |
| 2 | Click on the “Adminitration” menu | Expect to visit the adminitration panel |
| 3 | Click on “Members” | Expect to see a list with all memers |
| 4 | Click on the user name insert link | Expect to open the user profile |
| 5 | Click again on the login name of the member | Expect to open an editing panel |
| 6 | Click on the delete button | Expect to go bachk to the list of all member and the member you had deleted will not be in this list |
| **Test verdict** | The test passed | |

# Adminitrator functions – delete member

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | TC\_FUNCT\_22 | |
| **Description** | Tests the admin functionality to delete members | |
| **Applicable for** | Chrome(latest version), Opera(latest version), Firefox | |
| **Test Step ID** | **Test Step Description** | **Expected Result** |
| 1 | A user with administrative rights should login to the system | Expect to to be a correct user |
| 2 | Click on the “Adminitration” menu | Expect to visit the adminitration panel |
| 3 | Click on “Members” | Expect to see a list with all memers |
| 4 | Click on the user name insert link | Expect to open the user profile |
| 5 | Click again on the login name of the member | Expect to open an editing panel |
| 6 | Click on the delete button | Expect to go bachk to the list of all member and the member you had deleted will not be in this list |
| **Test verdict** | The test passed | |

# Adminitrator functions – add new book

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | TC\_25 | |
| **Description** | Tests the admin funcionality to add new category | |
| **Applicable for** | Chrome(latest version), Opera(latest version), Firefox | |
| **Test Step ID** | **Test Step Description** | **Expected Result** |
| 1 | A user with administrative rights should login to the system | Expect to to be a correct user |
| 2 | Click on the “Adminitration” menu | Expect to visit the adminitration panel |
| 3 | Click on “Books” | Expect to see a list with all books |
| 4 | Click on “Add new” link | Expect the system to open an add book panel |
| 5 | Enter title | Expect to be able to enter data |
| 6 | Enter author | Expect to be able to enter data |
| 7 | Select category | Expect to be able to select category |
| 8 | Enter price | Expect to be able to enter data |
| 9 | Enter product url | Expect to be able to enter data |
| 10 | Enter image url | Expect to be able to enter data |
| 11 | Enter note | Expect to be able to enter data |
| 12 | Check the box if the book is recommended | Expect to be able to check the check box |
| 6 | Click the button “Add” | Expect to go back to books list and the new book to be added |
| **Input** | Title: Java for beginners  Author: Josh Sam  Category: Beginners  Price:45.99  Recommendet: Yes | |
| **Test verdict** | The test passed | |

# Adminitrator functions – update book

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | TC\_26 | |
| **Description** | Tests the admin funcionality to update book | |
| **Applicable for** | Chrome(latest version), Opera(latest version), Firefox | |
| **Test Step ID** | **Test Step Description** | **Expected Result** |
| 1 | A user with administrative rights should login to the system | Expect to to be a correct user |
| 2 | Click on the “Adminitration” menu | Expect to visit the adminitration panel |
| 3 | Click on “Books” | Expect to see a list with all books |
| 4 | Click on the “Edit” link | Expect the system to open a panel where you could edit book data |
| 5 | Change title | Expect to be able to enter data |
| 6 | Change author | Expect to be able to enter data |
| 7 | Change category | Expect to be able to select category |
| 8 | Change price | Expect to be able to enter data |
| 9 | Change product url | Expect to be able to enter data |
| 10 | Delete/Change image url | Expect to be able to enter data |
| 11 | Change note | Expect to be able to enter data |
| 12 | Check the box if the book is recommended | Expect to be able to check the check box |
| 13 | Click the button “Update” | Expect to go back to books list and the new book to be added |
| **Test verdict** | The test passed if the image url is not deleted else failed | |

# Adminitrator functions – update editorial

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | TC\_27 | |
| **Description** | Tests the admin functionality to update editorials | |
| **Applicable for** | Chrome(latest version), Opera(latest version), Firefox | |
| **Test Step ID** | **Test Step Description** | **Expected Result** |
| 1 | A user with administrative rights should login to the system | Expect to to be a correct user |
| 2 | Click on the “Adminitration” menu | Expect to visit the adminitration panel |
| 3 | Click on “Editorials” | Expect to see a list with all editorials |
| 4 | Click on the editorial name | Expect to be redirected to edit panel where you could change editorial data |
| 5 | Change Article Description | Expect to be able to enter data |
| 6 | Change Article Title | Expect to be able to enter data |
| 7 | Change Editorial Category | Expect to be able to select category |
| 8 | Change item | Expect to be able to enter data |
| 9 | Click on the “Update” button | Expect the editorial to be updated and also the change to be see on the right of the home page |
| **Input** | Article Description:Some description  Article Title:Title  Editorial Category: What, New , Weekly  Item: C# - Programming with the Public Beta | |
| **Test verdict** | The test passed | |
| **Input** | Article Description:Some description  Article Title:Title  Editorial Category:different from “What”, “New” , “Weekly”  Item: C# - Programming with the Public Beta | |
| **Test verdict** | The test failed | |

#### Comment:

Test fails for categories different from “What”, “New”, “Weekly”. The updated editorial is seen in the list of editorials but it is not shown on the right sidebar of the home page.

# Adminitrator functions – search book

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | TC\_28 | |
| **Description** | Tests the admin funcionality to search book | |
| **Applicable for** | Chrome(latest version), Opera(latest version), Firefox | |
| **Test Step ID** | **Test Step Description** | **Expected Result** |
| 1 | A user with administrative rights should login to the system | Expect to to be a correct user |
| 2 | Click on the “Adminitration” menu | Expect to visit the adminitration panel |
| 3 | Click on “Books” | Expect to see a list with all books |
| 4 | Select book category | Expect to be able to select category |
| 5 | Select if it should be recommended |  |
| 6 | Click the button “Search” | Expect the system to display a list with the book withch match your search parameters |
| **Test verdict** | The test passed | |

# Adminitrator functions – update category

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | TC\_FUNCT\_28 | |
| **Description** | Tests the admin funcionality to update category | |
| **Applicable for** | Chrome(latest version), Opera(latest version), Firefox | |
| **Test Step ID** | **Test Step Description** | **Expected Result** |
| 1 | A user with administrative rights should login to the system | Expect to to be a correct user |
| 2 | Click on the “Adminitration” menu | Expect to visit the adminitration panel |
| 3 | Click on “Categories” | Expect to see a list with all categories |
| 4 | Click on category name | Expect the system to open an editting category panel |
| 5 | Enter category name | Expect to be able to enter data |
| 6 | Click the button “Update” | Expect to go back to categories list and the caregory to be editted. And all record with the old category to be updated too. |
| **Input** | Name: Java | |
| **Test verdict** | The test passed | |

# Adminitrator functions – delete category

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | TC\_30 | |
| **Description** | Tests the admin funcionality to delete category | |
| **Applicable for** | Chrome(latest version), Opera(latest version), Firefox | |
| **Test Step ID** | **Test Step Description** | **Expected Result** |
| 1 | A user with administrative rights should login to the system | Expect to to be a correct user |
| 2 | Click on the “Adminitration” menu | Expect to visit the adminitration panel |
| 3 | Click on “Categories” | Expect to see a list with all categories |
| 4 | Click on category name | Expect the system to open an editting category panel |
| 5 | You can change category name | Expect to be able to enter data |
| 6 | Click the button “Delete” | Expect the system to show a message that says” The record cannot be deleted or changed because table 'items' includes related records” if there is a record with this category. If there aren’t such records the system deletes this category |
| **Input** | Name: Java | |
| **Test verdict** | The test passed | |

# Update shopping cart

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | TC\_31 | |
| **Description** | Tests the update orders funcionality | |
| **Applicable for** | Chrome(latest version), Opera(latest version), Firefox | |
| **Test Step ID** | **Test Step Description** | **Expected Result** |
| 1 | A user with administrative or ordenary rights should login to the system | Expect to to be a correct user |
| 2 | Click on the “Details” link | Expect to visit the update panel |
| 3 | Change the quantity of the order | Expect to be possible to enter values |
| 4 | Click on the “Update”button | Expect to go back to shopping cart page and the quantity to be updated with the quantity you entered |
| **Input** | Number: {1,2,3,4,….} | |
| **Test verdict** | The test passed | |

# Add to shopping cart a book

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | TC\_32 | |
| **Description** | Tests the adding to the shoppig cart function | |
| **Applicable for** | Chrome(latest version), Opera(latest version), Firefox | |
| **Test Step ID** | **Test Step Description** | **Expected Result** |
| 1 | Click on a book logo | Expect the system to open the books profile with detail information |
| 2 | Verify that the book profile is for the choosen book | Expect to be correct profile |
| 3 | Enter number in quantity field | Expect to be posible to enter a number |
| 4 | Click on the “Add to shopping cart” button | Expect to be redirected to the logged user shopping cart page |
| 5 | Verify that the Web Database Development : Step by Step book presents just ones in the cart’s list | Expect that the book presents just ones in the cart list |
| 6 | Verify that the number for quantity is the summary of the two quantities you have entered each time you have added this book to the cart | Expect to be the symmary of the two quantities |
| **Input** | Number {1, 2, 3, 4…} | |
| **Test verdict** | The test passed | |

#### *Comments*:

The test passes, but the system displays twice the name of the book in the cart on different rows.

# Adminitrator functions – search for member

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | TC\_33 | |
| **Description** | Tests the admin functionality to search for members | |
| **Applicable for** | Chrome(latest version), Opera(latest version), Firefox | |
| **Test Step ID** | **Test Step Description** | **Expected Result** |
| 1 | A user with administrative rights should login to the system | Expect to to be a correct user |
| 2 | Click on the “Adminitration” menu | Expect to visit the adminitration panel |
| 3 | Click on “Members” | Expect to see a list with all memers |
| 4 | Enter a letter ot the whole name of a member | Expect to be able to enter data |
| 5 | Click on the “Search” button | Expect the list with meber to be reduced and only mebers who has this letters you have entered to present in it |
| **Input** | Name: user | |
| **Test verdict** | The test passed | |

# Adminitrator functions – add editorial

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | TC\_34 | |
| **Description** | Tests the admin functionality to add editorials | |
| **Applicable for** | Chrome(latest version), Opera(latest version), Firefox | |
| **Test Step ID** | **Test Step Description** | **Expected Result** |
| 1 | A user with administrative rights should login to the system | Expect to to be a correct user |
| 2 | Click on the “Adminitration” menu | Expect to visit the adminitration panel |
| 3 | Click on “Editorials” | Expect to see a list with all editorials |
| 4 | Click on the “Insert” link | Expect to be redirected to editorial page where you could enter data for the new editorial |
| 5 | Enter Article Description | Expect to be able to enter data |
| 6 | Enter Article Title | Expect to be able to enter data |
| 7 | Select Editorial Category | Expect to be able to select category |
| 8 | Select item | Expect to be able to enter data |
| 9 | Click on the “Insert” button | Expect the new editorial to be added to the list and also to be see on the right of the home page |
| **Input** | Article Description:Some description  Article Title:Title  Editorial Category: What, New , Weekly  Item: C# - Programming with the Public Beta | |
| **Test verdict** | The test passed | |
| **Input** | Article Description:Some description  Article Title:Title  Editorial Category:different from “What”, “New” , “Weekly”  Item: C# - Programming with the Public Beta | |
| **Test verdict** | The test failed | |

#### Comment:

Test fails for categories different from “What”, “New”, “Weekly”. The category is never added to the right sidebar of the home page and the item is not seen too.

# Adminitrator functions – delete book

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | TC\_35 | |
| **Description** | Tests the admin funcionality to delete book | |
| **Applicable for** | Chrome(latest version), Opera(latest version), Firefox | |
| **Test Step ID** | **Test Step Description** | **Expected Result** |
| 1 | A user with administrative rights should login to the system | Expect to to be a correct user |
| 2 | Click on the “Adminitration” menu | Expect to visit the adminitration panel |
| 3 | Click on “Books” | Expect to see a list with all books |
| 4 | Click the button “Delete” | Expect if the book is in the orders list the system to show a message - “The record cannot be deleted or changed because table 'orders' includes related records.” . Else expect go back to books list and the book to be deleted |
| **Test verdict** | The test passed | |

#### Comment:

There is a small bug the system displays multiple type the error message – “The record cannot be deleted or changed because table 'orders' includes related records.”.

# Adminitrator functions – delete editorial

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | TC\_36 | |
| **Description** | Tests the admin functionality to delete editorials | |
| **Applicable for** | Chrome(latest version), Opera(latest version), Firefox | |
| **Test Step ID** | **Test Step Description** | **Expected Result** |
| 1 | A user with administrative rights should login to the system | Expect to to be a correct user |
| 2 | Click on the “Adminitration” menu | Expect to visit the adminitration panel |
| 3 | Click on “Editorials” | Expect to see a list with all editorials |
| 4 | Click on the “Delete” button | Expect the editorial to be deleted and also the change to be seen on the right of the home page and in the list of editorials |
| **Test verdict** | The test passed | |

# Adminitrator functions – add editorial category

|  |  |  |
| --- | --- | --- |
| **est Case ID** | TC\_37 | |
| **Description** | Tests the admin functionality to add editorial categories | |
| **Applicable for** | Chrome(latest version), Opera(latest version), Firefox | |
| **Test Step ID** | **Test Step Description** | **Expected Result** |
| 1 | A user with administrative rights should login to the system | Expect to to be a correct user |
| 2 | Click on the “Adminitration” menu | Expect to visit the adminitration panel |
| 3 | Click on “Editorial Categories” | Expect to see a list with all categories |
| 4 | Click on the “Insert” link | Expect to see an panel where you could enter category name |
| 5 | Click on the “Insert” button | Expect the editorial category to be added and also the change to be seen on the right of the home page and in the list of editorials |
| **Input** | Name: Beginners | |
| **Test verdict** | The test failed | |

# Adminitrator functions – update editorial category

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | TC\_38 | |
| **Description** | Tests the admin functionality to update editorial categories | |
| **Applicable for** | Chrome(latest version), Opera(latest version), Firefox | |
| **Test Step ID** | **Test Step Description** | **Expected Result** |
| 1 | A user with administrative rights should login to the system | Expect to to be a correct user |
| 2 | Click on the “Adminitration” menu | Expect to visit the adminitration panel |
| 3 | Click on “Editorial Categories” | Expect to see a list with all categories |
| 4 | Click on the category name | Expect to see an panel where you could update category name |
| 5 | Click on the “Update” button | Expect the editorial category to be updated and the list with all editorials to be updated to |
| **Input** | Name: Beginners1 | |
| **Test verdict** | The test passed | |

# Adminitrator functions – delete editorial category

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | TC\_39 | |
| **Description** | Tests the admin functionality to delete editorial categories | |
| **Applicable for** | Chrome(latest version), Opera(latest version), Firefox | |
| **Test Step ID** | **Test Step Description** | **Expected Result** |
| 1 | A user with administrative rights should login to the system | Expect to to be a correct user |
| 2 | Click on the “Adminitration” menu | Expect to visit the adminitration panel |
| 3 | Click on “Editorial Categories” | Expect to see a list with all categories |
| 4 | Click on the category name | Expect to see an panel where you could edit category name |
| 5 | Click on the “Delete” button | Expect the editorial category to be deleted. The change must be seen on the right of the home page and all editorials with this category must be deleted too |
| **Test verdict** | The test failed | |

#### Comment:

If you have deleted any of “What”, “New”, “Weekly” you will not see any change on the home page. And if you deleted any other category like “General” just the edtitorials list will be changed.

# Advance Searching – author

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | TC\_40 | |
| **Description** | Tests the advanced serch funtionality | |
| **Applicable for** | Chrome(latest version), Opera(latest version), Firefox | |
| **Test Step ID** | **Test Step Description** | **Expected Result** |
| 1 | Click on advance search link | Expect to open advance search page |
| 2 | Select caregory different from Programming | Expect to be possible to select category |
| 3 | Enter author name | Expect to be possible to enter author name |
| 4 | Click button search | Expect to be be redirected to page with the searching results |
| 5 | Verify the name of the author and the category | Expect to be the same as we entered |
| **Input** | Author: John Kaufman  Category:{All,Databases, HTML & Web design , Programming} | |
| **Test verdict** | The test failed | |

#### *Comments*:

The test fails - the system never displays results for categories different from “Programming” and author of a book from that different category.

# Adminitrator functions – update card type

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | TC\_41 | |
| **Description** | Tests the admin functionality to update card type | |
| **Applicable for** | Chrome(latest version), Opera(latest version), Firefox | |
| **Test Step ID** | **Test Step Description** | **Expected Result** |
| 1 | A user with administrative rights should login to the system | Expect to to be a correct user |
| 2 | Click on the “Adminitration” menu | Expect to visit the adminitration panel |
| 3 | Click on “Card types” | Expect to see a list with all card types |
| 4 | Click on the card type name | Expect to see an panel where you could change card type name |
| 5 | Change card type name | Expect to be able to enter data |
| 6 | Click on the “Update” button | Expect the cart type to be updated in the list of card types |
| **Input** | Name: Visa1 | |
| **Test verdict** | The test passed | |

# Adminitrator functions – delete card type

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | TC\_42 | |
| **Description** | Tests the admin functionality to delete card type | |
| **Applicable for** | Chrome(latest version), Opera(latest version), Firefox | |
| **Test Step ID** | **Test Step Description** | **Expected Result** |
| 1 | A user with administrative rights should login to the system | Expect to to be a correct user |
| 2 | Click on the “Adminitration” menu | Expect to visit the adminitration panel |
| 3 | Click on “Card types” | Expect to see a list with all card types |
| 4 | Click on the card type name | Expect to see an panel where you could change card type name |
| 5 | Click on the “Delete” button | Expect the cart type to be deleted from the list of card types |
| **Input** | Name: Visa1 | |
| **Test verdict** | The test passed | |

# Logout

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | TC\_43 | |
| **Description** | Tests the logout funcionality | |
| **Applicable for** | Chrome(latest version), Opera(latest version), Firefox | |
| **Test Step ID** | **Test Step Description** | **Expected Result** |
| 1 | Open the logout screen/menu. | See logout button |
| 2 | Click logout button | You should be redirekted to the login form and should be succesfully logout of the system |
| **Test verdict** | The test passed | |

# Update admin profile

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | TC\_44 | |
| **Description** | Tests the update the admin profile | |
| **Applicable for** | Chrome(latest version), Opera(latest version), Firefox | |
| **Test Step ID** | **Test Step Description** | **Expected Result** |
| 1 | Click on the menu “Registration” | See update user information form |
| 2 | Change admin info |  |
| 3 | Click “Update” | Expect the admin profile to be updated |
| 4 | Visit login sreen and click logout button | Expect to be logged out and redirected to the login form |
| 5 | Enter new admin name and password or login and password of other user | Expect to be logged in as admin and redirected to his profile |
| **Test verdict** | The test failed | |

#### Comment:

After the admin profile update it is not possible to login in the system with any profile.If the password is changed there is and error withch you can see on a screeshot image below the tracability matrix.

## Traceability matrix

| **Test Case ID** | **Bug Description** |
| --- | --- |
| [TC\_01](#_Fresh_user_Logon) | First time loggin for newly created user |
| [TC\_02](#_Advance_Searching_–_4) | Tests the advanced searching functionality by user |
| [TC\_03](#_Login_–_sql) | Tests the Login Screen – SQL Injection |
| [TC\_04](#_Login_–_xss) | Tests the Login Screen – XSS Injection |
| [TC\_05](#_Add_to_shopping) | Tests the adding to the shoppig cart quantity |
| [TC\_07](#_Duplicate_card_types) | Tests the admin functionality to duplicate card type |
| [TC\_09](#_Add_to_shopping_1) | Tests the adding to the shoppig cart function |
| [TC\_13](#_Admcard_numberinistrator_function) | Tests the admin functionality to insert new members |
| [TC\_15](#_Advance_Searching_by) | Tests the advanced serch functionality (title) |
| [TC\_16](#_Book_rating) | Tests the advanced serch functionality – Book rating |
| [TC\_17](#_Adminitrator_functions_–) | Tests the searching throught user orders |
| [TC\_20](#_Add_to_shopping_2) | Tests the adding to the shoppig cart function |
| [TC\_22](#_Adminitrator_functions_–_1) | Tests the advanced serch functionality (price) |
| [TC\_27](#_Adminitrator_functions_–_9) | Tests the admin functionality to update editorials |
| [TC\_34](#_Adminitrator_functions_–_3) | Tests the admin functionality to add editorials |
| [TC\_37](#_Adminitrator_functions_–_6) | Tests the admin functionality to add editorial categories |
| [TC\_39](#_Adminitrator_functions_–_7) | Tests the admin functionality to delete editorial categories |
| [TC\_40](#_Advance_Searching_–_5) | Tests the advanced serch funtionality |
| [TC\_44](#_Update_admin_profile) | Tests the update the admin profile |

verifyProductCanBeAddedToTheBasket

verifyTheProductDetailsPageIsDisplayed WhenATeaProductIsClickedFromTheProductListingPage

verifyProductCanBeAddedToTheBasket

verifyNewUserCanBeCreatedFromRegistrationProcess

verifyRegisteredUserCanSuccessfullyLogin

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | Test Case Name | Automated Test Case | | Test Status | Bug ID GitHub |
| **Class name** | **Method Name** |
| Login Test Cases | | | | | |
| [TC\_LOG\_01](#TC_LOG_01) | The Registered Member Can Successfully Login with Valid Credentials |  |  |  |  |
| [TC\_LOG\_02](#TC_LOG_02) | Error Message Is Displayed If an Invalid Password Is Submitted |  |  |  |  |
| [TC\_LOG\_03](#TC_LOG_03) | Error Message Is Displayed If an Invalid Username Is Submitted |  |  |  |  |
| [TC\_LOG\_04](#TC_LOG_04) | Error Message Is Displayed If Invalid Credentials Are Submitted |  |  |  |  |
| [TC\_LOG\_05](#TC_LOG_05) | Error Message Is Displayed If Valid Username and Empty Password Are Submitted |  |  |  |  |
| [TC\_LOG\_06](#TC_LOG_06) |  |  |  |  |  |
| [TC\_LOG\_07](#TC_LOG_07) |  |  |  |  |  |
| [TC\_LOG\_08](#TC_LOG_08) |  |  |  |  |  |
| Advance Search Test Cases | | | | | |
| [TC\_ASCH\_01](#TC_ASCH_01) |  |  |  |  |  |
| [TC\_ASCH\_02](#TC_ASCH_02) |  |  |  |  |  |
| TC\_ASCH\_03 |  |  |  |  |  |
|  |  |  |  |  |  |
|  | | | | | |
|  | | | | | |