

Library Book Loan System Test Cases Group One

LBLS-TC-001 - Customer Login:

Description:

The test case evaluates the main path of LBLS-UC-001 with the customer as an actor. The expected result of the test case is the system should display the main customer window.

Pre-conditions:

The program is run and the login screen is opened. The customer enters the username and password and presses the login button.

Post-conditions:

The customer logs in and the system displays the main customer window.

Data required:

The current customer username is "customer".

The current customer password is "test".

LBLS-TC-002 - Librarian Login:

Description:

The test case evaluates the main path of LBLS-UC-001 with the librarian as an actor. The expected result of the test case is the system should display the main librarian window.

Pre-conditions:

The program is run and the login screen is opened. The librarian enters the username and password and presses the login button.

Post-conditions:

The librarian logs in and the system displays the main librarian window.

Data required:

The current customer username is "librarian".

The current customer password is "test".

LBLS-TC-003 - Failed Login:

Description:

The test case evaluates the alternative path of LBLS-UC-001. The expected result of the test case is the system should display an error message dialog.

Pre-conditions:

The program is run and the login screen is opened. The customer/librarian enters a wrong username or password and presses the login button.

Post-conditions:

The system displays an error message dialog.

Data required:

The credentials are different from data section of LBLS-TC-001 and LBLS-TC-002.

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LBLS-TC-004 - Logout:

Description: The test case evaluates the LBLS-UC-002. The system should end the user's session and show the login screen as the expected result.

Pre-conditions: The user is logged in and pressed the logout button.

Post-conditions: The user's session ends and the login screen is opened.

Data required: N/A

LBLS-TC-005 - Search for Books as Non-logged-in User:

Description:

The test case evaluates the main path of LBLS-UC-003-1. As the expected result, the non-logged-in user shall be able to see the search results according to the search criteria.

Pre-conditions:

The search for books window is opened. The search criterias are entered and the search button is clicked.

Post-conditions:

The system displays the search result according to the search criterias.

Data required:

ISBN: 9750802942

Title: Harry Potter and the Philosopher's Stone

Author: J. K. Rowling

Publisher: Bloomsbury

Genre: Fantasy Fiction

Keywords: Harry Potter

LBLS-TC-006 - Search for Books with Wrong Format as Non-logged-in User:

Description:

The test case evaluates the alternative path 1 of LBLS-UC-003-1. As the expected result, the system should display the error message.

Pre-conditions:

The search for books window is opened. The search criterias in wrong format are entered and the search button is clicked.

Post-conditions:

The system displays the error message.

Data required:

ISBN: any non-digit input

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LBLS-TC-007 - Search for Books as Non-logged-in User:

Description:

The test case evaluates the alternative path 2 of LBLS-UC-003-1. As the expected result, the system should display a message of no book found.

Pre-conditions:

The search for books window is opened. The search criterias are entered and the search button is clicked.

Post-conditions:

The system displays the message of no book found.

Data required:

Title: Harry Potter in Wonderland

LBLS-TC-008 - Search for Books as Customer:

Description: The test case evaluates the main path of LBLS-UC-003-2. As the expected result, the customer shall be able to see the search results according to the search criteria.

Pre-conditions: The search for books window is opened. The search criterias are entered and the search button is clicked.

Post-conditions: The system displays the search result according to the search criterias.

Data required:

ISBN: 9750802942

Title: Harry Potter and the Philosopher's Stone

Author: J. K. Rowling

Publisher: Bloomsbury

Genre: Fantasy Fiction

Keywords: Harry Potter

LBLS-TC-009 - Search for Books with Wrong Format as Customer:

Description: The test case evaluates the alternative path 1 of LBLS-UC-003-2. As the expected result, the system should display the error message.

Pre-conditions: The search for books window is opened. The search criterias in wrong format are entered and the search button is clicked.

Post-conditions: The system displays the error message.

Data required:

ISBN: any non-digit input

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LBLS-TC-010 - Search for Books as Customer:

Description: The test case evaluates the alternative path 2 of LBLS-UC-003-2. As the expected result, the system should display a message of no book found.

Pre-conditions: The search for books window is opened. The search criterias are entered and the search button is clicked.

Post-conditions: The system displays the message of no book found.

Data required:

Title: Harry Potter in Wonderland

LBLS-TC-011 - Self Check-out:

Description:

The test case evaluates the main path of LBLS-UC-004 with the customer as an actor. The expected result of the test case is that the system should add the desired book to the user.

Pre-conditions:

The “Check-out or Return” window is opened. The actor enters the barcode of the book and presses the “Check-out” button.

Post-conditions:

The actor takes the book and the system shows a message in same window.

Data required:

ISBN: 9750802942

LBLS-TC-012 - Self Check-out with Wrong Format:

Description:

The test case evaluates the alternative path of LBLS-UC-004 with the customer as an actor. The expected result of the test case is that the system should display an error message.

Pre-conditions:

The “Check-out or Return” window is opened. The actor enters the barcode of the book in wrong format and presses the “Check-out” button.

Post-conditions:

The system displays the error message in same window.

Data required:

ISBN: any non-digit input

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LBLS-TC-013 - Self Check-out with Wrong Barcode:

Description:

The test case evaluates the alternative path of LBLS-UC-004 with the customer as an actor. The expected result of the test case is that the system should display an error message.

Pre-conditions:

The “Check-out or Return” window is opened. The actor enters the wrong barcode of the book and presses the “Check-out” button.

Post-conditions:

The system displays the error message in same window.

Data required:

ISBN: 9

LBLS-TC-014 - Self Return:

Description:

The test case evaluates the main path of LBLS-UC-005 with the customer as an actor. The expected result of the test case is that the system should return the desired book to the library.

Pre-conditions:

The “Check-out or Return” window is opened. The actor enters the barcode of the book and presses the “Return” button.

Post-conditions:

The actor returns the book to the library and the system shows a message in same window.

Data required:

ISBN: 9750802942

LBLS-TC-015 - Self Return with Wrong Format:

Description:

The test case evaluates the alternative path of LBLS-UC-005 with the customer as an actor. The expected result of the test case is that the system should display an error message.

Pre-conditions:

The “Check-out or Return” window is opened. The actor enters the barcode of the book in wrong format and presses the “Return” button.

Post-conditions:

The system displays the error message in same window.

Data required:

ISBN: any non-digit input

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LBLS-TC-016 - Self Return with Wrong Barcode:

Description:

The test case evaluates the alternative path of LBLS-UC-005 with the customer as an actor. The expected result of the test case is that the system should display an error message.

Pre-conditions:

The “Check-out or Return” window is opened. The actor enters the wrong barcode of the book and presses the “Return” button.

Post-conditions:

The system displays the error message in same window.

Data required:

ISBN: 9

LBLS-TC-017 - View my Books:

Description:

The test case evaluates the main path of LBLS-UC-006. The expected result of the test case is that the system should display the books that the customer took.

Pre-conditions:

The customer checked out before. Please see LBLS-TC-011. The customer is logged in and in the main window. The customer presses the “My books and Book Reservations” button.

Post-conditions:

The system opens “My books and Book Reservations” window and displays the books that the customer took in the “Current Books” tab.

Data required: N/A

LBLS-TC-018 - Pay Fine:

Description:

The test case evaluates the main path of LBLS-UC-007 with the customer as an actor. The expected result of the test case is that the system should pay a fine belong to the actor.

Pre-conditions:

The “View My Fines” window is opened. The actor clicks to any of the records in the table and “Pay Fine” button respectively, then enters information to pay in payment window.

Post-conditions:

The actor pays a fine belong to him/her and the system removes fine from the actor.

Data required:

Card number: 4242 4242 4242 4242

CVC: any three digits number

Name on the card: any string

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LBLS-TC-019 - Pay Fine with No Fines:

Description:

The test case evaluates the alternative path of LBLS-UC-007 with the customer as an actor. The expected result of the test case is that the system should disable “Pay Fine” button.

Pre-conditions:

The “View My Fines” window is opened and there is no record in the table.

Post-conditions:

The system disables “Pay Fine” button in the “View My Fines” window.

Data required:

N/A

LBLS-TC-020 - Pay Fine with Wrong Payment Information:

Description:

The test case evaluates the alternative path of LBLS-UC-007 with the customer as an actor. The expected result of the test case is that the system should display an error message.

Pre-conditions:

The “View My Fines” window is opened. The actor clicks to any of the records in the table and “Pay Fine” button respectively, then enters wrong information to pay in payment window.

Post-conditions:

The system displays the error message.

Data required:

Wrong payment information such as wrong card number.

LBLS-TC-021 - Add name to Book Waiting List:

Description:

The test case evaluates the main path of LBLS-UC-008. The expected result of the test case is that the system should add the book to the customer's waiting list.

Pre-conditions:

The customer searches a book and double-clicks a book which is not available from search results. The customer approves the addition of the book to his/her waiting list.

Post-conditions:

The system adds the book to the customer's waiting list.

Data required:

Title: Harry Potter and the Philosopher's Stone

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LBLS-TC-022 - Add name to Book Waiting List and Do Not Approve:

Description:

The test case evaluates the alternative path 1 of LBLS-UC-008. The expected result of the test case is that the system shouldn't add the book to the customer's waiting list.

Pre-conditions:

The customer searches a book and double-clicks a book which is not available from search results. The customer does not approve the addition of the book to his/her waiting list.

Post-conditions:

The system does not add the book to the customer's waiting list.

Data required:

Title: Harry Potter and the Philosopher's Stone

LBLS-TC-023 - Add name to Book Waiting List and Do Not Approve:

Description:

The test case evaluates the alternative path 2 of LBLS-UC-008. The expected result of the test case is that the system should display a message that informs the book is available.

Pre-conditions:

The customer searches a book and double-clicks a book which is available from search results.

Post-conditions:

The system does not add the book to the customer's waiting list and displays a message that informs the books is available.

Data required:

Title: Harry Potter and the Philosopher's Stone

LBLS-TC-024 - Create Customer:

Description:

The test case evaluates the main path of LBLS-UC-009 with the librarian as an actor. The expected result of the test case is that the system should create the user.

Pre-conditions:

The "User Operations" window is opened and it is "Create" tab by default. The actor enters the username, e-mail, password and confirm password fields and then presses on the "Add User" button.

Post-conditions:

The system creates the user and shows a operation successful message.

Data required:

username:customer2

e-mail:customer2@gmail.com

password:123456789

confirm password fields:123456789

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LBLS-TC-025 - Create Customer with Existing Information

Description:

The test case evaluates the alternative path of LBLS-UC-009 with the librarian as an actor. The expected result of the test case is that the system should display an error message.

Pre-conditions:

The "User Operations" window is opened and it is on "Create" tab by default. The actor enters criterias that exists in database and then presses on the "Add User" button.

Post-conditions:

The system displays the error message.

Data required:

username:customer2

e-mail:customer2@gmail.com

password:012345678

confirm password fields:012345678

LBLS-TC-026- Create Customer with Non Matching Password

Description:

The test case evaluates the alternative path of LBLS-UC-009 with the librarian as an actor. The expected result of the test case is that the system should display an error message.

Pre-conditions:

The "User Operations" window is opened and it is on "Create" tab by default. The actor enters criterias, non matching password and then presses on the "Add User" button.

Post-conditions:

The system displays the error message.

Data required:

username:customer3

e-mail:customer3@gmail.com

password:123456789

confirm password fields:987654321

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LBLS-TC-027 - Create Customer with Wrong Format:

Description:

The test case evaluates the alternative path of LBLS-UC-009 with the librarian as an actor. The expected result of the test case is that the system should display an error message.

Pre-conditions:

The “User Operations” window is opened and it is on “Create” tab by default. The actor enters criterias in wrong format and then presses on the “Add User” button.

Post-conditions:

The system displays the error message.

Data required:

username:customer3

e-mail:customer3gmail.com

password:123456789

confirm password fields:123456789

LBLS-TC-028 - Update Customer:

Description:

The test case evaluates the main path of LBLS-UC-0010 with the librarian as an actor. The expected result of the test case is that the system should update the user.

Pre-conditions:

The “User Operations” window is opened and it is “Update” tab. The actor enters criterias and then presses on the “Get User” button. After, The actor enters desired criterias to update and press “Update User” button.

Post-conditions:

The system updates the user and shows a operation successful message.

Data required:

Data to get user as follows:

username:customer2

e-mail:customer2@gmail.com

password:123456789

confirm password fields:123456789

Data to update user as follows:

e-mail:customer2@hotmail.com

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LBLS-TC-029 - Update Customer with Wrong Format:

Description:

The test case evaluates the alternative path of LBLS-UC-0010 with the librarian as an actor. The expected result of the test case is that the system should display an error message.

Pre-conditions:

The “User Operations” window is opened and it is “Update” tab. The actor enters criterias and then presses on the “Get User” button. After, The actor enters desired criterias to update in wrong format and press “Update User” button.

Post-conditions:

The system displays the error message.

Data required:

Data to get user as follows:

username:customer2

e-mail:customer2@gmail.com

password:123456789

confirm password fields:123456789

Data to update user as follows:

e-mail:customer2hotmail.com

LBLS-TC-030 - Delete Customer:

Description:

The test case evaluates the main path of LBLS-UC-0011 with the librarian as an actor. The expected result of the test case is that the system should delete the user.

Pre-conditions:

The “User Operations” window is opened and it is “Delete” tab. The actor enters e-mail. Then presses on the “Get User” and “Delete User” button respectively.

Post-conditions:

The system deletes the user and shows a operation successful message.

Data required:

e-mail:customer2@hotmail.com

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LBLS-TC-031 - Delete Customer with Wrong Format:

Description:

The test case evaluates the alternative path of LBLS-UC-0011 with the librarian as an actor. The expected result of the test case is that the system should display an error message.

Pre-conditions:

The “User Operations” window is opened and it is “Delete” tab. The actor enters e-mail in wrong format and then presses on the “Get User” button.

Post-conditions:

The system displays the error message.

Data required:

Wrong email format.

LBLS-TC-032 - View Customer:

Description:

The test case evaluates the main path 1 of LBLS-UC-012 with the librarian as an actor. The expected result of the test case is that the system should create desired book.

Pre-conditions:

The “User Operations” window is opened and it is “View” tab. The actor enters criterias and then presses on the “Get User” button.

Post-conditions:

The system shows desired user’s information.

Data required:

Username of the user.

Email of the user.

LBLS-TC-033 - View All Users:

Description:

The test case evaluates the main path 2 of LBLS-UC-012 with the librarian as an actor. The expected result of the test case is that the system should display all users in the database.

Pre-conditions:

The “Main Librarian Window” is opened. The actor presses on the “View All Users” button.

Post-conditions:

The system displays every user.

Data required:

N/A

LBLS-TC-034 - View Customer with Wrong Format:

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Description:

The test case evaluates the alternative path of LBLS-UC-012 with the librarian as an actor. The expected result of the test case is that the system should display an error message.

Pre-conditions:

The “User Operations” window is opened and it is “View” tab. The actor enters criterias in wrong format and then presses on the “Get User” button.

Post-conditions:

The system displays an error message.

Data required:

Wrong username format.

Wrong email format.

LBLS-TC-035- Create Book:

Description:

The test case evaluates the main path of LBLS-UC-013 with the librarian as an actor. The expected result of the test case is that the system should create desired book.

Pre-conditions:

The “Book Operations” window is opened and it is “Create” tab. The actor enters criterias and then presses on the “Create Book” button.

Post-conditions:

The system creates desired book.

Data required:

ISBN of the book.

Title of the book.

Author of the book.

Quantity of the book.

Publisher of the book.

Genre of the book.

Keywords of the book.

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LBLS-TC-036 - Create Book with Wrong Format:

Description:

The test case evaluates the alternative path of LBLS-UC-013 with the librarian as an actor. The expected result of the test case is that the system should display an error message.

Pre-conditions:

The “Book Operations” window is opened and it is “Create” tab. The actor enters criterias in wrong format and then presses on the “Create Book” button.

Post-conditions:

The system displays an error message.

Data required:

Wrong ISBN format such as non-digit input or wrong number of digits is the main criteria.

Quantity format is not in figures.

LBLS-TC-037 - Create Book with Existing Book Information:

Description:

The test case evaluates the alternative path of LBLS-UC-013 with the librarian as an actor. The expected result of the test case is that the system should display an error message that book exists.

Pre-conditions:

The “Book Operations” window is opened and it is “Create” tab. The actor enters ISBN number which already exists in the database and then presses on the “Create Book” button.

Post-conditions:

The system displays an error message.

Data required:

ISBN number which exists in the database.

LBLS-TC-038 - Update Book:

Description:

The test case evaluates the main path of LBLS-UC-014 with the librarian as an actor. The expected result of the test case is that the system should update desired book.

Pre-conditions:

The “Book Operations” window is opened and it is “Update” tab. The actor enters criterias and then presses on the “Get Book” button. After that enters new information about book and presses “Update Book”

Post-conditions:

The system updates desired book.

Data required:

ISBN of book as main criteria.

Other book informations are optional.

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LBLS-TC-039 - Update Book with Wrong Format:

Description:

The test case evaluates the alternative path of LBLS-UC-014 with the librarian as an actor. The expected result of the test case is that the system should display an error message.

Pre-conditions:

The “Book Operations” window is opened and it is “Update” tab. The actor enters criterias in wrong format and then presses on the “Get Book” button.

Post-conditions:

The system displays an error message.

Data required:

Wrong ISBN format such as non-digit input or wrong number of digits is the main criteria. Other informations can be neglected.

LBLS-TC-040 - Delete Book:

Description:

The test case evaluates the main path of LBLS-UC-015 with the librarian as an actor. The expected result of the test case is that the system should delete desired book.

Pre-conditions:

The “Book Operations” window is opened and it is “Delete” tab. The actor enters criterias and then presses on the “Get Book” button. After that selects a book from list and presses “Delete Book”

Post-conditions:

The system deletes desired book.

Data required:

ISBN of book

LBLS-TC-041 - Delete Book with Wrong Format:

Description:

The test case evaluates the alternative path of LBLS-UC-015 with the librarian as an actor. The expected result of the test case is that the system should display an error message.

Pre-conditions:

The “Book Operations” window is opened and it is “View” tab. The actor enters criterias in wrong format and then presses on the “Get Book” button.

Post-conditions:

The system displays an error message.

Data required:

Wrong ISBN format such as non-digit input or wrong number of digits.

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LBLS-TC-042 - View Book:

Description:

The test case evaluates the main path 1 of LBLS-UC-016 with the librarian as an actor. The expected result of the test case is that the system should display desired book.

Pre-conditions:

The “Book Operations” window is opened and it is “View” tab. The actor enters criterias and then presses on the “Get Book” button.

Post-conditions:

The system displays desired book.

Data required:

ISBN of book

LBLS-TC-043 - View All Books:

Description:

The test case evaluates the main path 2 of LBLS-UC-016 with the librarian as an actor. The expected result of the test case is that the system should display all books in the database.

Pre-conditions:

The “Main Librarian Window” is opened. The actor presses on the “View All Books” button.

Post-conditions:

The system displays every book.

Data required:

N/A

LBLS-TC-044 - View Book with Wrong Format:

Description:

The test case evaluates the alternative path of LBLS-UC-016 with the librarian as an actor. The expected result of the test case is that the system should display an error message.

Pre-conditions:

The “Book Operations” window is opened and it is “View” tab. The actor enters criterias in wrong format and then presses on the “Get Book” button.

Post-conditions:

The system displays an error message.

Data required:

Wrong ISBN format such as non-digit input or wrong number of digits.