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Test Name	LBLS-TC-001 Customer Login			
Use Case Tested:	LBLS-UC-001			
Test 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.			
Notes:	Please refer Data Field 1 in Test Data Table.			
Result (Pass/Fail/Warning/Incomplete)	Pass			
	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	Fill username and password fields as in Data Field 1 and press "Login" button.	The main customer window should be opened.	X	

Test Name	LBLS-TC-002 - Librarian Login			
Use Case Tested:	LBLS-UC-001			
Test 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.			
Notes:	Please refer Data Field 2 in Test Data Table.			

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Result (Pass/Fail/Warning/Incomplete)	Pass			
	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	Fill username and password fields as in Data Field 2 and press "Login" button.	The main library window should be opened.	X	

Test Name	LBLS-TC-003 - Failed Login			
Use Case Tested:	LBLS-UC-001			
Test 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.			
Notes:	N/A			
Result (Pass/Fail/Warning/Incomplete)	Pass			
	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	Leave username and/or password fields empty.	An Error Dialog with "The fields are mandatory" message should be opened.	X	
2.	Fill username and password fields different from Data Field 1 and 2 and press "Login" button.	An Error Dialog with "Username/password is wrong." message should be opened.	X	

Test Name	LBLS-TC-004 - Logout
Use Case Tested:	LBLS-UC-002

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Test 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.			
Notes:	N/A			
Result (Pass/Fail/Warning/Incomplete)	Pass			
	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	Press "Gear button" in the main window.	The "Settings" Dialog should be opened.	X	
2.	Press "Logout button" in the dialog.	The "Login Window" should be opened.	X	

Test Name	LBLS-TC-005 - Search for Books as Non-logged-in User			
Use Case Tested:	LBLS-UC-003-1			
Test 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.			
Notes:	Please refer Data Field 3 in Test Data Table.			
Result (Pass/Fail/Warning/Incomplete)	Pass			
	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	Fill the fields as in Data Field 3 and press the "Search" button.	The table should be contained one row.	X	

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Test Name	LBLS-TC-006 - Search for Books with Wrong Format as Non-logged-in User			
Use Case Tested:	LBLS-UC-003-1			
Test 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.			
Notes:	N/A			
Result (Pass/Fail/Warning/Incomplete)	Pass			
	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	Fill the “ISBN” field with any non-digit text and press the “Search” button.	An Error Dialog with “Wrong ISBN format.” message should be opened.	X	

Test Name	LBLS-TC-007 - Search for Books as Non-logged-in User			
Use Case Tested:	LBLS-UC-003-1			
Test 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.			
Notes:	Please refer Data Field 5 in Test Data Table.			

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Result (Pass/Fail/Warning/Incomplete)	Pass			
	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	Fill "Title" field as in Data Field 5 and press "Search" button.	A Dialog with "No book found." message should be opened.	X	

Test Name	LBLS-TC-008 - Search for Books as Customer			
Use Case Tested:	LBLS-UC-003-2			
Test 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.			
Notes:	Please refer Data Field 3 in Test Data Table.			
Result (Pass/Fail/Warning/Incomplete)	Pass			
	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	Fill the fields as in Data Field 3 and press the "Search" button.	The table should be contained one row.	X	

Test Name	LBLS-TC-009 - Search for Books with Wrong Format as Customer			
Use Case Tested:	LBLS-UC-003-2			
Test 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			

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	button is clicked.			
Post-conditions	The system displays the error message.			
Notes:	N/A			
Result (Pass/Fail/Warning/Incomplete)	Pass			
	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	Fill the “ISBN” field with any non-digit text and press the “Search” button.	An Error Dialog with “Wrong ISBN format.” message should be opened.	X	

Test Name	LBLS-TC-010 - Search for Books as Customer			
Use Case Tested:	LBLS-UC-003-2			
Test 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.			
Notes:	Please refer Data Field 5 in Test Data Table.			
Result (Pass/Fail/Warning/Incomplete)	Pass			
	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	Fill “Title” field as in Data Field 5 and press “Search” button.	A Dialog with “No book found.” message should be opened.	X	

Test Name	LBLS-TC-011 - Self Check-out			
Use Case Tested:	LBLS-UC-004			

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Test 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.			
Notes:	Please refer Data Field 7 in Test Data Table.			
Result (Pass/Fail/Warning/Incomplete)	Pass			
	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	Fill the “barcode” field as in Data Field 7 and press the “Check-out” button.	A dialog with “Done.” message should be opened.	X	

Test Name	LBLS-TC-012 - Self Check-out with Wrong Format			
Use Case Tested:	LBLS-UC-004			
Test 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.			
Notes:	N/A			
Result (Pass/Fail/Warning/Incomplete)	Pass			
	TEST STEP	EXPECTED TEST RESULTS	P	F

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1.	Fill the “barcode” field with any non-digit text and press the “Check-out” button.	An Error Dialog with “Wrong ISBN format.” message should be opened.	X	
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Test Name	LBLS-TC-013 - Self Check-out with Wrong Barcode			
Use Case Tested:	LBLS-UC-004			
Test 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.			
Notes:	Please refer Data Field 8 in Test Data Table.			
Result (Pass/Fail/Warning/Incomplete)	Pass			
	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	Fill the “barcode” field as in Data Field 8 and press the “Check-out” button.	An Error Dialog with “The book could not find” message should be opened.	X	

Test Name	LBLS-TC-014 - Self Return			
Use Case Tested:	LBLS-UC-005			
Test 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 book checked-out before. The “Check-out or Return” window is opened. The actor enters the barcode of the book and presses the “Return” button.			

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Post-conditions	The actor returns the book to the library and the system shows a message in same window.			
Notes:	Please refer Data Field 7 in Test Data Table.			
Result (Pass/Fail/Warning/Incomplete)	Pass			
	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	Fill the “barcode” field as in Data Field 7 and press the “Return” button.	A dialog with “Done.” message should be opened.	X	

Test Name	LBLS-TC-015 - Self Return with Wrong Format			
Use Case Tested:	LBLS-UC-005			
Test 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.			
Notes:	N/A			
Result (Pass/Fail/Warning/Incomplete)	Pass			
	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	Fill the “barcode” field with any non-digit text and press the “Return” button.	An Error Dialog with “Wrong ISBN format.” message should be opened.	X	

Test Name	LBLS-TC-016 - Self Return with Wrong Barcode
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Use Case Tested:	LBLS-UC-005			
Test 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.			
Notes:	Please refer Data Field 8 in Test Data Table.			
Result (Pass/Fail/Warning/Incomplete)	Pass			
	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	Fill the “barcode” field as in Data Field 8 and press the “Return” button.	An Error Dialog with “The book could not find” message should be opened.	X	

Test Name	LBLS-TC-017 - View my Books			
Use Case Tested:	LBLS-UC-006			
Test 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.			
Notes:	N/A			
Result (Pass/Fail/Warning/Incomplete)	Pass			

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	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	Press “My books and Book Reservations” button.	The “My Books and Reservations” window should be opened and the books that the customer took should be displayed under the “Current Books” tab.	X	

Test Name	LBLS-TC-018 - Pay Fine			
Use Case Tested:	LBLS-UC-007			
Test 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.			
Notes:	Before this test, self check-out before and change its “taken_date” field using a database tool such as MySQL Workbench. And then return the book.			
Result (Pass/Fail/Warning/Incomplete)	Pass			
	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	Fill the “Card Number” field as in Data Field 8 and press the “Process payment” button.	A dialog with “Done.” message should be opened.	X	

Test Name	LBLS-TC-019 - Pay Fine with No Fines			
Use Case Tested:	LBLS-UC-007			
Test 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 displays a message about no fine.			

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Pre-conditions	The “View My Fines” window is opened.			
Post-conditions	The system displays a message about no fine.			
Notes:	Before this test, the customer should have no fine.			
Result (Pass/Fail/Warning/Incomplete)	Pass			
	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	Press “View My Fines” button.	A message with “You do not have any fine.” message should be displayed.	X	

Test Name	LBLS-TC-020 - Pay Fine with Wrong Payment Information			
Use Case Tested:	LBLS-UC-007			
Test 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.			
Notes:	Before this test, self check-out before and change its “taken_date” field using a database tool such as MySQL Workbench. And then return the book.			
Result (Pass/Fail/Warning/Incomplete)	Pass			
	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	Fill the “Card Number” field different from Data Field 8 and press the “Process payment” button.	An Error Dialog with “Payment failed” message should be opened.	X	

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Test Name	LBLS-TC-021 Add name to Book Waiting List			
Use Case Tested:	LBLS-UC-008			
Test 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.			
Notes:	Please refer Data Field 7 in Test Data Table.			
Result (Pass/Fail/Warning/Incomplete)	Pass			
	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	Fill ISBN field as in Data Field 7 and press "Check-out" button.	A Dialog with "The book is not available at the moment. Do you want to add the book to the waiting list!" message should be opened and asked whether the user accepts.	X	
2.	Press "Agree" button.	A Dialog with "Done." message should be opened.	X	

Test Name	LBLS-TC-022 Add name to Book Waiting List and Do Not Approve			
Use Case Tested:	LBLS-UC-008			
Test 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.			

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Notes:	Please refer Data Field 7 in Test Data Table.			
Result (Pass/Fail/Warning/Incomplete)	Pass			
	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	Fill ISBN field as in Data Field 7 and press “Check-out” button.	A Dialog with “The book is not available at the moment. Do you want to add the book to the waiting list!” message should be opened and asked whether the user accepts.	X	
2.	Press “Disagree” button.	A Dialog with “Process is cancelled.” message should be opened.	X	

Test Name	LBLS-TC-023 Add name to Book Waiting List and Do Not Approve			
Use Case Tested:	LBLS-UC-008			
Test 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.			
Notes:	Please refer Data Field 7 in Test Data Table.			
Result (Pass/Fail/Warning/Incomplete)	Pass			
	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	Fill the “barcode” field as in Data Field 7 and press the “Check-out” button.	A dialog with “Done.” message should be opened.	X	

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Test Name	LBLS-TC-024 Create Customer			
Use Case Tested:	LBLS-UC-009			
Test 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.			
Notes:	Please refer Data Field 12 in Test Data Table.			
v	Pass			
	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	Fill username, e-mail, password, confirm password fields as in Data Field 12 , choose User role as customer and press "Add User" button.	A Dialog with "User was added." message should be opened.	X	

Test Name	LBLS-TC-025 Create Customer with Existing Information			
Use Case Tested:	LBLS-UC-009			
Test 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.			

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Notes:		Please refer Data Field 12 in Test Data Table.		
v		Pass		
	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	Fill username, e-mail, password, confirm password fields as in Data Field 12 , choose User role as customer and press “Add User” button.	An Error Dialog with “The user could not be added.” message should be opened.	X	

Test Name	LBLS-TC-026 Create Customer with Non Matching Password			
Use Case Tested:	LBLS-UC-009			
Test 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.			
Notes:		Please refer Data Field 13 in Test Data Table.		
v		Pass		
	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	Fill username, e-mail, password, confirm password fields as in Data Field 13 , choose User role as customer and press “Add User” button.	An Error Dialog with “The password and confirmation password do not match.” message should be opened.	X	

Test Name	LBLS-TC-027 Create Customer with Wrong Format
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Use Case Tested:	LBLS-UC-009			
Test 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.			
Notes:	Please refer Data Field 16 in Test Data Table.			
v	Pass			
	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	Fill username, e-mail, password, confirm password fields as in Data Field 16 , choose User role as customer and press “Add User” button.	An Error Dialog with “The email is not valid.” message should be opened.	X	

Test Name	LBLS-TC-028 Update Customer			
Use Case Tested:	LBLS-UC-010			
Test 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.			
Notes:	Please refer Data Field 17 and 18 in Test Data Table.			
v	Pass			

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	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	Fill username field as in Data Field 17 and press “Get User” button.	User E-mail should be shown in E-mail field.	X	
	Fill E-mail field as in Data Field 18 and press “Update User” button.	A Dialog with “User was updated.” message should be opened.	X	

Test Name	LBLS-TC-029 Update Customer with Wrong Format			
Use Case Tested:	LBLS-UC-010			
Test 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.			
Notes:	Please refer Data Field 17 and 15 in Test Data Table.			
v	Pass			
	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	Fill username field as in Data Field 17 and press “Get User” button.	User E-mail should be shown in E-mail field.	X	
	Fill E-mail field as in Data Field 15 and press “Update User” button.	An Error Dialog with “The email is not valid.” message should be opened.	X	

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Test Name	LBLS-TC-030 Delete Customer			
Use Case Tested:	LBLS-UC-0011			
Test 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.			
Notes:	Please refer Data Field 17 in Test Data Table.			
v	Pass			
	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	Fill username field as in Data Field 17 and press “Get User” button.	Username and email of the user should be shown on the table.	X	
2.	Press “Delete User” button.	A Dialog with “User was deleted.” message should be opened.	X	

Test Name	LBLS-TC-032 View Customer			
Use Case Tested:	LBLS-UC-0012			
Test 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.			

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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.			
Notes:	Please refer Data Field 19 in Test Data Table.			
v	Pass			
	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	Fill username field as in Data Field 19 and press “Get User” button.	Title, ISBN, Author, Genre, Reservation Data and Return Data of user’s books are shown on the table.	X	

Test Name	LBLS-TC-033 View All Users			
Use Case Tested:	LBLS-UC-012			
Test 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.			
Notes:	N/A			
Result (Pass/Fail/Warning/Incomplete)	Pass			
	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	Presses on the “View All Users” from the “Main Librarian Window.	All users in the library are shown in table in View All Users Window.	X	

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Test Name	LBLS-TC-035 Create Book			
Use Case Tested:	LBLS-UC-013			
Test 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.			
Notes:	Please refer Data Field 4 in Test Data Table.			
Result (Pass/Fail/Warning/Incomplete)	Pass			
	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	Fill ISBN, Title, Author, Quantity, Publisher, Genre and Keywords fields as in Data Field 4 and press “Create Book” button.	A Dialog with “Book was added.” message should be opened.	X	

Test Name	LBLS-TC-036 Create Book with Wrong Format			
Use Case Tested:	LBLS-UC-013			
Test 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.			

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Post-conditions		The system displays an error message.		
Notes:		Please refer Data Field 6 in Test Data Table.		
Result (Pass/Fail/Warning/Incomplete)		Pass		
	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	Fill ISBN, Title, Author, Quantity, Publisher, Genre and Keywords fields as in Data Field 6 and press “Create Book” button.	An Error Dialog with “Quantity is wrong format.” message should be opened.	X	

Test Name		LBLS-TC-037 Create Book with Existing Book Information		
Use Case Tested:		LBLS-UC-013		
Test 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.		
Notes:		Please refer Data Field 4 in Test Data Table.		
Result (Pass/Fail/Warning/Incomplete)		Pass		
	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	Fill ISBN, Title, Author, Quantity, Publisher, Genre and Keywords fields as in Data Field 4 and press “Create Book” button.	An Error Dialog with “There is a book for this ISBN number.” message should be opened.	X	

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Test Name	LBLS-TC-038 Update Book			
Use Case Tested:	LBLS-UC-014			
Test 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.			
Notes:	Please refer Data Field 7 and 10 in Test Data Table.			
Result (Pass/Fail/Warning/Incomplete)	Pass			
	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	Fill ISBN field as in Data Field 7 and press “Get Book” button.	ISBN, Title, Author, Quantity, Publisher, Genre and Keywords fields of books are shown.	X	
2.	Fill ISBN, Title, Author, Quantity, Publisher, Genre and Keywords fields as in Data Field 10 and press “Update Book” button.	A Dialog with “Book was updated.” message should be opened.	X	

Test Name	LBLS-TC-039 Update Book with Wrong Format			
Use Case Tested:	LBLS-UC-014			
Test 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.			

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Post-conditions	The system displays an error message.			
Notes:	Please refer Data Field 11 in Test Data Table.			
Result (Pass/Fail/Warning/Incomplete)	Pass			
	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	Fill ISBN field as in Data Field 11 and press “Get Book” button.	An Error Dialog with “ISBN is wrong format.” message should be opened.	X	

Test Name	LBLS-TC-040 Delete Book			
Use Case Tested:	LBLS-UC-015			
Test 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.			
Notes:	Please refer Data Field 7 in Test Data Table.			
Result (Pass/Fail/Warning/Incomplete)	Pass			
	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	Fill ISBN field as in Data Field 7 and press “Get Book” button.	ISBN, Title, Author and Genre fields of books are shown on tablo.	X	
2.	Press “Delete Book” button.	A Dialog with “Book was deleted.” message should be opened.	X	

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Test Name	LBLS-TC-041 Delete Book with Wrong Format			
Use Case Tested:	LBLS-UC-015			
Test 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.			
Notes:	Please refer Data Field 11 in Test Data Table.			
Result (Pass/Fail/Warning/Incomplete)	Pass			
	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	Fill ISBN field as in Data Field 11 and press “Get Book” button.	An Error Dialog with “ISBN is wrong format.” message should be opened.	X	

Test Name	LBLS-TC-042 View Book			
Use Case Tested:	LBLS-UC-016			
Test 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.			
Notes:	Please refer Data Field 7 in Test Data Table.			
Result (Pass/Fail/Warning/Incomplete)	Pass			

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	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	Fill ISBN field as in Data Field 7 and press “Get Book” button.	ISBN, Author, Quantity, Publisher and Genre fields of book should be shown on the table.	X	

Test Name	LBLS-TC-043 View All Books			
Use Case Tested:	LBLS-UC-016			
Test 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.			
Notes:	N/A			
Result (Pass/Fail/Warning/Incomplete)	Pass			
	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	Presses on the “View All Books” from the “Main Librarian Window.	All books in the library are shown in table in View All Books Window.	X	

Test Name	LBLS-TC-044 View Book with Wrong Format			
Use Case Tested:	LBLS-UC-016			
Test 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.			

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Post-conditions		The system displays an error message.		
Notes:		Please refer Data Field 11 in Test Data Table.		
Result (Pass/Fail/Warning/Incomplete)		Pass		
	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	Fill ISBN field as in Data Field 11 and press “Get Book” button.	An Error Dialog with “ISBN is wrong format.” message should be opened.	X	

Test Data Table							
	1	2	3	4	5	6	7
Data Field 1	username: “customer”	password: “test”					
Data Field 2	username: “librarian”	password: “test”					
Data Field 3	ISBN: “9750802942”	Title: “Harry Potter and the Philosopher's Stone”	Author: “J. K. Rowling”	Publisher: “Bloomsbury”	Genre: “Fantasy Fiction”	Keywords: “Harry Potter”	
Data Field 4	ISBN: “9750802942”	Title: “Harry Potter and the Philosopher's Stone”	Author: “J. K. Rowling”	Publisher: “Bloomsbury”	Genre: “Fantasy Fiction”	Keywords: “Harry Potter”	Quantity: 1
Data Field 5	Title: “Harry Potter						

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	in Wonderland”						
Data Field 6	ISBN: “9750802942 ”	Title: “Harry Potter and the Philosopher's Stone”	Author: “J. K. Rowling”	Publisher: “Bloomsbury”	Genre: “Fantasy Fiction”	Keywords: “Harry Potter”	Quantity: a
Data Field 7	ISBN: “9750802942 ”						
Data Field 8	ISBN: “9”						
Data Field 9	Card Number: “4444 4444 4444 4444”						
Data Field 10	ISBN: “9750802942 ”	Title: “Harry Potter and the Philosopher's Stone”	Author: “J. K. Rowling”	Publisher: “Bloomsbury”	Genre: “Fantasy Fiction”	Keywords: “Harry Potter”	Quantity: 3
Data Field 11	ISBN: “abcd”						
Data Field 12	username: “customer2”	e-mail: “customer2@g mail.com”	password: “123456789”	confirm password fields: “123456789”			
Data Field 13	username: “customer3”	e-mail: “customer3@g mail.com”	password: “123456789”	confirm password fields: “987654321”			

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Data Field 14	e-mail: "customer2@ hotmail.com"						
Data Field 15	e-mail: "customer2ho tmal.com"						
Data Field 16	username: "customer3"	e-mail: "customer3gma il.com"	password: "123456789"	confirm password fields: "123456789"			
Data Field 17	username: "customer2"						
Data Field 18	e-mail: "customer12 @gmail.com"						
Data Field 19	username: "customer"						