

University of Maryland Global Campus

Library Management System (LMS)

Test Plan

CMSC 495 7380

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Version 1.9

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Revision History

REVISION	DATE	DESCRIPTION	Author
1.0	4/12/2023	Initial	Ben Ramos
1.1	4/13/2023	Addition of Add/Remove Test Cases	Brandon Durham
1.2	4/15/2023	Addition of Issuing Book Test Cases	Brandon Durham
1.3	4/17/2023	Addition of Login Test Cases and Book Search Test Cases	Ben Ramos
1.4	4/18/2023	Modification of Test Cases	Ben Kus
1.5	4/18/2023	Document Modification	Ben Ramos Ben Kus Brandon Durham
1.6	4/24/2023	Modification to Test Description (2-11) Modifications to the Test Plan Description	Ben Ramos Brandon Durham
1.7	5/3/2023	Modification to Test Plan inputs	Ben Kus Ben Ramos
1.8	5/4/2023	Modification to Test Plan Inputs	Ben Ramos Ben Kus
1.9	5/6/2023	Additions of screenshots from testing	Ben Ramos Ben Kus Brandon Durham

Test Plan

The purpose of this Test Plan is to walk through each of the project requirements to test and display the functionality of each requirement. A series of test cases will walk through various application functions, starting with login and ending with log out. In the description, we provide what information will be input into the application and the expected and actual results. This test plan reflects normal operational functions and several error cases.

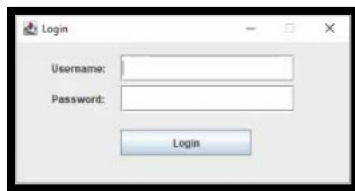
Test Case Number	Requirement Number	Test Description	Expected Results	Actual Result (Note* Screen Shots are Below the Table)	Pass/Fail/Comments
1	1	The administrator will open the application and will be presented with a login screen with Username and Password Blocks.	The application will open, and a login window will be displayed with Username and Password	Login displayed and presented a Username and Password block	Passed. Performed as expected
2	1,2	Administrator will enter login information and be brought to the Admin Menu and be presented with the admin function Input: Username: Admin1 Password: GummyBear973	Username and Password are entered, and the "Admin Page" will display for the user	The Username and Password were accepted and the Admin Menu was displayed.	Passed. Performed as expected
3	1	The administrator will enter an incorrect Username and Password. The system will recognize an incorrect entry (Username) and be given an unsuccessful login display Input: Username: AdminOne Password: GummyBear973	When incorrect information is entered an unsuccessful entry will be displayed and the user will have to re-enter login information	The Username was not accepted and the application displayed an "invalid username or password" message.	Passed. Performed as expected

4	3	<p>An admin is trying to issue a book that isn't available. The admin will enter the ISBN, along with the borrower's information.</p> <p>Input: ISBN: 9781305867810 Full Name: Rose Bukater Email: heartoftheocean@gmail.com Address: 400 Titanic Ave, New York, NY 10002</p>	Display a message saying the book isn't available or cannot be found	After entering ISBN and the borrower's information the application recognized the book was not in the inventory and displayed a message	Passed. Performed as expected
5	2,4	<p>From the system UI display, the admin will click on the "Issue Book" button and display an Issue book page While issuing a book, the borrower's Full Name, Phone, Email, and Address will be entered.</p> <p>Input: Title: <i>Catcher in the Rye</i> ISBN: 9780316769533 Full Name: Rose Bukater Email: heartoftheocean@gmail.com Address: 400 Titanic Ave, New York, NY 10002</p>	<p>Input Blocks for the Borrowers' information will be present and allow for input to be entered.</p> <p>On the display: Title: <i>Catcher in the Rye</i> ISBN: 9780316769532 Full Name: Rose Bukater Phone: 867-5309 Email: heartoftheocean@gmail.com Address: 400 Titanic Ave, New York, NY 10002</p>	After entering all the required information, the application populated the title and author. The application also confirmed the book to be issued. Once Admin confirmed it displayed a message that the book was issued	Passed. Performed as expected
6	4	<p>While entering the borrower's input on the issue book display, the application will recognize incorrect symbols entered in the name block.</p> <p>Input: ISBN: 9780743273565 Full Name: Rose *ukater Email: heartoftheocean@gmail.com Address: 400 Titanic Ave, New York, NY 10002</p>	The application will recognize symbols (i.e., @\$%&*) that are entered in the block and provide an error message	The application recognized that the * was entered in the borrower's last name. A message was displayed for an invalid entry	Passed. Performed as expected
7	5	<p>Once logged in as an admin and after clicking the "Search Book" button, provide a Book ID to then find/display the corresponding book.</p> <p>Input: ISBN: 9780743273565</p>	<p>The book with the correct ID is displayed after completing the search function.</p> <p>On the display: Title: <i>The Great Gatsby</i> Author: F. Scott Fitzgerald ISBN: 9780743273565</p>	After entering the ISBN in the Search box, The title and author were populated indicating it	Passed. Performed as expected

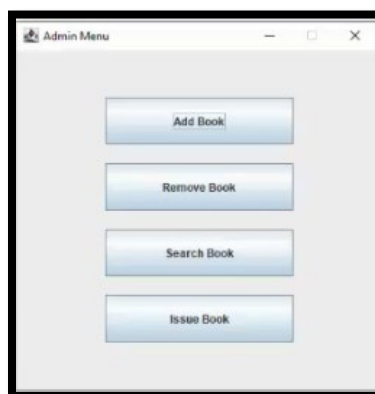
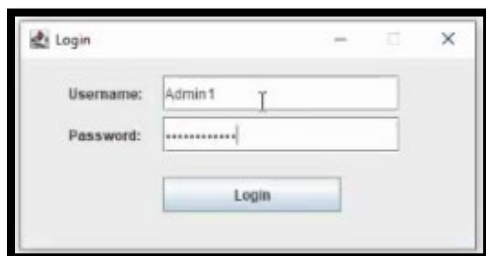
				was in the inventory	
8	5	<p>The admin will enter a Book ID or ISBN for a book that will not be available.</p> <p><u>Input:</u> <i>ISBN: 1054125874521</i></p>	Displays a message saying the book with that ID isn't found or in the system.	After entering the ISBN in the Search box, the application displayed a message that the book didn't exist in the inventory	Passed. Performed as expected
9	6	<p>The admin will add a book that currently doesn't exist in the library.</p> <p><u>Input:</u> <i>Title: Valley of the Dolls</i> <i>Author: Jacqueline Susann</i> <i>ISBN: 9780802125347</i></p>	A message will be displayed that the book was added, and the book information will be displayed	After entering the ISBN, title, and author in the Add Book box, the application displayed a message that the book had been added to the inventory	Passed. Performed as expected
10	6	<p>The admin will remove a book that currently exists in the library.</p> <p><u>Input:</u> <i>Title: Anna Karenina</i> <i>Author: Leo Tolstoy</i> <i>ISBN: 9780143035008</i></p>	A message will be displayed that the book was removed, and the book information will be displayed	After entering the ISBN in the Remove Book box, The title and author were populated and the application confirmed the removal of the book. A message was displayed that the book was removed	Passed. Performed as expected
11	6	<p>For a book trying to be removed doesn't exist. The admin will enter a Book ID or ISBN for a book that will not be found.</p> <p><u>Input:</u> <i>Title: Anna Karenina</i> <i>Author: Leo Tolstoy</i> <i>ISBN: 9780143035008</i></p>	Display a message saying there isn't a book with that ID.	After entering the ISBN in the Remove Book box, and clicking submit, the application displays a message that the book does	Passed. Performed as expected

				not exist in the database.	
12	6	<p>Adding a book that's already in the system. The admin will enter a Book ID or ISBN for a book that is already in the system.</p> <p>Input: Title: <i>Catcher in the Rye</i> Author: <i>J. D. Salinger</i> ISBN: 9780316769533</p>	Display a message saying that the book is in the system already.	After entering the required information, a message is displayed that the book already exists in the inventory	Passed. Performed as expected
13	7	The logout function will be clicked and log the administrator out of the application.	After logging out of the application a message is displayed that Administrator has been logged out.	After clicking on the "X" in the top corner, a message is displayed that the Administrator was logged out.	Passed. Performed as expected

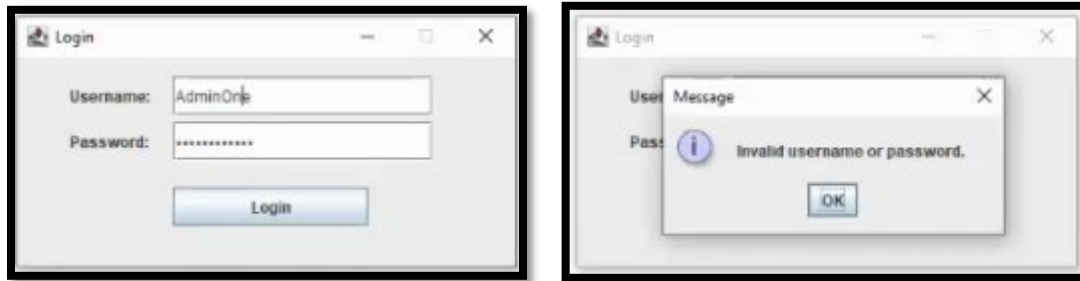
Test Case 1



Test Case 2



Test Case 3



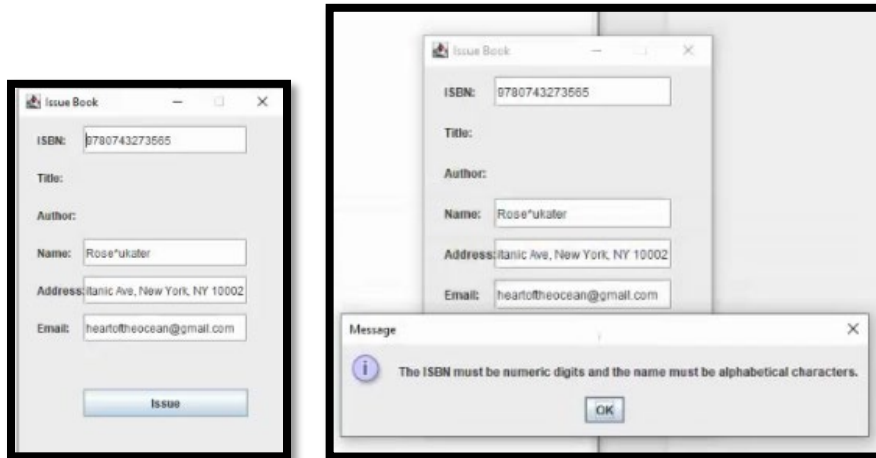
Test Case 4



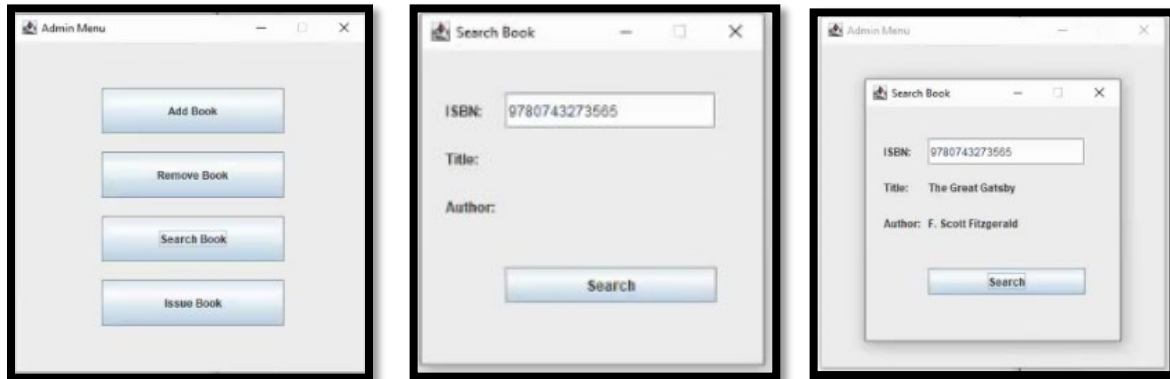
Test Case 5



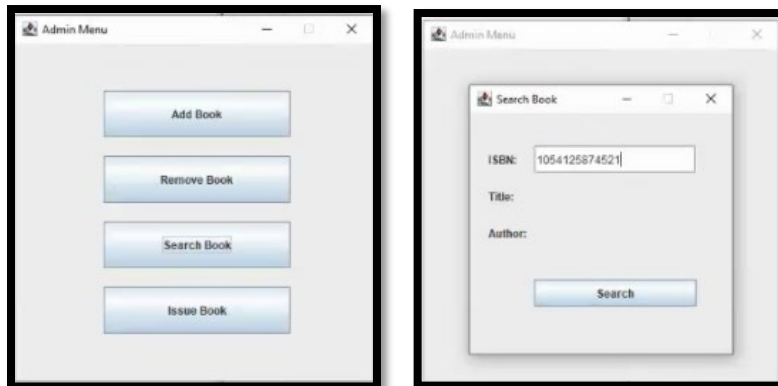
Test Case 6



Test Case 7

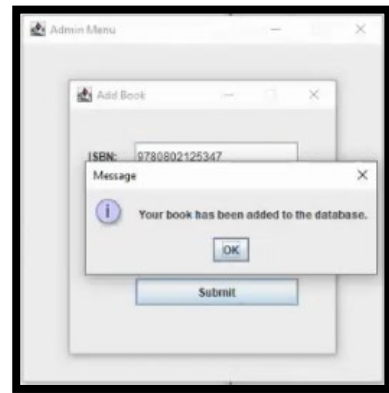
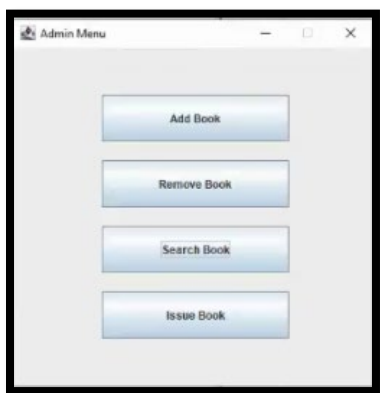


Test Case 8

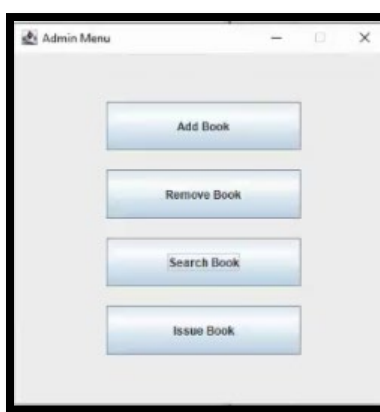


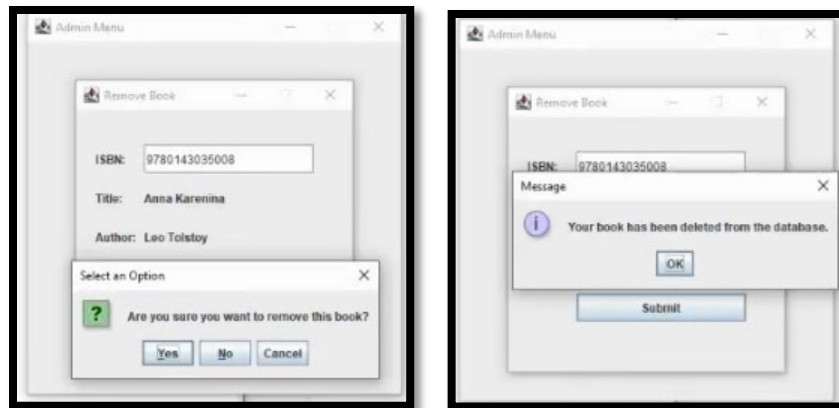


Test Case 9

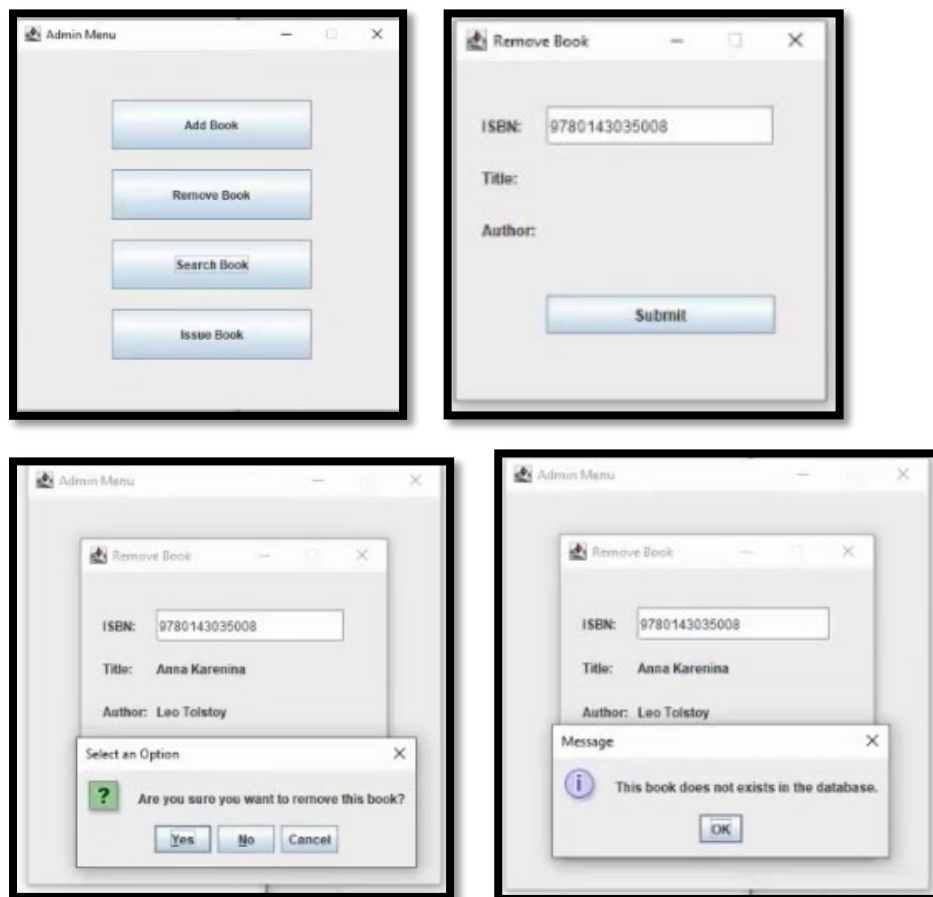


Test Case 10





Test Case 11



Test Case 12



Test Case 13

