
<LIBRARY BOOK LOAN SYSTEM>

TEST REPORT

Version <3.14>

<09/05/2017>

1.0 INTRODUCTION

1.1 PURPOSE

This *Library Book Loan System* Test Report provides a summary of the results of test performed as outlined within this document.

2.0 TEST SUMMARY

[Blackbox-Whitebox Testing]

Project Name: *Library Book Loan System*

Version Number: *3.14*

Additional Comments: *Blackbox and whitebox testing techniques were used in our project.*

2.1 **BLACKBOX-LOGIN**

*What the system did when the information was entered incorrectly during login.
Sql injection vulnerabilities checked*

- Check if the username field accepts valid username and password field accepts valid password.
- Check if the wrong username and valid password allows access to any specific account.
- Check if the valid username and wrong password allows access to any specific account.
- Check if the forgot username link leads to username recovery page.
- Check if the forgot password link leads to the password recovery page.
- Check if the invalid username and password triggers any warning.
- Check if the invalid credentials open the random account.
- Check if the user is logged in, allows you to logout by using the link at the bottom of the application.
- Check if the logout link function as expected.

Test Results: The system was successful without error

2.2 BLACKBOX-SEARCH BOOK

*Books that were not found in the system when searching for books were searched.
The books that came were searched with small letter changes.*

- Check if the search function allows searching of books as per title, ISBN, author, genre or all of the criteria.
- Check if the search filter exists as per – books, cds, magazines, videos and software or all of them.
- Check if the search filter has categories feature.
- Check if the search system has the table for listing the search results.
- Check if the search system has either enter button functionality or ‘magnify” glass button to perform search query.
- Check if the search system has profile searching filter and categories options.
- Check if the profile search has the results listed as table with profile information containing member info.

Test Results: The system was successful without error

2.3 BLACKBOX-LOAN BOOK

Trying to rent a book that another user has. It was checked to book more than the maximum limit.

Test Results: Fixed bug in the maximum limit.

2.4 BLACKBOX- BOOK RETURN

Tried to return the book after the return period passed without penalty

Test Results: The penalty amount was set and the return period of the book was corrected

2.5 WHITEBOX

The whitebox tests method was successfully applied.

Test Results: The exploits that occurred in the methods were closed.

3.0 TEST ASSESSMENT

Database test cases did not last long because the database was small. The number of test cases increased due to the fact that there were more bugs in the places where the user inputs were.

4.0 TEST RESULTS

The penalty period and the amount we have noticed in the test result have been determined. Erroneous input messages at the user input and the system has been tested for openness.