TEST SUMMARY REPORT

Introduction: This document summarizes the testing results of the database in the component Library-2.
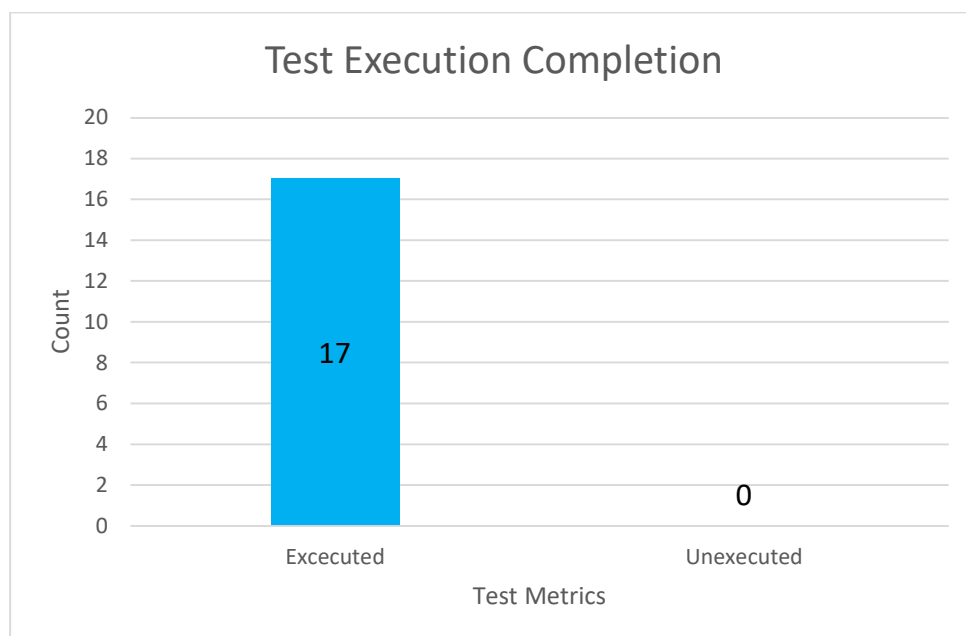
Test items: Library-2 – Version 2.0

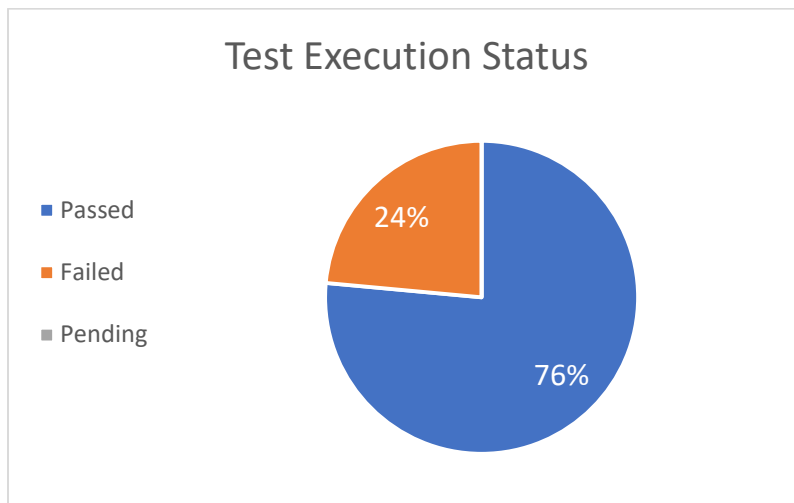**References:**   Test cases, Bug reports on Bugzila.

1. Test Case Information:

a. Test Execution Completion:

Total test cases planned:	**17**
Test cases executed:	17
Test cases unexecuted:	0

b. Test Execution Status:

Total test cases executed:	**17**
Test cases passed:	13
Test cases failed:	4
Test cases pending:	0

Test Execution Status

- Passed
- Failed
- Pending

24%

76%

2. Defect Report Information:

a. Defect Summary by Status:

Total defects found:	**9**
Defects Unconfirmed:	0
Defects Confirmed:	4
Defects In_progess:	0
Defects Verified:	5

Defect Summary Report By Status

Unconfirmed	Confirmed	In_Progress	Verified
0	4	0	5

Status
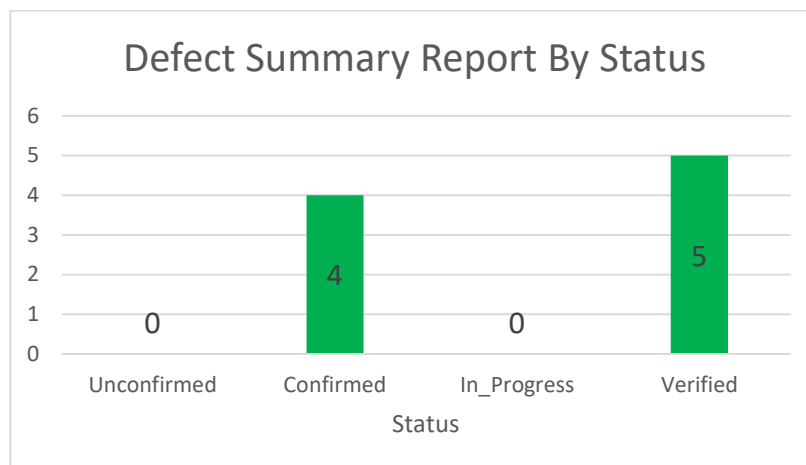
b. Defect Summary by Severity:

Total defects found:	**9**
Critical	4
Major	3
Normal	2
Minor	0
Blocker	0
Trivial	0
Enhancement	0
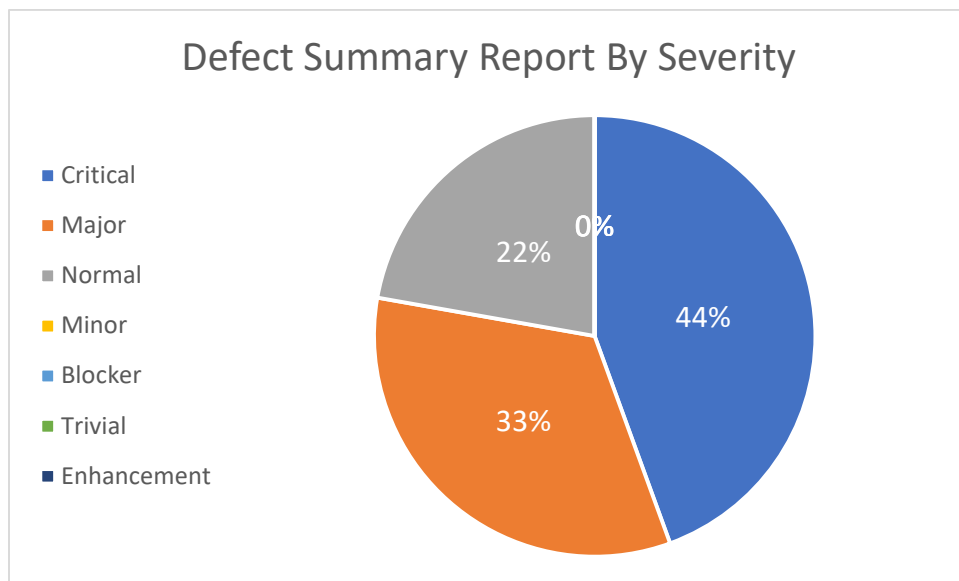
Conclusion:

100% planned test cases have been executed, with 75% test cases passed as expected and 25% test cases failed.

The defects related to these failed test cases reported in the bug reports in Bugzilla.

TEST CASES

Library-2 table

ISBN-13	Unique numeric digits (13 digits)
Title	Text, up to 60 characters, including blanks
Copyright	Year (4 digits)
Publisher	Text, up to 60 characters, including blanks
AuthorLast	Last name of author, up to 20 characters, including blanks
AuthorFirst	First name of author, up to 20 characters, including blanks
AuthorMI	Middle initial of author (optional)

Test Case 1: Attempt to enter a valid complete record into the database.

Steps: Steps to carry out the test.

No.	Details	Expected Results	Actual Results
1	Open the database, then open the Library table.		As expected
2	Click on the field "ID" > type in the 13 digits as follow: 9780849396403, then press tab.	Entry accepted	As expected
3	Continue in the field "Title" > type in the text "Software Testing", then press tab.	Entry accepted	As expected
4	Continue in the field "Copyright" > type in 4 digits: "2010", press tab.	Entry accepted	As expected
5	Continue in the field "Publisher" > type in "Pearson", press tab.	Entry accepted	As expected
6	Continue in the field "AuthorLast" > type in "Veenendaal", press tab.	Entry accepted	As expected
7	Continue in the field "AuthorFirst" > type in "Van", press tab.	Entry accepted	As expected
8	Continue in the field "AuthorMi" > type in middle initial: "E", press tab.	Entry accepted	As expected

Test Case 2:   Attempt to enter an invalid digit of ID into the database

Steps: Steps to carry out the test.

No.	Details	Expected Results	Actual Results
1	Open the database, then open the Library table.		As expected
2	Click on the field "ID" > type in the 9 digits: "978084939", then press tab.	Error – Entry not accepted	As expected
3	Back to the same field in step 2 > type in the 14 digits: "97808493964034", then press tab.	Entry not accepted, only display 13 digits	As expected

Test Case 3:   Attempt to enter a blank title into the database. **(Existing Bug 10)**

Steps: Steps to carry out the test.

No.	Details	Expected Results	Actual Results
1	Open the database, then open the Library table.	Entry accepted	As expected
2	Click on the field "ID" > type in the 10 digits: "9780849396", then press tab.	Entry accepted	As expected
3	Continue in the field "Title" > press tab to leave the Title blank.	Entry accepted	Entry not accepted
4	Continue in the field "Copyright" > press tab.	Entry accepted	As expected
5	Continue in the field "Publisher" > type in "Pearson", press tab.	Entry accepted	As expected
6	Continue in the field "AuthorLast" > type in "Veenendaal", press tab.	Entry accepted	As expected
7	Continue in the field "AuthorFirst" > type in "Van", press tab.	Entry accepted	As expected
8	Continue in the field "AuthorMi" > type in "Er", press tab.	Entry accepted	As expected

Test Case 4:   Attempt to enter a 60-character title into the database.

Steps: Steps to carry out the test.

No.	Details	Expected Results	Actual Results
1	Open the database, then open the Library table.	Entry accepted	As expected
2	Click on the field "ID" > type in the 10 digits: "9780849396", then press tab.	Entry accepted	As expected
3	Continue in the field "Title" > type in 60 characters: "SoftwareTestingSoftwareTestingSoftwareTestingSoftwareTesting", then press tab.	Entry accepted	As expected
4	Continue in the field "Copyright" > press tab.	Entry accepted	As expected
5	Continue in the field "Publisher" > type in "Pearson", press tab.	Entry accepted	As expected
6	Continue in the field "AuthorLast" > type in "Veenendaal", press tab.	Entry accepted	As expected
7	Continue in the field "AuthorFirst" > type in "Van", press tab.	Entry accepted	As expected
8	Continue in the field "AuthorMi" > type in "E", press tab.	Entry accepted	As expected

Test Case 5:   Attempt to enter a 61-character title into the database.

Steps: Steps to carry out the test.

No.	Details	Expected Results	Actual Results
1	Open the database, then open the Library table.	Entry accepted	As expected
2	Click on the field "ISBN-13" > type in the 13 digits as follow: 9780849396403, then press tab.	Entry accepted	As expected
3	Continue in the field "Title" > type in 61 characters: "SoftwareTestingSoftwareTestingSoftwareTestingSoftwareTestingS", then press tab.	Entry not accepted – only display 60 characters.	As expected

Test Case 6: Attempt to enter invalid copyright into the database

Steps: Steps to carry out the test.

No.	Details	Expected Results	Actual Results
1	Open the database, then open the Library table.		As expected
2	Click on the field "ISBN-13" > type in the 13 digits as follow: 9780849396403, then press tab.	Entry accepted	As expected
3	Continue in the field "Title" > type in the text "Software Testing", then press tab.	Entry accepted	As expected
4	Continue in the field "Copyright" > type in "a", press tab.	Entry not accepted – only digit number accepted.	As expected
5	In the same field "Copyright" > type in 5 digits "20100", press tab.	Entry not accepted – only accept 4 digits.	As expected

Test Case 7: Attempt to enter a blank publisher into the database. **(Existing Bug 13)**

Steps: Steps to carry out the test.

No.	Details	Expected Results	Actual Results
1	Open the database, then open the Library table.	Entry accepted	As expected
2	Click on the field "ID" > type in the 10 digits: "9780849396", then press tab.	Entry accepted	As expected
3	Continue in the field "Title" > type in the text "Software Testing", then press tab.	Entry accepted	As expected
4	Continue in the field "Copyright" > press tab.	Entry accepted	As expected
5	Continue in the field "Publisher" > press tab to leave the field blank.	Entry accepted	Entry not accepted
6	Continue in the field "AuthorLast" > type in "Veenendaal", press tab.	Entry accepted	As expected
7	Continue in the field "AuthorFirst" > type in "Van", press tab.	Entry accepted	As expected
8	Continue in the field "AuthorMi" > type in "Er", press tab.	Entry accepted	As expected

Test Case 8: Attempt to enter a 60-character publisher into the database.

Steps: Steps to carry out the test.

No.	Details	Expected Results	Actual Results
1	Open the database, then open the Library table.	Entry accepted	As expected
2	Click on the field "ID" > type in the 10 digits as follow: 9780849396, then press tab.	Entry accepted	As expected
3	Continue in the field "Title" > type in the text "Software Testing", then press tab.	Entry accepted	As expected
4	Continue in the field "Copyright" > press tab.	Entry accepted	As expected
5	Continue in the field "Publisher" > type in 60 characters: "PearsoPearsoPearsoPearsoPearsoPearsoPearsoPearsoPearso Pearso", press tab.	Entry accepted	As expected
6	Continue in the field "AuthorLast" > type in "Veenendaal", press tab.	Entry accepted	As expected
7	Continue in the field "AuthorFirst" > type in "Van", press tab.	Entry accepted	As expected
8	Continue in the field "AuthorMi" > type in "Er", press tab.	Entry accepted	As expected

Test Case 9: Attempt to enter a 61-character publisher into the database.

Steps: Steps to carry out the test.

No.	Details	Expected Results	Actual Results
1	Open the database, then open the Library table.	Entry accepted	As expected
2	Click on the field "ID" > type in the 10 digits as follow: 9780849396, then press tab.	Entry accepted	As expected
3	Continue in the field "Title" > type in the text "Software Testing", then press tab.	Entry accepted	As expected
4	Continue in the field "Copyright" > press tab.	Entry accepted	As expected
5	Continue in the field "Publisher" > type in 61 characters: "PearsoPearsoPearsoPearsoPearsoPearsoPearsoPearsoPearso", press tab.	Error – Invalid length – Entry not accepted	As expected

Test Case 10:   Attempt to enter author's last name up to 20 characters into the database.

Steps: Steps to carry out the test.

No.	Details	Expected Results	Actual Results
1	Open the database, then open the Library table.	Entry accepted	As expected
2	Click on the field "ID > type in the 10 digits as follow: 9780849396, then press tab.	Entry accepted	As expected
3	Continue in the field "Title" > type in the text "Software Testing", then press tab.	Entry accepted	As expected
4	Continue in the field "Copyright" > press tab.	Entry accepted	As expected
5	Continue in the field "Publisher" > type in "Pearson", press tab.	Entry accepted	As expected
6	Continue in the field "AuthorLast" > type in 20 characters: "VeenendaalVeenendaal", press tab.	Entry accepted	As expected
7	Continue in the field "AuthorFirst" > type in "Van", press tab.	Entry accepted	As expected
8	Continue in the field "AuthorMi" > type in "Er", press tab.	Entry accepted	As expected

Test Case 11: Attempt to enter author's last name up to 21 characters into the database

Steps: Steps to carry out the test.

No.	Details	Expected Results	Actual Results
1	Open the database, then open the Library table.	Entry accepted	As expected
2	Click on the field "ID" > type in the 10 digits as follow: 9780849396403, then press tab.	Entry accepted	As expected
3	Continue in the field "Title" > type in the text "Software Testing", then press tab.	Entry accepted	As expected
4	Continue in the field "Copyright" > press tab.	Entry accepted	As expected
5	Continue in the field "Publisher" > type in "Pearson", press tab.	Entry accepted	As expected
6	Continue in the field "AuthorLast" > type in 21 characters: "VeenendaalVeenendaalV", press tab.	Error – Invalid length – Entry not accepted	As expected

Test Case 12: Attempt to enter a blank last name of author into the database. **(Existing Bug 85)**

Steps: Steps to carry out the test.

No.	Details	Expected Results	Actual Results
1	Open the database, then open the Library table.	Entry accepted	As expected
2	Click on the field "ID" > type in the 10 digits as follow: 9780849396, then press tab.	Entry accepted	As expected
3	Continue in the field "Title" > type in the text "Software Testing", then press tab.	Entry accepted	As expected
4	Continue in the field "Copyright" > press tab.	Entry accepted	As expected
5	Continue in the field "Publisher" > type in "Pearson", press tab.	Entry accepted	As expected
6	Continue in the field "AuthorLast" > press tab to leave the field blank.	Entry accepted	As expected
7	Continue in the field "AuthorFirst" > type in "Van", press tab.	Entry accepted	As expected
8	Continue in the field "AuthorMi" > type in "Er", press tab.	Entry accepted	As expected

Test Case 13:   Attempt to enter author's first name up to 20 characters into the database**.**

Steps: Steps to carry out the test.

No.	Details	Expected Results	Actual Results
1	Open the database, then open the Library table.		As expected
2	Click on the field "ID" > type in the 10 digits as follow: 9780849396403, then press tab.	Entry accepted	As expected
3	Continue in the field "Title" > type in the text "Software Testing", then press tab.	Entry accepted	As expected
4	Continue in the field "Copyright" > press tab.	Entry accepted	As expected
5	Continue in the field "Publisher" > type in "Pearson", press tab.	Entry accepted	As expected
6	Continue in the field "AuthorLast" > type in "Veenendaal", press tab.	Entry accepted	As expected
7	Continue in the field "AuthorFirst" > type in 20 characters: "VanVanVanVVanVanVanV", press tab.	Entry accepted	As expected
8	Continue in the field "AuthorMi" > type in "Er", press tab.	Entry accepted	As expected

Test Case 14: Attempt to enter author's first name up to 21 characters into the database.

Steps: Steps to carry out the test.

No.	Details	Expected Results	Actual Results
1	Open the database, then open the Library table.	Entry accepted	As expected
2	Click on the field "ID" > type in the 10 digits as follow: 9780849396403, then press tab.	Entry accepted	As expected
3	Continue in the field "Title" > type in the text "Software Testing", then press tab.	Entry accepted	As expected
4	Continue in the field "Copyright" > press tab.	Entry accepted	As expected
5	Continue in the field "Publisher" > type in "Pearson", press tab.	Entry accepted	As expected
6	Continue in the field "AuthorLast" > type in "Veenendaal", press tab.	Entry accepted	As expected
7	Continue in the field "AuthorFirst" > type in 21 characters: "VanVanVanVVanVanVanVa", press tab.	Error – Invalid length – entry not accepted	As expected

Test Case 15: Attempt to enter a blank first name of author into the database **(Existing Bug 86)**

Steps: Steps to carry out the test.

No.	Details	Expected Results	Actual Results
1	Open the database, then open the Library table.	Entry accepted	As expected
2	Click on the field "ID" > type in the 10 digits as follow: 9780849396403, then press tab.	Entry accepted	As expected
3	Continue in the field "Title" > type in the text "Software Testing", then press tab.	Entry accepted	As expected
4	Continue in the field "Copyright" > press tab.	Entry accepted	As expected
5	Continue in the field "Publisher" > type in "Pearson", press tab.	Entry accepted	As expected
6	Continue in the field "AuthorLast" > type in "Veenendaal", press tab.	Entry accepted	As expected
7	Continue in the field "AuthorFirst" > press tab to leave the field blank.	Entry accepted	As expected
8	Continue in the field "AuthorMi" > type in "Er", press tab.	Entry accepted	As expected

Test Case 16:   Attempt to enter a blank middle name of author into the database (check 'optional')

Steps: Steps to carry out the test.

No.	Details	Expected Results	Actual Results
1	Open the database, then open the Library table.	Entry accepted	As expected
2	Click on the field "ID" > type in the 10 digits as follow: 9780849396403, then press tab.	Entry accepted	As expected
3	Continue in the field "Title" > type in the text "Software Testing", then press tab.	Entry accepted	As expected
4	Continue in the field "Copyright" > press tab.	Entry accepted	As expected
5	Continue in the field "Publisher" > type in "Pearson", press tab.	Entry accepted	As expected
6	Continue in the field "AuthorLast" > type in "Veenendaal", press tab.	Entry accepted	As expected
7	Continue in the field "AuthorFirst" > type in "Van", press tab.	Entry accepted	As expected
8	Continue in the field "AuthorMi" > press tab to leave the field blank.	Entry accepted	Entry not accepted

Test Case 17: Attempt to enter a full middle name of author into the database

Steps: Steps to carry out the test.

No.	Details	Expected Results	Actual Results
1	Open the database, then open the Library table.	Entry accepted	As expected
2	Click on the field "ID" > type in the 10 digits as follow: 9780849396, then press tab.	Entry accepted	As expected
3	Continue in the field "Title" > type in the text "Software Testing", then press tab.	Entry accepted	As expected
4	Continue in the field "Copyright" > press tab.	Entry accepted	As expected
5	Continue in the field "Publisher" > type in "Pearson", press tab.	Entry accepted	As expected
6	Continue in the field "AuthorLast" > type in "Veenendaal", press tab.	Entry accepted	As expected
7	Continue in the field "AuthorFirst" > type in "Van", press tab.	Entry accepted	As expected
8	Continue in the field "AuthorMi" > type in full middle name: "Erick", press tab.	Entry Not accepted, only display middle initial.	As expected