

**Object Oriented Analysis and Design with Software Engineering
Laboratory**

Subject Code: UE18CS355

TEST REPORT

TEAM NUMBER: 5

BOOK MANAGEMENT SYSTEM

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Contribution : View/Manage books ~ Nikhil JK

Issue/Return books ~ Ishan Padhy

Fine Calculation ~ Waris K R

Stock Verification ~ Contributed by all

Purpose

This *Unit, Integration and System* Test Report provides a summary of the results of tests performed as outlined within this document.

Test plan

1. For unit testing, we will be testing major or important functions that we have implemented in the software.
2. Integration testing is a level of software testing where individual units / components are combined and tested as a group. The purpose of this level of testing is to expose faults in the interaction between integrated units.
3. For system testing, we will be running tests for some of the major functionalities/ features of the software.

Functionalities

1. View/Manage books
2. Issue/Return
3. Fine calculation
4. Stock verification

TEST CASES

Test Case ID	Name of Module	Test case description	Pre conditions	Test steps	Test data	Expected results	Actual Result	Test result
UT_01	View/Manage books	To add a book of an Id that Already exists	1.login id-Sadmin 2.password-admin 3.After entering the adminmode 4.a book with an id	1.Open console 4.Add resource 5.book/jornal 6.Enter a book with existing ID	(Enter an existing id)	Does not accept and asks again to input id	Does not accept and asks again to input id	PASS
UT_02	View/Manage books	To add a book of an Id is new	1.After entering the admin mode	1.Open console 2.Add resource 3.book/jornal 4.Enter a book with a new ID	(Enter a new fresh id)	Accepts new entry	Accepts new entry	PASS
UT_03	View/Manage books	To search for a book (with correct id)	After entering the admin mode	1.open console 2.login id -Sadmin 3.password-admin 4.view resource 4.search with id	(Entering a correct id)	Shows the resource	Shows the resource	Pass
UT_04	View/Manage books	To search for a book (with wrong id)	After entering the admin mode	1.open console 2.view resource 3.search with id	(Entering a wrong id)	No such resource exists, try again	No such resource exists, try again	Pass
UT_05	View/Manage books	To search for a book (with correct name)	After entering the admin mode	1.open console 2.view resource 3.search with id	(Entering a correct name)	Resource is found	Resource is found	Pass
UT_06	View/Manage books	To search for a book (with wrong name)	After entering the admin mode	1.open console 2.view resource 3.search with book name	(Entering a wrong name)	No such resource exists, try again	No such resource exists, try again	Pass
UT_07	View/Manage books	To delete a book (with correct id)	After entering the admin mode	1.open console 2.Remove resource 3.Enter Resource ID	(Entering correct id)	Deletes the book	Deletes the book	Pass
UT_08	View/Manage books	To search for a book (with wrong id)	After entering the admin mode	1.open console 2.view resource 3.search with id	(Entering a wrong id)	No such resource exists, try again	No such resource exists, try again	Pass

UT_9	issue/ return	To issue an existing book	To be inside admin mode(issue)	1.Open console 2.issue resource 3.enter resource information	Enters correct book-id and required details	Book issued	Book issued	PASS
UT_10	issue/ return	To issue a book with wrong id or name	To be inside admin mode(issue)	1.Open console 2.issue resource 3.enter resource information	Enter incorrect book-id	Book not found, try again	Try again	PASS
UT_11	issue/ return	To issue with wrong format of date	To be inside admin mode(issue)	1.Open console 2.issue resource 3.enter resource Id 4.enter user Id	11-09/2310	return date not valid, try again	return date not valid, try again	PASS
UT_12	issue/ return	To issue book with incorrect credentials of user	To be inside admin mode(re-issue)	1.Open console 2.issue resource 3.enter resource Id 4.enter user Id	Incorrect user-id entered	Incorrect credentials, try again	Incorrect credentials, try again	PASS
UT_13	issue/ return	To return book with incorrect date (return date before issue date)	To be inside admin mode(re-issue)	1.Open console 2.return resource 3. Enter resource id 4.enter user id 5.enter return date	12-10-2010 (issue date is after this date)	return date not valid, try again	return date not valid, try again	PASS
UT_14	issue/ return	To return book with correct credentials	To be inside admin mode(return)	1.Open console 2.return resource 3Enter resource id 4.enter user id 5.enter return date	Entering correct credentials	Book returned	Book returned	PASS
UT_15	issue/ return	To return book with incorrect credentials (wrong book id)	To be inside admin mode(return)	1.Open console 2.return resource 3Enter resource id 4.enter user id 5.enter return date	Incorrect bookid entered	Book not found, try again	Try again	PASS
UT_16	issue/ return	To return book with incorrect date	To be inside admin mode(return)	1.Open console 2.return resource 3Enter resource id 4.enter user id 5.enter return date	1, 001) 120-10-2010	Incorrect date, try again	Incorrect date, try again	PASS
UT_17	issue/ return (renew)	To renew the book with correct credentials	To be inside admin mode(issue)	1.Open console 2.renew resource 3Enter resource id 4.enter user id 5.enter return date	Enters correct book-id and required details	Book renewed	Book renewed	PASS
UT_18	issue/ return (renew)	To renew the book with incorrect credentials	To be inside admin mode(issue)	1.Open console 2.issue resource 3.enter resource information	Enters incorrect book-id and required details	Invalid input, try again	Invalid input, try again	PASS
UT_19	fineCalculation	To check the dues	Open see user history	After entering, All users details are given with their amount due	Op-9 (to enter into see user history inorder to see fines)	Fine calculate = 25 rupees (just an example)	Fine calculate = 25 rupees (just an example)	PASS
ST_20	fineCalculation (with system)	Login	-No precondition	Entering the correct credentials	username-S admin	System logs in	System logs in	PASS

				(username, password)	password-admin			
ST_21	fineCalculation (with system)	Login (incorrect input)	-No precondition	Entering the incorrect credentials (username, password)	username-S admin Password-wrong pass	Invalid input	Invalid input	PASS
IT_22	fineCalculation (with return)	To Enter incorrect date of return	Assumed that correct issue date entered	On return, entering a invalid date of return	132-10-2010	Wrong date, try again	Wrong date, try again	PASS
IT_23	fineCalculation (with return)	To Enter correct date of return	Assumed that correct issue date entered	On return, entering a valid date	13-101-2010	Systems continues normally (fine calculated, in see user history)	Systems continues normally (fine calculated, in see user history)	PASS
UT_24	fineCalculation (with return)	To Enter incorrect year of return, but issue date was wrong(before return)	Assumed that correct issue date entered	On return, entering a invalid date	13-10-2001	Wrong date, try again	System exits	PASS
UT_25	Stock verification	To check book stock	Login as admin	1.Open console 2.Enter login credentials 3.View all resources	We enter the correct number to select view all resource option	Complete details of book including stock of the book	Complete details of book including stock of the book	PASS
UT_26	Stock verification	To check book details including stock	Login as admin	1.Open console 2.Enter login credentials 3.See resource history	We enter the correct book id in the see resource history	Complete details of book including stock of the book	Complete details of book including stock of the book	PASS
UT_27	Stock verification	To check book details including stock(book id entered)	Login as admin	1.Open console 2.Enter login credentials 3.See resource history	We enter the incorrect book id in the see resource history	Resource not found	Resource not found	PASS
UT_28	Stock verification	To check book details including stock(book title entered)	Login as admin	1.Open console 2.Enter login credentials 3.see resource	We enter the correct book title in the see resource history	Complete details of book including stock of the book	Complete details of book including stock of the book	PASS
UT_29	Stock verification	To check book details including stock(book title entered)	Login as admin	1.Open console 2.Enter login credentials 3.View all resources	We enter the incorrect book title in the see resource history	Resource not found	Resource not found	PASS

UT_30	Stock verification	To check book details including stock(author name entered)	Login as admin	1.Open console 2.Enter login credentials 3.View all resources	We enter the correct author name in the see resource history	Complete details of book including price of the book	Complete details of book including price of the book	PASS
UT_31	Stock verification	To check book details including stock(author name entered)	Login as admin	1.Open console 2.Enter login credentials 3.View all resources	We enter the incorrect author name in the see resource history	Resource not found	Resource not found	PASS