

Library Management System-Test Cases

<u>Testcase ID</u>	<u>Description</u>	<u>Procedure</u>	<u>Data</u>	<u>Expected result</u>	<u>Actual result</u>	<u>Pass/Fail</u>
LMS 01	Check admin with valid passcode	1.Enter pin 2.Validate	Pin=1234	Admin should be able to login to LMS	As expected	pass
LMS 02	When access failed for admin for wrong passcode	1.Enter pin 2.Not Validated 3.Retry 4.Access is blocked	If code attempts exceeds 3 times account will be blocked	Admin will not be able to login	As expected	Pass
LMS 03	Admin menu	1.Add books 2.Display 3.Delete 4.Search 5.Return 6.Issue book	Access is given to admin to perform required function	Admin should be able to modify data of LMS	As expected	Pass
LMS 04	Add books	Books are added to database	Books details are given along with bookname, bookid and author name	Books should be Added to library successfully	As expected	Pass
LMS 05	Display Books	Books are displayed	Books details within the database are displayed	Books are displayed successfully	As expected	Pass
LMS 06	Delete Books by bookid	1.enter bookid 2.search book by bookid 3.Delete book from database if found 4.Else give as book not found	Id=Book_Id	Book should be deleted from database	As expected	Pass
LMS 07	Delete books by bookname	1.enter book name 2.search book by book name 3.Delete book from database if found 4.Else give as book not found	name=Book name	Book should be deleted from database	As expected	Pass
LMS 08	Search books by book Id	1.enter book Id 2.search book by book Id 3.Display book details if found 4.Else give as book not found	Id=Book Id	Book details should be searched and displayed from database	As expected	Pass

LMS 09	Search books by book name	1.enter book name 2.search book by book name 3.Display book details if found 4.Else give as book not found	Name=Book name	Book details should be searched and displayed from database	As expected	Pass
LMS 10	Search books by book author	1.enter book author name 2.search book by book author name 3.Display book details if found 4.Else give as book not found	Name=Author name	Book details should be searched and displayed from database	As expected	Pass
LMS 11	Return books	1.Enter book issued and returned date 2.Checked whether penalty is applied or not 3.If penalty is applied amount should be paid based on delay 4.Returned book details are entered	1.Book Issued date 2.Book Returned date 3.Current date 4.Book details	Issued book is collected from the user and penalty is checked and book data is added to database	As expected	Pass
LMS 12	Issue Books	Student details Enter student details to whom book is issued	1.Book Id 2.Student Id 3.Book name 4.Student name 5.Student branch	Student details are entered to database(text.txt) successfully	As expected	Pass
LMS 13	Display Issued books	Displays data from database	Displays student details within issued books details from database	Data displayed successfully	As expected	Pass
LMS 14	Search Issued books	1.Enter book Id 2.Search Issued book from database using book Id 3.Display data if book found else not found is displayed	Id=Book Id	Book is searched and details of book and student are displayed successfully	As expected	Pass

LMS 15	Student Menu(Search)	1.enter book Id/Book name/Author name 2.search book by book Id/Book name/Author name 3.Display book details if found 4.Else give as book not found	Id=Book Id (or) Name=Book name (or) Author=Author name	Book should be searched and data should be displayed successfully	As expected	Pass
LMS 15	Student Menu (Display)	Books are displayed	Books details within the database are displayed	Books are displayed successfully	As expected	Pass