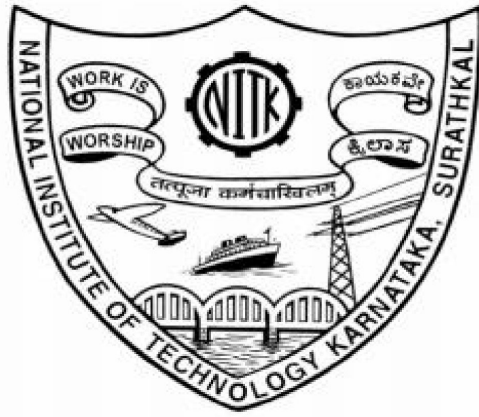# NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

Department of Information Technology

Software Engineering (IT350)

Library management system

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Test cases for library management system :

Test focus	Test description	Pre & post conditions	Test steps	Test data	Expected result	Actual result	Test results
1.Admin/ User Login	To check for login functionality	Xampp control should be instart mode	a.Open the browser b.Enter the url c.Enter UID and password d.Enter the verification code	Correct verification code: 1.correct UID , correct password 2.correct UID , wrong password 3.wrong UID, correct password 4.wrong UID , wrong password	1.login 2.no login 3.no login 4.no login	1.login 2 no login 3.no login 4.no login	1.pass 2.pass 3.pass 4.pass
				Wrong verification code: 1.Right username right password	1.Doesn't login	1.Doesn't login	1.Pass
				2.Right user name wrong password	2.Doesn't login	2.Doesn't login	2.Pass
				3.Wrong username right password	3.Doesn't login	3.Doesn't login	3.Pass
				4.Wrong username wrong password	4.Doesn't login	4.Doesn't login	4.Pass
				5.Any field is left empty	5.Has to notify that there is an empty field	5.Notifies empty field	5.Pass
2.User sign up	To check whether the new user sign up page is working or not	Xampp control should be in start mode	a.Open the browser b.Enter the URL for LMS c.Click on the user signup button or register link under user login page	1.All the fields are filled properly and verification code is correct 2.Any of the fields are empty and the verification code is correct	1.Create a new account success-fully 2.Should notify that some fields are empty	1.A new account is created success-fully 2.Notifies that the fields are empty	1.Pass 2.Pass

				3.All the fields are filled properly and verification code is wrong	3.Should not create a new account	3.Notifies that there are invalid fields	3.Pass
				4.Any of the fields is empty and the verification code is wrong	4.Should notify that there are empty fields	4.Notifies that there are empty fields	4.Pass
				5.If verification code field is empty	5.Should notify that the verification code field is empty	5.Notifies that the verification code field is empty	5.Pass
3.User Dash-board	To check for the user dashboard page	User should be logged in	a.click on the dashboard button after logging in	1.Enter valid UID and password	1.has to open the user dash-board	1.Opens the user dash-board	1.Pass
				2.Enter invalid UID or Password	2.Shouldn't open dash-board	2.Doesn't open dash-board	2.Pass
4.User profile	To check for user's profile (make any changes if necessary)	User should be logged in	a.Click on the account button b.Click on the 'My profile' button	1.Fill the necessary fields	1.Has to open the profile page of the user	1.Opens the user profile page	1.Pass
				2.Leave some fields empty	2.prompt to fill fields	2.prompt to fill fields	2.Pass
5.Admin Dash-board	To check for the admin dashboard page	Admin should be logged in	a.click on the dashboard button after logging in	1.Enter valid UID and password	1.has to open the admin dash-board	1.Opens the admin dash-board	1.Pass
				2.Enter invalid UID or Password	2.Shouldn't open dash-board	2.Doesn't open dash-board	2.Pass
6.change User /Admin password	to change the password for user's	User /admin should be logged in	a.Click on 'account' button b.click on 'change	1.Enter correct Current Password and New password	1.Has to change password of user	1.Changes User password	1.Pass

			password' button c.enter current password d.enter new password	2.Enter Wrong Current Password and New password	2.Should n't change the password	2.Doesn't change the password	2.Pass
7.Add Category	To check Addition of Category of books to db	Admin should be logged in	a. Go to 'Category' button on admin page b.Click 'Add Category' c. Enter necessary fields d. Click on 'Create' button	1. Enter all the fields

2. Leave some fields empty | 1.Categor y added to menu

2.No addition of book | 1.Category added to menu

2. .No addition of book | 1. Pass

2. Pass |
| 8.Adding Books to menu | To check for successful addition of books to database by admin | Admin should be logged in | a. Go to 'Books' button on admin page b.Click 'Add Book' c. Enter necessary fields d. Click on 'add' button | 1. Enter all the fields

2. Leave some fields empty | 1.book added to menu 2.No addition of book | 1. Book added to menu 2. .No addition of book | 1.Pass

2. Pass |
| 9.Issue Books | To issue books to the user | Admin should be logged in | a. Go to 'Issue Books' button on admin page b. Enter student id and book name/ISBN number d. Click on 'issue book' button | 1.Student should already have registration id number,correct ISBN no.

2.Student doesn't have registration id number,correct ISBN no.

3.Correct Student id,wrong ISBN no.

4.wrong student id,wrong ISBN no. | 1.Issues book to regisered student

2.Shows invalid student id

3.Invalid ISBN

4.Invali d SID,Invali d ISBN no. | 1.Issues book to regisered student

2.Shows invalid student id

3.Invalid ISBN

4.Invalid SID,Invalid ISBN no. | 1.Pass

2.Pass

3.Pass

4.Pass |

10.Retur n Books	to return issued books	Admin should be logged in	a. Go to 'Issue Books' button on admin page b.Click on 'manage issued books' button c.enter fine d.click 'return book'	1.All fields should be filled	1.Should update student book return history in db	1.updates student book return history in db	1.Pass
11.book Return history and fine details by user	To check the issue,retur n and fine history of books by the user	User should be logged in	a.Click on the 'issued books' button		1.Has to open the issued of books page	1.Opens the issue of books page	1.Pass
12.Log out	to check log out functionalit y of user/admin	user/admin should be logged in	a.click on 'log me out' button on user/admin page		1.has to log out and come to home page	1.logs out and comes to home page	1.pass