Assignment #5

Name :- T.udaykiran
Reg. no :- 191911098
Batch :- CSE
Subject :- Soft (CSA3741 — Software testing
for business management.

5) & Create a test case for library Management System.

A) Test Case: Adding a New book to the library Management System.

Functional Test

Test Case :- Verify that a new book can be added to the library Management System.

Pre Condition :- User is logged in as an admin.

Test Case Steps

a) Navigate to the "Add New Book" section.

b) Enter valid details for the new book

c) & Click on the "Add Book" button

Expected Result: The book should be successfully added to the system.

Pass/Fail Criteria: If the book is added successfully, the test case passes. If there's an error or the book is not added, the test case fails.

Non-Functional Tests:

Test case Description: Verify the system's performance when adding a new book.

Preconditions: User is logged in as an admin.

Test step

- a) Measure the time taken to add a new book.
- b) Repeat the process with a large number of simultaneous users.

Expected Result:
The system should maintain acceptable response times under various user loads.

Pass/Fail Criteria: If the system responds within an acceptable time limit, the test case passes. If the response time is too slow or the system crashes, the test case fails.

Another Test case

Test Case Description: Verify that duplicate books cannot be added.

Pre Conditions: User is logged in as an admin.

Test steps:

Attempt to add a book that already exists in the system.

Expected Result: the system should display an error message indicating that the book already exists.

Pass/Fail Criteria: - If the system prevents the addition of duplicate books and displays the correct error message, the test case passes.