CITS 5501

Workshop 1

MANUAL GENERATION OF TEST CASES
Test Case

• A test case is a set of conditions or variables under which a tester will determine whether an application or software system is working correctly as per the specifications.
Test Suite

• A test suite is a collection of test cases.

• Test suite contains positive and negative test scenarios.
  – Positive test scenarios used to check if the application behaves correctly during the normal conditions.
  – Negative test scenarios determines how the application behaves after inputting the incorrect value or after performing unusual activities.
Test case format

Typical test case is composed of:

- Test case ID.
- Prerequisites.
- Test step or order of execution number.
- Test data.
- Steps to perform / description.
- Test category: smoke testing/ full cycle testing.
- Author.
- Check boxes for whether the test can be or has been automated.
- Actual result.
- Desired result.
- Pass/Fail.
- Test Scenario (Positive/Negative).
- Comments.
Documentation

• The test steps can be stored in a word processor document, spreadsheet, database or other common repository.

• Tools for generating manual test scenarios:
  – Test-Link.
    • Test-Link breaks down the test specification structure into test suites and test cases.
Sample test case format

• Prerequisites.
  – Assumptions that must be met before the test case can be run.
    
    E.g., “logged in”, “guest login allowed”.

• Test Data.
  – List of variables and their possible values used in the test case.
    
    e.g.: loginID = {Valid loginID, invalid loginID, valid email, invalid email, empty}

    password = {valid, invalid, empty}
Sample test case format

• Steps to carry out the test.
  – Visit login page.
  – Enter user ID.
  – Enter password.
  – Click login.
  – Click agree radio button at page bottom.
  – Click submit button.
  – Verify that welcome message is showing correct username.