

Homework 4 - Writing Test Procedures

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Due Sunday by 11:59pm **Points** 100 **Submitting** a file upload
Available Oct 17 at 12am - Nov 21 at 11:59pm about 1 month

Using your the code you wrote for Project 3 and the requirements you had, write test steps that show that the program has met the requirements. You may fix old bugs or improve the code if you wish.

FYI...it is alright if you fail a test step or two. Just make sure you document the results.

Template found in the Files section. File Name: Test-case-example.doc (Word)

You will write and also run the test.

Here's some words about the fields:

Below are the standard fields of sample test case template:

Test case ID: Unique ID for each test case. Follow some convention to indicate types of test. E.g. 'TC_UI_1' indicating 'user interface test case #1'.

Test priority (Low/Medium/High): This is useful while test execution. Test priority for business rules and functional test cases can be medium or higher whereas minor user interface cases can be low priority. Test priority should be set by reviewer.

Module Name – Mention name of main module or sub module.

Test Designed By: Name of tester

Test Designed Date: Date when wrote

Test Executed By: Name of tester who executed this test. To be filled after test execution.

Test Execution Date: Date when test executed.

Test Title/Name: Test case title. E.g. verify login page with valid username and password.

Test Summary/Description: Describe test objective in brief.

Pre-condition: Any prerequisite that must be fulfilled before execution of this test case. List all pre-conditions in order to successfully execute this test case.

Dependencies: Mention any dependencies on other test cases or test requirement.

Test Steps: List all test execution steps in detail. Write test steps in the order in which these should be executed. Make sure to provide as much details as you can. Tip – to efficiently manage test case with lesser number of fields use this field to describe test conditions, test data and user roles for running test.

Test Data: Use of test data as an input for this test case. You can provide different data sets with exact values to be used as an input.

Expected Result: What should be the system output after test execution? Describe the expected result in detail including message/error that should be displayed on screen.

Post-condition: What should be the state of the system after executing this test case?

Actual result: Actual test result should be filled after test execution. Describe system behavior after test execution.

Status (Pass/Fail): If actual result is not as per the expected result mark this test as failed. Otherwise update as passed.

Notes/Comments/Questions: To support above fields if there are some special conditions which can't be described in any of the above fields or there are questions related to expected or actual results mention those here.

NOTE: Please use as more test steps as necessary to show that your code MET/NOT MET the requirement. Don't assume that since the test example has only a few steps that is all you need. Also, I suggest you write one test case per requirement or if a few requirements.