Test Case Writing

Basic parts of a Test Case

- Description/Condition: States what the Test Case is intended to Test
- Test Steps:
    - Direction/Instruction
    - Expected Results: Should be written in the present or future tense
    - Actual Results: Entered at execution time only. Should be written in the present or past tense.
    - Pass/Fail evaluation

When possible, the Expected Results should DIRECTLY relate to the Condition being tested. In other words, even though you most likely have to 'log in' to the system to start the test – there is NO need to have things like 'Log-in successful' in the expected results of every test case – UNLESS you are actually TESTING the log-in functionality.

Other useful information in the Description of a Test Case

- Pre-requisites: Are they any other TCs which need to have been executed (or have passed) prior to executing this one? Or is there any system attribute that needs to exist/be turned on before execution?
- Test Data: What data needs to be entered into the system prior to executing this test
- Requirement: What Functional Requirement(s) is this TC testing?

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Test Case Examples:

1.

Test Description: Verify that Customer name, username and password can be modified.

Test Data Pre-requisites: At least one Customer record is present in the system.

Step 1	Login to the system with an existing Customer username. Navigate to the Customer information area and click Edit.
Expected Results:	Customer Information Edit screen is available.
Step 2:	In the name tab, enter a new Name, Username and password and click Save
Expected Results:	Information is accepted
Step 3:	Log out of the system and log back in again with the new username and password.
Expected Results:	New Username and password are accepted for login
Step 4:	Navigate to the Customer Information area and examine the Name
Expected Results:	The Name is the same as entered in Step 2.

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2.

Test Description: Verify that during address entry, entering a Zip Code auto-populates the State and City.

Test Data Pre-requisites: At least one Customer record is present in the system.

Step 1	Navigate to Login Page. Enter Login information.
Expected Results:	Login successful
Step 2:	In opening screen click, Customer information
Expected Results:	Customer Information screen displays
Step 3:	In the name tab, enter a new name, username and password information and click Save.
Expected Results:	Information is accepted
Step 4:	In the address entry tab, enter a Street Number and Name, and a Zip Code and click Enter.
Expected Results:	City and State information is populated correctly, and information is accepted.

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3.   Test Case 2 written in a BETTER way!

Test Description: Verify that during address entry, entering a Zip Code auto-populates the State and City.

Test Data Pre-requisites: At least one Customer record is present in the system.

Step 1	Login to the system with an existing Customer username. Navigate to the Customer information area and click Edit.
Expected Results:	Customer Information screen displays
Step 2:	In the address entry tab, enter a Street Number and Name, and a Zip Code and click Enter.
Expected Results:	City and State information is populated correctly, and information is accepted.