**What is a Test Case?**

A **test case** consists of a certain set of conditions that need to be checked to **test** an application or software.

A **test case template** is a document that comes under one of the test artifacts which allows testers to develop the test cases for a particular test scenario in order to verify whether the features of an application are working as intended or not.

**Test Artifact:**

* **Test Artifacts** are simply integral part of software testing.
* These are generally set of documents, which software project tester gets during STLC (Software Testing Life Cycle). (is a systematic approach to testing a software application to ensure that it meets the requirements and is free of defects. )
* Test artifacts are by-products that are generated or created while performing software testing.
* These generated test artifacts are then shared with clients and testing team or team managers, team leaders, stakeholders associated with project, and also with members of other team.

**Who Writes Test Cases?**

It varies from company to company. Assuming that a team contains developers and dedicated testers then it might be something like a joint effort.

* Developers write Unit Tests(individual components)
* Developers & Testers write Integration Tests(two software units or modules)
* Testers write Acceptance Tests(last phase for product testing)

**Test Scenario:**

Test Scenario gives the idea of what we have to test. Test Scenario is like a high-level test case.

Test Scenario -- “**What to be tested**”

Assume that we need to test the functionality of a login page of Gmail application. Test scenario for the Gmail login page functionality as follows:

**Test Scenario Example:** Verify the login functionality.

#### **What is a Test Case?**

Test cases are the set of positive and negative executable steps of a test scenario which has a set of pre-conditions, test data, expected result, post-conditions and actual results.

Test Case -- “**How to be tested**”

Assume that we need to test the functionality of a login page of Gmail application. Test cases for the above login page functionality as follows:

**Test Case Examples:**

**Test Case 1:** Enter valid User Name and valid Password  
**Test Case 2:** Enter valid User Name and invalid Password  
**Test Case 3:** Enter invalid User Name and valid Password  
**Test Case 4:** Enter invalid User Name and invalid Password

General Test Case Template

