TEST CASE

Test case is a document that covers all possible scenarios for a specific requirement.
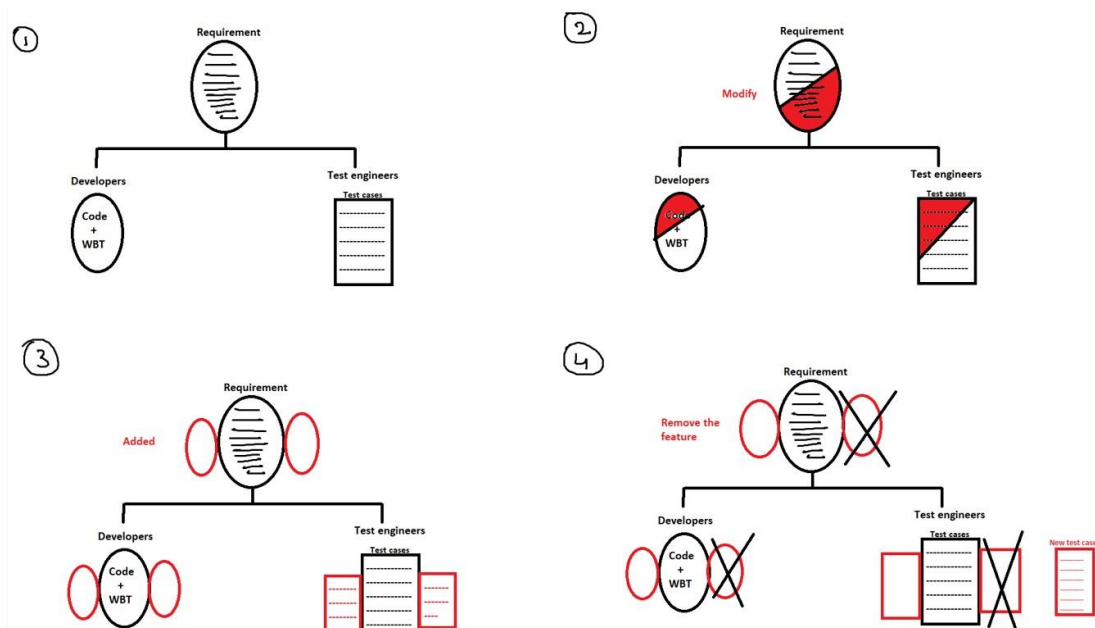
It contains different sections like Step number, Input, Expected result, Actual result, Status, and Comments.

What is the drawback of seeing the requirements and testing the software?

1. There will be no consistency in testing if you look into requirements and test the software.
2. Quality of testing varies from person to person
3. Quality of testing depends on the memory power of the test engineer.
4. Quality of testing depends on the mood of the T.E.

When do we write test case?

1. When developers are busy in building the product, the testing team will be busy writing the test cases.
2. When the developers will modify or change the feature, parallelly T.E. will modify or change the test cases.
3. When the developers will add the features parallelly test engineers will add new test cases.
4. When the customer is removing the requirement, developers will remove the feature, and parallelly test engineer will remove the test cases to make sure that features are removed from the s/w or not.

Why do we write Test cases?

1. We write test cases to have better test coverage.
    a. When the requirement comes in developers are busy building the product same time test engineers are free, so they identify all possible scenarios and document it.
    b. When the build comes we can spend time executing the scenarios, because of this no. of scenarios that you are covering will be more.
2. To have consistency in test execution.
    a. It means if you have documented the scenarios, you can make sure that you are executing all the scenarios in all the test cycles, sprints, or releases.
3. To depend on the process rather than person.
4. To avoid training every new engineer on the product or on the requirement.
5. Test case is the only document that acts like as proof for customer, development team, and also manager that we have covered all possible scenarios.
6. Test case acts like a base document for writing automation scripts, if you refer to the test case and write automation scripts you can ensure the same kind of coverage even in automation.
7. If you documented the test case, no need to remember the scenarios.
8. If you have documented the test cases, test execution happens in a very organized way.
9. If you have documented the test cases, the time taken to execute is much less.

(4-5 points is enough)

Difference between test case & test scenarios:

Test scenarios	*Test cases*
▢ It is a high-level document of all the customer business workflow according to the customer's requirement.	▢ It is a detailed document of the scenario that helps us to test the application.
▢ We write Test scenarios by looking into the requirements.	▢ We write test cases by looking into both requirement and test scenarios.
▢ By looking into test scenarios, we can't test any application until you have good product knowledge.	▢ We can test any application by looking at the test case, no matter if you have product knowledge or not.

▢ Here we mention what to test.	▢ Here we mention how to test.

TEST CASE TEMPLATE

- Every TE will write test case in Test case Template only
- Test Case can be prepared in "Test Case Management Tool" or "MS Excel"
- ➢ Test case template is divided into 3 sections:
    1. Header
    2. Body
    3. Footer

How to fill the header?

1. *Testid:*
   Format: test case name _number
   <u>Ex:</u> FT_101

2. *Requirement Number:*
   BA when he converts CRS to SRS, in SRS for each requirement he will write the requirement no.
   <u>Ex:</u> 30.1 Amount Transfer
   > 30.1.1 FAN text field
   > 30.1.2 TAN text field
   > 30.1.3 Amount text field

3. *Test data:*
   It is the data written by a TE and has to be done before the test execution.
   <u>Ex:</u> TE should have UN, PWD, URL, a/c number

4. *Pre-condition:*
   It is a set of actions or settings which should be ready/done by TE before executing the 1 st test case.
   <u>Ex:</u> User should have balance in his account.

5. *Severity:*

TE will give severity for every individual test case, based on how important and complex the feature is from customer's point of view. TE will execute test case based on severity.

There are 3 types of severity for Test cases: Critical/ Major/ Minor

Features	Test case	Severity	Order of execution
Login	TC 1	Critical	TC 1
Drafts	TC 2	Major	TC 5
Inbox	TC 3	Critical	TC 3
Trash	TC 4	Minor	TC 2
Compose	TC 5	Critical	TC 4

6. *Test case type:*

Here the TE mention what type of test case he is writing.

Ex: Functionality test case, Integration test case, system test case.

7. *Brief Description:*

It describes about the complete test case and the behavior of the test case.

Ex: In the amount transfer module, it should accept only +ve integers.

How to fill the footer?

1. Author: Person who writes the test case

   Ex: Dinga

2. Reviewer: Person who reviews the test

   case Ex: Dingi

3. Approved by: Person who approves the

   test case Ex: Test lead

4. Approval date:

   Ex: 01-01-2023