TEST CASES & TEST DATA

**Test environment:**

* Also involves hardware and software configuration
* Helps to create identical environments for the system and also provides isolation

***Key elements for creating the test environment:***

* Create a test data and uplaodit in test bed.
* Set up the database
* Set up the environment
* Hardaware, os and n/w selection

Different environments:

* Dev- developers environment
* QA/test – for testers
* CERT/UAT/STAGING – for testers BA’S clients
* Production – for end users

**TEST DATA**

* Can be recorded for reuse or discarded after the use.

1. Normal use
2. Border line / extreme data
3. Invalid

**TEST CASES**

* SET OF ACTIONS TO BE PERFORMED AND THE EXPECTED RESULTS.
* FORMAT : ID-UNIQUE
* DESCRIPTION -BRIEF DESCRIPTION.
* PRE-REQUISITES AND THE INPUTS.
* TEST STEPS
* EXPECTED RESULTS.
* ACTUAL RESULTS
* STATUS-FAIL/SUCCESS

CATEGORIES : POSTIVE -accept positive AND NEGETIVE TEST CASES- reject neg

Best practices

e.g:

1. user name required- empty

2. alphabets lowercase-uppercase then failure

3. characters failure

4. only alphabets

5. only numbers

valid:

6. alphanumeric, len(<0) , alphabets-> lower case.

**Requirement to test cases.**

* For each of the entered conditions build the use case.
* Condition starts from being able to enter the website, display of all the required elements, then the condition to test.

**TEST EXECUTION**

Reports needs to be sent:

* Person wise daily execution report: helps to manage the test progress.
* Weekly status report – is sent to the management team.
* Test summary report- total number of test cases etc. after completion of the test cases.

**Design strategies :**

* analyse all the fields impacted by the change.
* Analyse all the functional requirements.
* Complex,- frequently use and >10 test cases medium, low

TEST EXECUTION

DEFECT STATUS REPORT : TOTAL NUMBER OF DEFECTS THE TEAM HAS RAISED TILL NOW.

DEFECT LOG: INDIVIDUAL DEFECT DESCRIOTUIN (DETAILS ON DEFECTS AT HIGH LEVEL.