

## # Sanity Testing :- [Zero level Testing, Build Verification Testing, Tester acceptance Testing]

- Sanity Testing includes executing key end to end functional test cases.
- Sanity testing focuses on one or few areas of the application.
- Where a small set of test cases are executed first to check the overall health of the build before test execution starts.
- The aim of sanity testing is to check the Basic / core functionality of the application.
- Basic functions are get tested in the application but cannot be logged in sanity testing.
- Here in sanity testing only High risk / critical errors are get documented or logged by the testers.
- After the completion of Integration testing this sanity Testing is or we can say that **Build Verification Testing** is start.
- In this sanity testing testers as well as Database Analyst i.e (DBA) also involves.
- In that test environment DBA insert code and that we called it as "**Run the Build**".
- After creating test Environment tester do testing and aim is that system should generate desired output.
- In sanity Testing Tester do focus on Validations parts they are as:-
  - 1) Basic core functionality
  - 2) Tab validation
  - 3) Link validation
  - 4) Page validation
  - 5) GUI Validation

### 1) Basic core Functionality :-

- In this Basic core functionality test, tester checks the buttons, Icons from which user can proceed for next stage.

example:- If there is 'ok' button for Terms and Condition Notification then tester test that 'ok' button is in working or Not in work.

- This kind of Basic core functionality going to check.

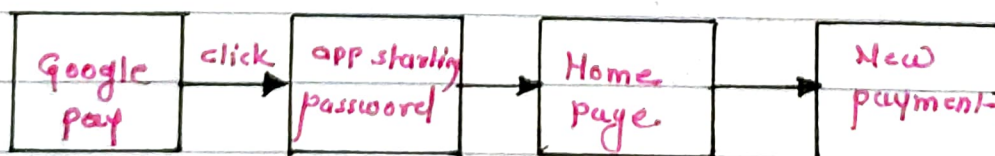
## 2) Tab Validation:-

- Tab validation testing involves the functioning of Tab's
- Tab means we can say that those are the text boxes in which we enter the values in it.
- we can enter the values in tab by using physical keyboard or onscreen keyboard, so it may be character, number, symbol etc.
- can we able to enter this kind of values in the tab functionality i.e. is nothing but our Tab validation.

## 3) Link Validation:-

- Link validation is the process in which sequence of inter linking pages get tested.
- Suppose if we have google pay application then if any user can click on google pay application so first page is of app starting password page is comes then home page of google pay application comes open, so in that case developer gives link of that pages to the icons, so that link get validated in link validation.

- example:-



Application  
Icon



#### 4) Page Validation :-

- Page Validation means navigation Validation or we can say that Navigation Testing.
- In this process suppose we click on next / Back so in that case page should navigate to next / Back so this kind of testing we called as "Navigation Testing".
- example:- Suppose we are some exam of IES so in that if I want Jump on the 2<sup>nd</sup> section of this paper means ineed to jump on 1 question to 20<sup>th</sup> question so m using next (means clicking on "next") So can it should be reach mi on 20<sup>th</sup> question or not.
- so in this we can say that it will navigate mi on 20<sup>th</sup> question or not.

#### 5) GUI Testing :-

- GUI Testing test the interface with which user interact directly.
- In this testing tester checks whether the page are displaying correctly or not, image should be clear to the user, No blur occure anywhere in page and many more.
- This Validation of Visualisation is called as "Graphical user Interface Testing".

## \* Smoke Testing :-

- Smoke Testing is a surface level testing where all areas of the software application are tested.
- smoke testing helps the tester to assess the stability of the build and the test environment.
- When any build is received by testing team, ideally that has to be installed first and needs to support the basic operations in application.
- smoke testing ensures that the build is good enough to conduct the entire execution cycle.
- If the build does not pass the smoke tests, further execution can be put on hold till the necessary corrections are done in the build.
- key test cases covering basic functionalities are selected for execution in smoke testing.
- smoke test means we have combination of sanity testing, trouble shooting, package validation.
- As we know in market there are three types of projects so in Traditional projects - whenever Development and testing are from same company so they provide Smoke test.
- smoke testing is performed to ascertain that the critical functionalities in the program is working fine.
- smoke testing is a subset of Acceptance testing.

## ii) Package Validation :-

- package means collection of the objects.
- our information saved in Backend through packages.

### example:-

Suppose there is an Application of google pay and user use on sign up page in that user fill / enter some Information in tabs and save it.