

3) Usability Testing :- [Accessibility Testing]

- It is the process of checking user friendliness of our build/screen
- It is a part of Black Box Testing (BBT) / system and functional Testing.
- For usability testing B.A (Business Analyst) make test-cases as per user's aspects (eg.: like colour, design etc.)
- We will get separate test-cases for usability testing.
- Usability testing is done to check the ease of use of an Application.
- Usability testing caters to how easy it is for a new user to carry out basic task of the Application.
- It also checks for quicker access to the one who uses application frequently and consistently.

- example:-

- 1) In a website, is Navigation within the web pages provided and are there home page and logout links on every page.
 - 2) check for use of correct icons and corresponding tool tips.
 - 3) check for dropdown values being sorted correctly.
- In usability we check for system should take less number of events to complete task or easy validation.
for eg.: IF user click on submit button, then app should immediately open next page quickly.
 - Execution of these test cases happen in WAT (web accessing Toolbar). it shows database tables.
 - There are two types of Usability testing they are as follows
 - 1) GUI Testing
 - 2) Manual Support Testing

1) GUI Testing [Graphical User Interface] :-

- 1) Easy of use :- ① on one click next action should happen immediately
- ② For Blind person, if he/she click on any tab, system should give voice feedback.

2) Speed of processing :- How quick application respond to user's Action.

- This all we have to done in GUI Testing.

2) Manual support Testing :- [Regular Expression Testing]

- It is a process of checking context sensitiveness to the user's manual Input.

- In which module or Tabs respond to user's manual action mention in user's request.

- Regular expressions are sometimes more than one objects have some logical Name or physical description so this we called it as "Regular Expression".

- example:-

In Ola Application, we enter pickup and drop location so, when we click on pickup and if we enter 'E' keyword so, it shows all the location suggestion starting with 'E'.

4) Security Testing :-

- security testing is a process of checking privacy related to user operation.

- In privacy we check the privacy of the module or build.

- In which Determines that an application protects data and maintains functionality access as intended.

- Ensure protection against intrusion, hacking, data leakage.

- security testing determines whether an application is capable of identifying security related risks and averting possible attacks (Virus attack).

- It is extremely important to conduct security testing for the applications having critical information handling or sites representing govt or military organizations, financial sites, brand conslout industries.

- There are some types of security testing as :-

1) Authorization :- ① It is a process of checking whether person is authorized or Not.

② Authorized person means registered person in the application.

2) Access Control :- process of checking whether authorize person has permission to access specific operation.

3) Encryption & Decryption :-

i) Encryption :- Encoding message or Information in such a way that only authorized person can access it.

ii) Decryption :- It is the reverse process of Encryption in that we decode the data which has been encrypted into a secret-formate.

4) Performance Testing :-

- In performance testing tester checks whether the build is able to handle No of users or Not.

- performance test engineer is the person involve in this testing.

- for performance testing "Load Runner Tool" is used.

- performance testing is a testing developed application throughput and Response time by applying different load is known as "performance Testing".

- There are four typer of performance testing they are as follows:-

1) Load Testing

2) Endurance Testing / Soak Testing

3) Stress Testing

4) Volume Testing

- Throughput :- No. of transaction proceed by an Application.

- Response Time :- How fast Request is proceed called Response Time.

1) Load Testing :-

- Testing developed application throughput and Response time by applying load which is less than design load is called as "Load Testing".

2) Endurance Testing / Soak testing :-

- Testing developed application throughput and Response time by applying design load continuously for longer duration of time (hours) is called "Endurance / Soak Testing".

3) Stress Testing :-

- Testing developed application throughput and Response time by applying load which is more than design load is called as "Stress Testing".

4) Volume Testing :-

- Whenever database capacity are expanded or synchronize then performance tester will check how much data comfortably handle by the application in mentioned (application environment) is called "Volume Testing".

Scalability :- It is the process where performance tester will identify how much exact number of user supported in application is called "Scalability".

Reliability :- In which testing the desktop application performance is called as "Reliability".

- By using these types of testing performance tester have done performance testing.