

Type of Testing

Functional testing, UI testing, Security testing....

- **Testing type contain test cases**

Example

Functional area testing contain login functionality

- So write login functionality test cases, positive or negative
 - Security contain ,security test cases
 - load contain ,load test cases
 - functional testing heading may contain 100 test cases
 - load testing heading may contain 50 test cases
- **Test cases made from user scenario and user scenario lie in testing type**
 - **Testing type dependent on testing method, like white box, black box**

How to write test cases (Login scenario)

- Test case: only valid user may login

If choose method like black box so test case maybe

- open the web page
- Go to login page
- Enter the user name
- Then enter the password

If choose method like white box so test case maybe

- Maybe coding based
- Call the function
- Data pass in parameters
- Return the data
- Check output result by code

Testing strategies

How you take the problem and get the particular results or outcome.

For testing

1. First review the application
2. Find application types (exm, functional, security, load...)
3. After that write test cases.

4. Then make testing strategies for test cases that where, when and how many test cases will run for this testing.

Example reason to make strategies

- When first build come to test then check, is it ready to test or not?
- Is it an unstable build which is not even ready to test?
- So, find critical path for that application, choose some very important test cases from critical part area, if particular build not run successfully on those test cases and application become crash then no need to run more test cases on that application.

Critical path for function area (ecommerce Login Example)

If logging failed or no appropriate right assign to user in functional test area so no need to use test further more test cases.

For ecommerce critical path test cases

1. Could user seen shop front page
2. User Should be able to login
3. at least one item should be added in cart
4. proceed transaction and payment

Testing strategy (smoke testing)

Shortlist few test cases and executing the shortlisted set of test cases based on achieving a purpose to find the critical path of that application is not broken

This type of strategy is called “**smoke testing**”

If smoke test failed no need to do more testing on it

Testing strategy (bottom up)

1. run test case
2. node level test case
3. flows
4. scenario
5. module

Testing strategy (top down)

1. run top tier of test cases like login
2. user creation
3. product display