ASSIGNMENT – SOFTWARE TESTING

NAME OF THE TRAINEE	ANISH MATHAN M
E–MAIL	anishmathan@claritaz.com

------

1.   **What is Software testing** ?

Software Testing is the process which used to evaluate (find bugs in application) the New software product and decide to whether is ready to lanunch or not.

2.   **What is the difference between white box and black box testing** ?

WHITE BOX TESTING	BLACK BOX TESTING
In that before testing we have to known internal structure of the software and test the workings of applications as to its functionality.	Not necessary to know the Internal structure of the software
Necessary to known the programming languages can only solve by developer.	focus only the funtionality and performance of the application.
More time consuming,	Less Time consuming

3. **What are different types of testing?**

√ Manual Testing

√ Automation Testing

In manual Testing – Unit Test, smoke test, Integration Test, Funtional testing, Non Functional Testing, Acceptance defect Testing, Performance Testing,Full system Test

In Automation Testing _ we have to set them programmable Tools using testing frame works. our test can be executed via script from our terminal.

4. **When do we do system testing?**

Sytem testing we will do after the integration testiong and before the acceptance testing

5. **What do we test in user interface testing?**

Checks if apllication how performe and take the input and how handled external peripherls like keyboard, mouse and its displayed all visual contests right?

6. **What are different types of non-functional testing?**

Security testing, performance testing (scable or not scable)

7. **What is the difference between verifications and validation?**

Verfication means to verify the developed software is being as per the very impotant requirement.

validation means process of checking if the software has met the clients 100% true neeeds and expectations.

8. **What are requirements?**

Requirement is client needs which depends upon the practical usage, and in software testing we need to check three requirements mainly that funtional requirements . non – funtional requirements perforamnce requirements , system technical requirements.

9. What is requirement traceability matrix?

It is the documentation that demonstrates the relationship between requirements and other artifacts, Its used to know the current status of the projects, Its helps to testing team understand level of testing

10. What are test cases?

- ➢ Functionality
- ➢ UI, Intergration
- ➢ Perforamance
- ➢ Usability
- ➢ Database
- ➢ User acceptance
- ➢ Exploratory

11. What are the different attributes of a test case?

- ❖ `Test Name
- ❖ Test ID
- ❖ Objective
- ❖ Refererence
- ❖ Test Setup
- ❖ Expected Results

12. What are bugs?

Bug is a malfuntion in software or application its an eror that may cause the system to fail to perform its required funtions, bugs are classified.....

√ Functionality defects

√ performance defects

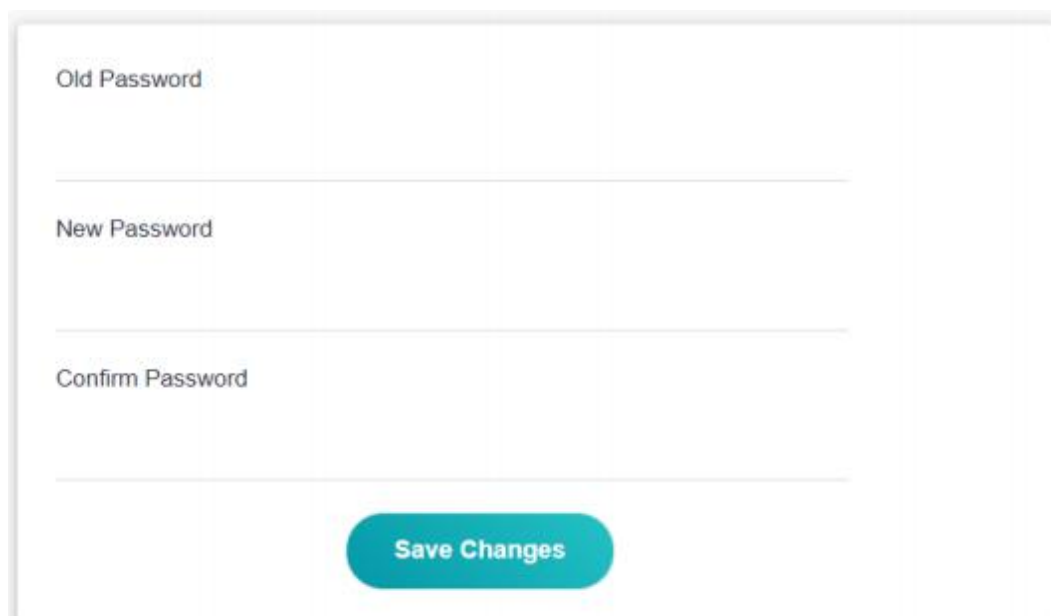√ compatibility or usability defect

√ security defects

13. What is a defect life cycle?

open-|fixed-|pending retest-|reopen-|verified-|closed

14. What is a bug report?

A bug report which contains all the details regarding what are the bugs are want to debug or fix and a report listed reason, needs, seen errors , screenshots, and details how to address each issue.

15. Write test scenarios for Change Password page functionality

Old Password

New Password

Confirm Password

Save Changes

Business Rules on this page as follows

This page is displayed when user logs in after resetting password or directly accessible via every users login. Note: for forgotten password, old password is not asked for

Current password should be asked and provision to add new password to be available in the 'Change Password' page

Current password should be validated

Password confirmation should be validated with new password

New Password should validate for password rules

Test cases :

- ❖ Check all the text boxes radio buttons, button

- ❖ check the password limit when enter value greater than max

- ❖ check the password when passing valid data

- ❖ verify if black spaces are passed in required fields

- ❖ verify the length of the password

- ❖ verify user should get an error message when they enters previous password

- ❖ verify user should able to loginwitha new login

- ❖ verify when passing incorrect password and forgot password sends OTP to change password page

- ❖ check to enter wrong old password and enter new password

- ❖ check to enter correct old password and enter new passwors without foloowing password rules.

- ❖ after setting new password login again to check this changes are saved succesfully or not

16.   What happens to a defect when a developer could not reproduce in the deployment?

Here developer not able to reproduce the bug as per the steps given by a tester then the developer can change status as need more information. in this case the tester needs to add detailed reproducing steps and assign bug back to the developent team to fix.

17.   When do developers defer a bug ?

A Developer defer a bug when bugs is expected to solve next stage or later, because of priority of the bug may be low, lack of time for lanuch or else bug may not have major effect on the software

18. When do we stop testing ?

When we resolved the bugs then its will be closed in defects cycle the testing will be stoped.

18.   What is the role of a developer in testing ?

Developer should test their code frequently by coding themself. its will reduce the stress / workload of testing team aand resduce the time duration

20. Who is a good tester ?

➢ Who having broadway of thinking

➢ Analysing and think 360 degree Angle to test

➢ Understand and gain experienece from previous testing

➢ Fast and accuracy with Multitasking skill

➢ Team player & Great attitude

➢ Eargerness to learn