

Assignment - 2

- **What is Exploratory Testing?**

Exploratory testing is part of software testing and used in many technique and many tester used of exploratory testing.

- **What is traceability matrix?**

Traceability matrix is system or component to aim to break the system of component. And three types of traceability matrix 1.forward traceability 2.backword traceability and 3.Bi-directional traceability matrix.

- **What is Boundary value testing?**

Boundary value testing is work on set the cases in limited range area and set the partition.

- **What is Equivalence partitioning testing?**

Dividing input data into groups and testing only one value from each group.

- **What is Integration testing?**

Testing done to check if two or more modules work correctly together.

- **What determines the level of risk?**

Risk = impact + probability.

- **What is Alpha testing?**

Testing done by internal team before giving the product to users.

- **What is beta testing?**

Testing done by real users in real environment before final release.

- **What is component testing?**

Component testing is individual component and that use of unit,module and program testing use of component testing.

- **What is functional system testing?**

A functional system testing is perform on system or system component in functional system testing.

- **What is Non-Functional Testing?**

non functional testing is not related of system or system component and functionality.

- **What is GUI Testing?**

Gui testing is graphical user interface is work on under software resting.

- **What is Adhoc testing?**

Adhoc testing is performed using knowledge of software tester and work on software testing on knowledge base.

- **What is load testing?**

Load testing is work under real life performance condition and multiple user access this testing.

- **What is stress Testing?**

Stress testing use to stability and reliability of the system.

- **What is white box testing and list the types of white box testing?**

White box testing is combination of glass box testing and there are three types of white box testing is state coverage and decision coverage and code coverage.

- **What is black box testing? What are the different black box testing techniques?**

Black box testing work on without knowledge and there are many technique use in black box testing. Equivalence partitioning and boundary value and many technique use in black box testing.

- **Mention what are the categories of defects?**

Categories of defect is functional and non-functional and positive and negative and many categories are used in defects.

- **Mention what bigbang testing is?**

The bigbang testing is work on single unit testing and work on system level testing and component.

- **What is the purpose of exit criteria?**

Exit criteria purpose of a before complete the project plan and after than exit the project criteria.

- **When should "Regression Testing" be performed?**

Regression testing is performed is already executed test cases of re-executed to ensure functionalities.

- **What is 7 key principles? Explain in detail?**

1) The testing is presence of defect:

Testing is present are defect but can not prove that are no defects

2) Exhaustive testing is impossible:

Exhaustive testing is very risky and many data executed risky and impossible.

3) Early testing:

Early testing is possible to early time for development team and that activity is focused on defined objectives.

4) Defect clustering:

Defect clustering is the most defect discovered during pre-release testing.

5) the pesticide paradox:

The pesticide paradox is work on identifying bugs and programmers respond and solve and find out the error and defect the bugs.

6) Testing is context dependent:

Testing is basically context dependent and testing can be more benefit of development cost.

7) Absence of error fallacy:

Absence of error fallacy is a not make a good system and not accept user requirement and expectation.

- **Difference between QA v/s QC Tester.**

Quality Assurance :

- Quality assurance is preventive activities in software testing.
- Quality assurance is work on process oriented activities in software testing.
- Quality assurance is implementation of process and focus on process and procedure.
- Quality assurance is a subset of software life cycle

Quality control .:

- Quality control is work on product oriented activities.
- Quality control is focused on actual testing and executing software.
- Quality control is considered by quality assurance.

- **Difference between Smoke and Sanity?**

Smoke testing :

- Smoke testing is a subset of regression testing.
- Smoke testing is worked on after building the software and application.
- Smoke testing is used on bugs and defects are fixed.
- Smoke testing is work on checking the general health checking.

Sanity testing :

- Sanity testing is not used to document work.
- Sanity testing is work on specialized health check ups.
- Sanity testing is work on bug fixes and many errors solved in sanity testing.

- **Difference between verification and Validation.**

Verification :

- Verification is work on product base requirement and make design and code and specs in verification.
- Verification is work on specific requirements.
- Verification is work on evaluating work-product.

Validation :

- Validation is work on specific business requirements.

- Validation is work on software development during software.
- Validation s work on testing and product and software.
- Validation is work on product fulfill and intended environment.

- **Explain types of Performance testing.**

- **Load testing** : load testing is work on performance testing and checking the system behavior under load.
- **Stress testing** : stress testing is a test of stability & reliability of the system and stress testing is also known as endurance testing.
- **Endurance testing** : endurance testing is work under stress testing and join the stress testing.
- **Spike testing** : spike testing is work on performance testing.
- **Volume testing** : volume testing work on performance testing.
- **Scalability testing** : scalability testing can not handle the range for users.

- **What is Error, Defect, Bug and failure?**

Error : developers make the mistake that's called error.

Bug : tester finds the error that's called bug.

Defect : developer team accepts the bugs that's called defects.

Failure : failure is work on required function and specified performance requirements
see : bugs, crash and fault.

- **Difference between Priority and Severity.**

Priority : Priority defines the order in which we should resolve a defect.

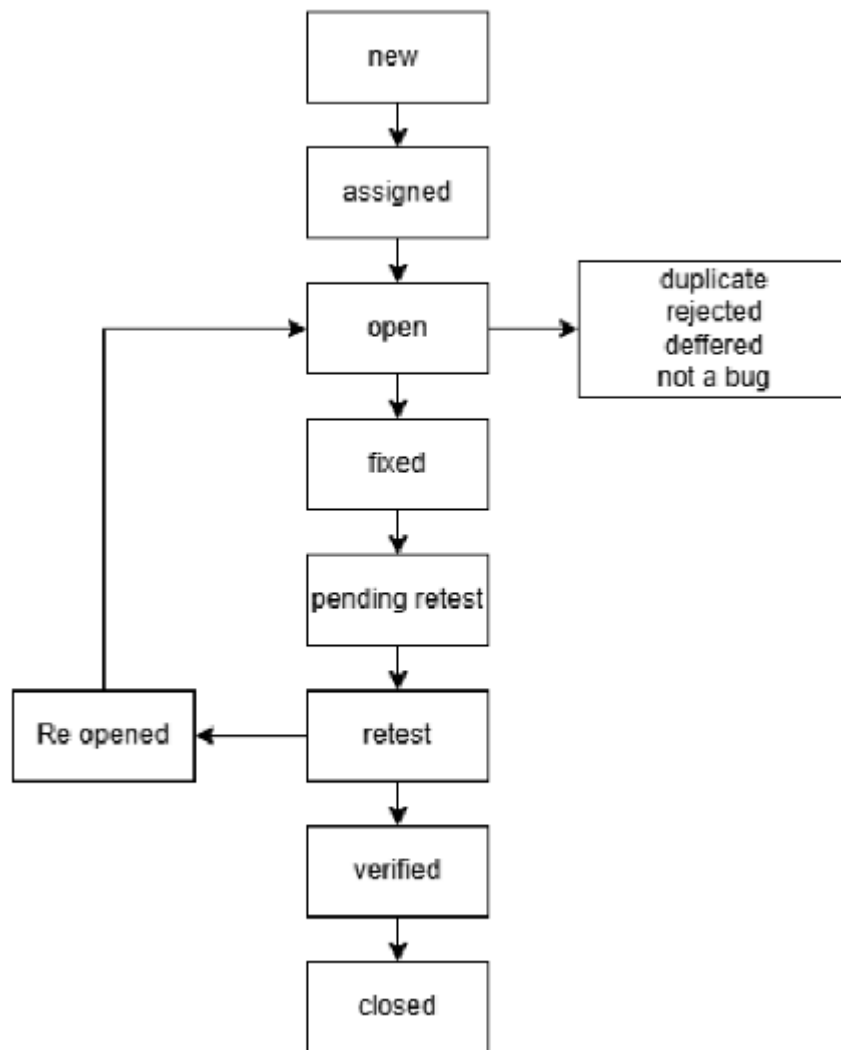
Priority is resolve the defect and many mistake solved on priority. priority is set by the tester and priority is work on defect.

Severity : severity is work on normally critical cases and work on defects.

Severity is work on priority base and work on components of the system.

Severity is also a critical defect solved in the defect of the component system.

- **What is Bug Life Cycle?**



- Explain the difference between Functional testing and NonFunctional testing.

Functional testing :

- Functional testing is work on component systems and working is requirements specification and use cases and function.
- Functional testing is executed first.
- Functional testing types are smoke testing,unit testing,sanity testing,regression testing,white box testing,black box testing,acceptance testing and etc. testing work in functional testing.
- Functional testing is used for automation tools and manual testing.

Non-functional testing :

- Non functional testing is performed after functional testing.

→ Non functional testing is good work of product work.

→ Non functional testing types are load testing,performance testing,stress testing,migration testing,compatibility testing and etc. testing work in non functional testing.

- To create HLR & TestCase of (Instagram , Facebook) only first page.
INSTAGRAM HLR :

FUNCTION ID	FUNCTION NAME	DESCRIPTION
1001	Log in page	Instagram login page opened successfully.
1002	Username & password	When i enter my username and password , it works properly.
1003	Forgot password	Then i click and enter my old and new password so that they can be changed successfully.
1004	Google and facebook	Google and facebook sign in features are working successfully.
1005	Sign up	Sign up features are working properly.

TEST CASE :

TEST CASE ID	FUNCTIONAL ID	TEST CASE NAME	SUMMARY	PRE CONDITION	TEST STEP	TEST DATA	EXPECTED RESULT	ACTUAL RESULT	STATUS
1	101	Log in page	When i open login page of instagram so that it is open successfully.	Internet and browser is working condition	1.search instagram 2.open login page	https://www.instagram.com/	Open successfully	As per expected result	pass
2	102	Username and password	When i enter username and password so verification and validation is working properly.	Internet and browser is working condition	1.open login page 2.enter username & pass	UN:Uday_5052 PASS:u day123	Login details verification and validation is working properly	As per expected result	pass
3	103	Forgot password	When i change my password,the forgotten password feature is working properly.	Internet and browser is working condition	1.open forgot pass 2.enter old and new pass	Old:589658 new:uc665	The forgotten password is working successfully	As per expected result	pass
4	104	Google & facebook	When i sign in to google and facebook so that are working properly sign in.	Internet and browser is working	1.open login page	-	Sign in successfully	As per expected result	pass

				condition	2.sign in to google				
5	105	Sign up	When i using instagram and after that i sign up instagram so that are working properly	Internet and browser is working condition	1.open instagram 2.click sign up	-	Sign up successfully	As per expected result.	pass

FACEBOOK HLR:

FUNCTIONALITY ID	FUNCTIONALITY NAME	DESCRIPTION
1001	Login page	When i open the facebook login page it opens successfully.
1002	Username and password	When i enter username and password so verification and validation is working properly.
1003	login	When i click the login page button,it is working properly.
1004	Forgot password	When i change my password,it changes successfully.

TEST CASE:

Test case id	Functional id	Test case name	summary	Pre condition	Test step	Test data	Expected result	Actual result	status
1	101	Log in page	When i open login page so that are open successfully.	Internet and browser is working condition	1.search facebook 2.open login page	https://www.facebook.com/	Login page successfully	As per expected result	pass
2	102	Username & password	When i enter username and password so verification and validation is working properly.	Internet and browser is working condition	1.enter user details	UN:Uday Pass : 5052uday	Verification and validation working properly	As per expected result	pass
3	103	login	When I click the log in button, it works properly.	Internet and browser is working condition	1.enter user details 2.click login button	-	Login button working properly	As per expected result	pass
4	104	Forgot	When I change my password, it	Internet and	1.click	-	Password	As per expected	pass

		password	works properly.	browser is working condition	forgot password 2.enter details		changes successfully.	result	
--	--	----------	-----------------	------------------------------	------------------------------------	--	-----------------------	--------	--

- **What is the difference between the STLC (Software Testing Life Cycle) and SDLC (Software Development Life Cycle)?**

STLC: STLC stands for software testing life cycle and that phase is requirement analysis, test planning, test case development, test environment setup, test execution, test cycle closure. These are phases of STLC and STLC only work on testing.

SDLC: SDLC stands for software development lifecycle and that phase is requirement gathering, analysis, designing implementation, testing and maintenance. These are SDLC phases and SDLC is a structured development imposed.

- **What is the difference between test scenarios, test cases, and test script?**

TESTCASE :

- Test case is a work base test scenario and test case involves the set of steps, conditions and inputs.
- Test cases are derived from test scenarios.
- Test cases are input and output given to the system.
- Test cases is input the value and after that set the precondition.

TEST SCENARIO :

- The test scenario is work on checking the things and many more items check in the test scenario.
- The test scenario is nothing but a test procedure.
- Test scenario is divided from use cases.

TEST SCRIPT :

- Test script is most used in business scenarios.
- The test script identifies the input/test data that should be for entering a transaction.
- The test script identifies the expected result.

- **Explain what Test Plan is? What is the information that should be covered.**

Test plan is make the strategy for project and get the estimates of project and test planning is work on test environment and test resource and test limitation and also determines on test planning. and strategy and document and planning information should be covered in test planning.

- **What is priority?**
Priority is relative and business focused.and priority is set and required focus on customer based.
- **What is severity?**
Severity is work on absolute on customer focused in business.
- **Bug categories are...**
Bug categories are security,database,functionality,UI is bug categories.
- **Advantage of Bugzila.**
 - Bugzila is most useful in making defect report.
 - Bugzila is making the perfect report and perfect details enter the defect report.
 - Bugzila is all data properly entered of any project.
 - Bugzila work in two part admin side and editbug side.
- **What are the different Methodologies in Agile Development Model?**
Agile model is combination of iterative and incremental process model.
Agile model is easy to manage model and agile model is promote team work and cross training.
- **Explain the difference between Authorization and Authentication in Web testing.What are the common problems faced in Web testing?**
Authorization is accessibility to pages though permission not given.
Authentication is accepting an invalid username/password.
Web testing is work on web sites an web browser.and check the web testing is check the network connection and network service.abd web testing is check the and common problem is accessibility and page permission give and access the data permission of web sites.
- **To create HLR & TestCase of WebBased (WhatsApp web , Instagram)**
WHATSAPP HLR

FUNCTIONALITY ID	FUNCTIONALITY NAME	DESCRIPTION
1001	QR SCANNER	When i link device on my phone to scan the QR of whatsapp web so that are successfully to link device.
1002	Login with phone number	When i enter my phone number so log in successfully in my laptop device.
1003	Get started	When i new account open so that are working properly.

TESTCASE:

TEST CASE ID	FUNCTIONAL ID	TEST CASE NAME	SUMMARY	PRE CONDITION	TEST STEP	TEST DATA	EXPECTED RESULT	ACTUAL RESULT	STATUS
1	101	QR scanner	When i link device on my phone to scan the QR of whatsapp web so that are successfully to link device	Internet and browser is working condition	1.open whatsapp web 2.scan the QR	https://web.whatsapp.com/	QR scan successfully	As per expected result	pass
2	102	Login with phone number	When i enter my phone number so log in successfully in my laptop device.	Internet and browser is working condition	1.open whatsapp web 2. Enter phone number	mo:586533558	Login with phone number successfully	As per expected result	pass
3	103	Get started	When i new account open so that are working properly.	Internet and browser is working condition	1.open whatsapp web 2.click get started	-	Open help center and create new account	As per expected result	pass

- To create HLR and TestCase on this Link. <https://artoftesting.com/>

HLR:

FUNCTIONALITY ID	FUNCTIONALITY NAME	DESCRIPTION
1	Home page	When i open this site so open and working properly
2	Menu bar	When i open all menu so that are working and open successfully.
3	Follow us	When i click to follow us to open linkedin,facebook,youtube, twitter,and pinterest open successfully.

TESTCASE:

TEST CASE ID	FUNCTIONALITY ID	TEST CASE NAME	SUMMARY	PRE CONDITION	TEST STEP	TEST DATA	EXPECTED RESULT	ACTUAL RESULT	STATUS
1	101	HOME PAGE	When i open this site so open and working properly	Internet and browser is working condition	1.open art of testing	https://art oftesting.com/	Open successfully	As per expected result	pass
2	102	MENU BAR	When i open all menu so that are working and open successfully.	Internet and browser is working condition	1.open art of testing 2.open and check menu bar	-	Open and check all menu open properly or not	As per expected result	pass
3	103	FOLLOW US	When i click to follow us to open linkedin,facebook, youtube,twitter and pinterest open successfully	Internet and browser is working condition	1.open this site 2.click the follow us and check	-	All side and connected apps is open successfully or not	As per expected result	pass

- **Write a scenario of only Whatsapp chat messages.**

- Verify the check whatsapp chat message working properly.
- Verify check the message writing properly.
- Verify the check whatsapp chat message page check the send message properly or not.
- Verify check the message receiver message receive properly or not.
- Verify check the many features are working or not.
- Verify check the theme feature are available or not.
- Verify check the message is recording message send properly or not and voice message record properly or not.
- Verify check the media uploaded properly send or not in chat box.
- Verify check the message is limitation of media size and media quality check in message box.
- Verify check the message box chat person showing properly or not.

- **Write a Scenario of Pen.**

- Verify and check that pen is writing
- Verify if the pen is with a cap or without cap.
- Verify the color of the ink on the pen.
- Verify check the odor of the pen's ink on writing over a surface.
- Verify check the pen color.

- Verify check the pen size.
- Verify check the drawable and writable pen check.
- Verify check the pen ink color.
- Verify check the pen material and pen price.
- Verify if the pen's ink should not leak at higher altitudes.
- Verify if the text written by the pen is erasable or not.

- **Write a Scenario of Pen Stand.**

- Verify check the pen stand material plastic, wooden and steel.
- Verify check the pen stand quality.
- Verify check the pen stand price on material base.
- Verify check the pen stand billing price and retail price.
- Verify check the pen stand which pen covered in stand.
- Verify check the pen stand color.
- Verify check the pen stand is comfortable for pen.
- Verify check the pen stand size.
- Verify the pen stand folding or not.

- **Write a Scenario of Door.**

- Verify check the door material.
- Verify check the door material wooden door, steel door, plain wooden, fiber.
- Verify check the door size.
- Verify check the door proper size fitting.
- Verify check the door color on home design.
- Verify check the door price and manufacture price.
- Verify check the door lock system and many security system.

→ Verify check the door design compare on home design.

- **Write a Scenario of ATM .**

→ Verify the type of atm machine, if it has a touch screen, both keypad buttons only, or both.

→ Verify that on properly inserting a valid card different banking options appear on the screen.

→ Verify check that no option to continue and enter credentials is displayed to the user when the card is inserted incorrectly.

→ Verify that the touch of the ATM screen is smooth and operational.

→ Verify that the user is presented with the option to choose a language for further operations.

→ Verify check that the user is asked to enter a pin number before displaying any card/bank account detail.

→ Verify that there is a limited number of attempts up to which the user is allowed to enter the pin code.

→ Verify that if the total number of incorrect pin attempts gets surpassed then the user is not allowed to continue further and operations like temporary blocking of the card, etc get initiated.

→ Check that the pin is displayed in masked form when entered.

→ Verify that the user is presented with different account type options like-saving,current, etc.

- **When to used Usability Testing?**

Usability testing is used for determine number and usability testing use in consultancy service.

- **What is the procedure for GUI Testing?**

The procedure for graphical user interface is systematic approach and user requirement is most important and GUI is work on graphical user and user graphics design and process of graphics coding.

- **Write a scenario of Microwave Owen.**

→ Verify check the microwave oven working properly or not.

→ Verify check the microwave oven hitting condition working properly or not.

- Verify check the microwave oven material and which company best product provide of this machine.
- Verify check the oven size and oven color.
- Verify check the oven electricity supply perfectly or not.
- Verify check the oven temperature.
- **Write a scenario of Coffee vending Machine.**
 - Verify check the vending machine material.
 - Verify check the vending machine requirement of coffee making.
 - Verify check the vending machine requirement of how many making coffee for order requirement.
 - Verify check the vending machine is time to time accept the coffee order getting properly or not.
 - Verify check the vending machine bill and payment rightly working or not.
- **Write a scenario of chair.**
 - Verify check the chair size.
 - Verify check the chair color.
 - Verify check the chair material.
 - Verify check the chair price of material based.
 - Verify check the chair weight limitation.
 - Verify check the chair is comfortable for human body.
 - Verify check the chair types is wooden chair, steel chair and plastic chair.
 - Verify check the plastic chair material.
 - Verify check the chair is electric chair or not.
 - Verify check the chair is wheel chair or simple chair.
- **To Create Scenario Gmail(Positive & Negative).**

Positive :

 - Verify check the mail is working properly.

- Verify check the mail is sending and receiving function and features are working properly or not.
- Verify check the mail is working offline and online or not.
- Verify check the mail is perfectly sending and receiving is completely or not.
- Verify check the mail notification is showing perfectly or not.
- Verify check the mailbox is working properly or not.
- Verify check the mail is securely or not.

Negative :

- Verify check the mail is fake mail receiving or not.
 - Verify check the mail is hack or not.
 - Verify check the mail is spam or not.
 - Verify check the mail is fake payment mail or not.
- **Create scenario Online shopping to buy product (flipkart).**
 - Verify check the product.
 - Verify check the product details.
 - Verify check the product price.
 - Verify check the product rating.
 - Verify check the product size and product quality.
 - Verify check the product shipping area.
 - Verify the product price discount and offers.
 - Verify check the product delivery address is correct or not.
 - Verify check the product images and real product are same or not.
 - Verify check the product is returnable or not.
 - Verify check the product is refundable or not.

- **Write a Scenario of Lift(Elevator).**

- Verify check the lift is working properly.
- Verify check the lift size and weight is correct or not.
- Verify check the lift weight limitation set or not.
- Verify check the lift is how many person collect in lift.
- Verify check the lift transaction speed.
- Verify check the lift company.
- Verify check the lift all function working properly or not.
- Verify check the lift all features are working properly or not.
- Verify check the lift all system and all buttons are working completely or not.

- **Write a Scenario of whatsapp Group (generate group).**

- Verify check the group name.
- Verify check the group admin.
- Verify check the which person involve this group.
- Verify check the maximum and minimum member join this group.
- Verify check the group enter the valid number join the group.
- Verify check the group profile.
- Verify check which can add the admin member in group.
- Verify check the message send and receive perfectly or not.

- **Write a Scenario of Whatsapp payment.**

- Verify check the whatsapp payment system are working properly or not.
- Verify check the payment system is securely.
- Verify check the payment system is transaction features are working properly or not.
- Verify the check balance are show perfectly or not.

- Verify check the upi id is working perfectly or not.
- Verify check the money send and receive is completely or not.
- Verify check the receiver id data show or not.
- Verify check this system is join the any bank are link perfectly or not.
- Verify check the payment QR code and scanner are working properly or not.
- Verify check the payment method id showing the data and information.