

1.what is exploratory testing ?

>exploratory testing is basically in software testing where the tester actively explore the software without using a test case and script tester who explores software with his freedom to help cover defects and bugs . The tester is free to explore any part of software and try different actions to find defects.

2.what is a traceability matrix ?

>a traceability matrix is a table that matches requirements with test cases to make sure every requirement is tested .

3.what is boundary testing ?

>boundary testing is value testing that checks the values at the edges of an input.

Ex: if age must be between 18 - 60 , then test 17,18 and 60,61

Boundary testing is like only testing higher values or lower values like boundary area test first also it helps to find defects and bugs at earliest.

4.what is equivalence partitioning ?

> equivalence partitioning divides input data into valid and invalid groups so you don't need to test every value, just one value from all groups .

It's like first you divide all values in a group and then you test only one value and figure it out very fast .

5.what is integration testing ?

>integration testing is done after individual modules are tested . tester checks whether two or more modules work properly and connect modules and test together .

It helps to find defects and module data not to mismatches . its like combine all modules and test that call integrating testing

6.What determines the level of risk ?

>software testing there are two types of risk 1. Project based risk and 2. Product based risk .

1.project based risk :- the project based risk is basically process, planning , team , tools are included . its impact to deliver project duration like project delivery problems are included in project based risk .

2.product based risk :- the product based risk is impact product performance, functionality, feature , security .

This risk directly impact product so that's why it call productbased risk

7. What is Alpha testing ?

> Alpha testing is done inside the company by the testing team and sometimes by employees who use the product before customers do. It helps to find major issues early . This testing is done in a controller environment where developers are available to fix issues direct and fast.

8. What is beta testing ?

> Beta testing is basically a real user who checks the software and gets feedback that software is in the right condition or not . It helps to find defects and bugs .This testing is basically done after alpha testing . The company gives the software to selected users to check and collect customer feedback then fix some issues in software, and deliver software that is high quality .

9. What is component testing ?

> component testing is unit testing . It focuses on individual modules and components of the software. Verifies that all components work correctly in isolation.Performed by developers or testers.

10. What is function system testing ?

> The function system testing is basically testing all software features and testing everything in software. It checks all functionality , features , and other options . Functional system testing basically tests end to end all features and details of software, then figuring out all types of defects and bugs also improves software quality .

11. What is non-function testing ?

> The non function testing is basically it focuses on software quality and performance its called non function testing. It checks software security , performance , smoothness and also checks load like how many users in one time check software . it checks if the software is stable or not .

12.what is GUI testing ?

> The Graphic user interface that is called GUI testing . The GUI testing focuses on software design and ui . it checks all menu shows properly . it checks if all alignment is changed after refresh or rereturn in the page. It checks the screen open properly and all colour and font also visible properly or not that is called GUI testing .

13.What is Adhoc testing?

> Adhoc testing is test software without a proper plan and test case . It checks software randomly without knowing the software . It clicks on buttons and checks software with an open mind and also finds unexpected defects and bugs .

14.what is load testing ?

> The load testing is to check software with load like most people who check the website at one time and check load like software is in stable or any lag issues are shown or not . It's like one time 2000 users who check the website it gives load and then check if the website is in the right condition to work or any issues are shown.

15. What is stress testing ?

> The stress testing is check software with check high load like website is stable in 2000 user so than its 10000 user also check the software and check the website stable and work properly or not . It is like a company checking the website in their limit.

16. What is white box testing and list the types of white box testing?

> The white box testing is eternal details that are called white box testing. It's like software code exists also now. It's like how the fan turned on . It checks how to fan start its function and how to work that is called white box testing.

White box testing list-

1. Unit testing
2. Statement coverage
3. Decision coverage
4. Condition coverage
5. Multiple condition coverage
6. Path coverage
7. Loop testing
8. Multiple testing
9. Control flow testing
10. Data flow testing

17. What is black box testing? What are the different black box testing techniques?

> The black box testing is basically hidden internal details and shows only input and output .It is like if you switch on the fan and the fan is on . that only input and output. Its right and check output is in the expected result or not .

The black box testing techniques

- 1.Equivalence partitioning
- 2.boundary value analysis
- 3.decision table testing
- 4.state transition testing
- 5.use case testing
- 6.error guessing
- 7.Exploratory testing
- 8.comparison testing
- 9.syntex testing
10. Pattern testing

18.Mention what are the categories of defects?

> The defects categories list

1. Functional defects
2. Performance defects
3. Usability defects
4. Compatibility defects
5. Security defects
6. Integration defects
7. GUI defects
8. Boundary defects
9. Login defects
10. Database defects

19. Mention what is Big Bang testing ?

> The Big Bang testing is basically combining all modules and tests that are called Big Bang testing. The all part is ready then starts Big Bang testing.

20. What is the purpose of exit criteria?

- > The existing criteria is when to stop the test .
- 1.If all defects is figure out
- 2.Project is almost done
- 3.Customer requirements is complete
- 4.If small number of defects find who not impact to software
- 5.If customer was satisfy

There are all criteria that exist.

21. When should "Regression Testing" be performed?

- > The Regression testing basically starts when all new features are added and old features work properly. That is called Regression Testing.
- If a new feature is added in software then the old feature works or not, that check task is Regression testing .

22. What are the 7 key principles? Explain in detail?

- > The 7 keys of principles

1. The Testing shows presence of defects

> The testing after shows defects. It's like if you test software and defects are shown properly at that time. If we are tested every time then it shows defects as per exception . If you test software and find all defects, software is not 100% defects free.

2. Exhausting testing is impossible

> Exhausting testing is like not testing every input , feature , functionality , test scenarios testing is not possible . if you test everything, the risk chance is very high.its very costly and time consuming.

3. Early testing

> Early testing is like you test software in SDLC in earlier phases than it helps to find defects and bugs in the early stage and defects and bugs are fixed earlier . It helps to improve software quality .

4. Defect clustering

> Defect clustering like most defects and bugs found in software one feature (part) that is called Defect clustering. Sometimes software features find most of the defects .

5. The pesticide of paradox

> if you test every time with the same test case and testing types so sometimes later no one defects are found it is called The pesticide paradox . That's why I update test cases and test types every time .

6. The testing is context dependent

> The testing is context dependent means two different types of software there testing types were also different . It is like Banking software and game software .

7. Absence of error fallacy

> if you test everything in software and defects are found so and software quality is very good but its not called that software is 100% defects free. The software is not defect free and that line is wrong .

That's all software 7 keys of principles

23. Difference between QA v/s QC v/s Tester

QA	QC	TESTING
1. Qa is work for Quality Assurance it focus software in right process follow or not	1. Qc is basically find defects and bugs in software	1. Testing is also find defects this is first focus to find defects in software
2. QA is part of SDLC	2. QC is part of QA	2. Testing is part of QC
3. Qa focus to stop mistake	3. QC focus to find defects and bugs	3. Testing is focus to find defects
4. QA is process orient activities	4. QC is products orient activities	4. Testing is products orient activities
5. QA is preventive activities	5. It is a corrective process.	5. It is a preventive process.

24.Difference between Smoke and Sanity?

SMOKE	SANITY
1. Smoke testing is basically check that basic feature of software is work properly or not	1. Sanity testing is basically check the developer who fix the issues that fix properly or not
2. The testing is performed by developer and tester	2. The testing is performed by only tester
3. Smoke testing is check all feature who work properly	3. Sanity testing is check only some component of software
4. Smoke testing is substance of regression testing	4. Sanity testing is substance of acceptance testing
5. Smoke testing is basically document and test script	5. Sanity testing is basically not document and not test script

25.Difference between verification and Validation

VERIFICATION	VALIDATION
1.verification is basically software build process in right way follow	1.validation is basically software built for customer requirements.
2.check the product is in right design	2.check the product in use work properly
3.verification is focus on process	3.validation is focus on output
4.verification is less time consuming	4.validation is high time consuming
5.verification follow some activities like review and feedback	4.validation is only follow test and check the output who show in customer requirements

That is difference of verification and validation testing

26. Explain types of Performance testing.

> performance testing is focused on software work properly , stable and without any lag that is called performance testing.

The performance testing types:

1.load testing :- load testing basically checks the software that is in normal pressure of a user who is stable and works properly or any lag is shown or not that checks load testing.

2.stress testing :- stress testing basically checks the software in high load . It is like a software 200 user load limit so check the software in 800 users and check if the software is stable work or any crash shows.

3.spike testing:- spike testing means in one time user quantity increase and check the software who run in right condition

4.Endurance testing:- Endurance testing means use software for a long time and check if the software is working in the right condition. It like if you use software ten hour and check any lag and other issues are show or not

5.volume testing :- the software in high values like add most of data and check software work properly or not

6. Scalability Testing:- Scalability Testing is increased and develop servers and check who handle high users that is called Scalability.

27.What is Error, Defect, Bug and failure?

> The error , defect , bug and failure .

1.Error:- if a developer who develops software but has any mistakes in coding that is called Error.

2.Defect:- A developer who builds a software and a tester checks the software if a tester finds any mistake in software so that is called Defect.

3.Bug:- if a tester finds a mistake and assigns it to the developer and developer accepts a defect that is called Bug.

4.Failure:- After building a software if the output does not match the expected result that is called Failure.

28.Difference between Priority and Severity

> priority :- priority is to focus on business . It, like any mistake, is a risk for software and company that is called priority.

>severity :- severity is to focus on the customer . It is like any mistake which risks the customer's severity .

PRIORITY	SEVERITY
1.priority is to focus on business . It, like any mistake, is a risk for software and company that is called priority.	1.Severity is to focus on the customer . It is like any mistake which risks for customers that is called severity .
2.priority is focus the software who any disadvantage of company	2.severity is to focus on a customer who uses the software and any problem he faces.
3. Ex:- if login problem in software	3.if any problem in payment option
4. If any change who effort of company names that called priority	4.if any change who effort to customer that called severity

29. What is the Bug Life Cycle?

> The bug life cycle is basically all steps to find bugs to solve bugs .

1.New:- a software tester who finds an entry of a bug.

2.assigned:- a software tester who assigns bugs to software developers.

3.open:- a software developer who opens a bug and checks the bug.

4> duplicate:- if a bug is already send by tester

> rejection:- if a developer who reject the bug like this is not a bug

> Not a bug:- if a developer who says this is functionality not a bug

> deferred:- if a developer who says this defect is fixed later

5.fixed :- if a developer who fix the software defects

6.pending retest :- if a developer who fix defect and assign to tester a tester who check the software

7. Retest :- a tester who test a software and check any bugs are exist or not
 >Ropen :- a tester who find any defect so software will reopen and check again
- 8.verified :- if tester says software has not any defect and software is in better condition.
- 9.closed :- if all defects and problems are solved so close the bug life cycle
- 30.Explain the difference between Functional testing and NonFunctional testing

FUNCTIONAL TESTING	NON FUNCTIONAL TESTING
1.Functional testing is check the software feature who work properly or not	1.Non Functional testing is to check the software which works in a stable and smooth condition.
2.Functional testing focus on software feature , menu and pages who work properly	2.Non Functional testing is focus on software performance and smoothness
3.Ex:- check the login , password , sign up , sign in , new account create	3.Ex:- check the lag , load , smoothness and performance
4.Functional testing is basically do developer and tester	4.Non Functional testing is basically do tester

31.To create HLR & TestCase of 1)(Instagram , Facebook) first page and chat functionality

1.HLR OF INSTAGRAM

2.TESTCASE OF INSTAGRAM

- Facebook HLR and testcase

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

> The difference between SDLC and STLC

SDLC	STLC
1.SDLC phases are focus to develop software	1.STLC phases are focus to test software and improve software quality
2.there are all phases are to build software	2.there are phases are to test the software
3.there are developer , tester ,manager , client are included	3.STLC only tester is included
4.requirement , design , test , implementation ,maintanance , analysis there are phase of SDLC	4.test planning , test case development , environment set up , execution and cycle closer there are all phase of STLC
5.SDLC is basically develop high quality software	5.STLC is basically find defect and bugs

33. What is the difference between test scenarios, test cases, and test scripts?

❖ TEST SCENARIOS

- Test scenarios are functionality that can be tested . It is basically a functionality that check software all features are work and some possible features are available that is test scenarios

❖ TEST CASES

- Test cases focus on how to test software and there are all steps to build software . The test case is good and bad software is included.
- Tester who builds test cases and it figures out all defects and problems of software.

❖ TEST SCRIPT

- Test script is basically the code that runs the test case automatically that is called script.
- Selenium is included in test script

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

- Test plan is basically analysis of all types of risk , check the documents who complete also include how to test , when to test ,what is test and who is test there are all things included and that called plan.
- Test documents , Test tools , Test framework , Test server , entry and exit criterias there are all things that are covered in the test plan .

35. What is priority ?

- priority is to focus on business . It, like any mistake is a risk for software and company that is called priority.

36. What is severity?

- Severity is to focus on the customer . It is like any mistake which risks for customers that is called severity .

37. Bug categories are...

- Bug categories means a mistake or defects in software which divide into different types and divide in groups that are called bug categories.
- Ex : functionality bugs , performance bugs , ui ux bugs and compatibility bugs these are bug categories.

38. Advantage of Bugzilla .

- Bugzilla is open source that helps to find , detect and manage bugs for testers. Bugzilla is more important to assign defects to developers than developers who fix defects .

39. Difference between priority and severity

PRIORITY	SEVERITY
1. A priority is to focus on business. It's important to companies.	1. A severity is to focus on customers and importance to customers.
2. A priority is any mistake in the login page that is called high priority.	2. A severity is any mistake in the payment option that is called high severity.
3. A priority is any mistake for a company who lowers the value of a company that is called priority.	3. A severity shows how serious bugs impact customers.
4. EX: login page is crashed high priority	4. EX: payment option fails high severity

40. What are the different Methodologies in Agile Development Model?

- Agile Development : Agile development means converting modules in smaller parts than test modules and delivering software to clients to get feedback . If a client requirement changes then agile allows it to change.
- Agile methodologies : Agile methodology scrum and kanban are focused on development and flexibility to deliver software in high quality.

41. Explain the difference between Authorization and Authentication in Web testing.What are the common problems faced in Web testing.

AUTHORIZATION	AUTHENTICATION
1. Authorization means which option user access decides authorization.	1. Authentication means a user that verifies by authentication.
2. Authorization checks the user's validity.	2. Authentication check user which step access that Authentication.
3. Authorization is after the login permission option check for the user.	3.Authentication is at login time to check the user.

4.EX: users who edit their profile but not delete someone's profile	4. EX: id and password correct than Authorization.
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42.To create HLR & TestCase of WebBased (WhatsApp web)
WHATSSAPP HLR

WHATSSAPP TESTCASE

43.Write a scenario of only Whatsapp chat messages

- Verify whatsapp chat option is open properly
- Verify whatsapp chat load properly
- Verify message is delivered properly
- Verify photo and big file deliver properly
- Verify whatsapp server is work properly
- Verify internet connection is work properly
- Verify group chat message will be delivered directly
- Verify video call option is work and quality is high
- Verify video call option is audio is listen clearly
- Verify whatsapp voice message is send properly
- Verify whatsapp voice message listen properly
- Verify payment option in whatsapp chat its open and work properly
- Verify that When i click on location option its work and show right location
- Verify that documents are delivered properly and open

44.Write a Scenario of Pen

- Verify which type of pen
- Verify which colour of pen
- Verify pens looking and design good or not
- Verify pens is smooth or hard to write
- Verify pen grip is comfortable to hand
- Verify pen is work properly
- Verify that write sentence of pen text is bold or light
- Verify writing pen is work smoothly
- Verify that writing continuously and any time that pen working stop
- Verify that pen is different types so its rifle is feel to pen
- Verify that pen is loud if writing
- Verify pen weight is balance for smooth writing

45. Write a Scenario of Pen Stand

- Verify that pen is feet to stand properly
- Verify after feet to pen in stand its stand hold to pen
- Verify if i take the pen out of the penstand and then put it back in , it will fit properly
- Verify that different size of pen is fit to pen stand
- Verify that pen stand weight is high or low
- Verify that penstand its which material used
- Verify that if i fit in stand after fit pen is fall to stand
- Verify that pen stand tight or smooth to remove pen
- Verify pen stand is strong material use if sometimes fell to hand any damage possible
- Verify that to much use of pen stand its work properly

46. Write a Scenario of Door

- Verify that which type of door is it
- Verify door open and lock properly
- Verify door lock is work after you are lock the door
- Verify door lock in which material used
- Verify door is open in real key and not open to fake key
- Verify that some door is open in card so its open with card properly
- Verify that in door is open in monsoon season but sometimes its required extra force than open
- Verify door handle is strong fit because sometimes door hand is broke and door lock not open
- Verify that door weight its essay open and close

- Verify that door design and lock are great
- Verify door is open without any loud
- Verify that some door glass is strong otherwise anyone who broke the glass and open the door

47. Write a Scenario of ATM

- Verify that atm machine is in which types
- Verify that atm card is insert properly
- Verify that atm button is work and tap easily
- Verify that atm screen work properly
- Verify atm is work properly in deposit and withdraw
- Verify that atm gives receipt after transaction
- Verify if your transaction over and you forget the atm so loud sound is work property
- Verify atm is open in everytime
- Verify atm have any maintenance sometimes maintenance and you not get money
- Verify atm pin and number are log out after you out the atm card
- Verify that atm machine without atm card transaction is allowed or not
- Verify that if you check your bank balance and its show properly

48. When to use Usability Testing?

- The usability testing use before application and website launch
- The usability testing use for ui and ux change and than work properly
- If the user not comfortable for app than usability testing is used
- If app speed , performance and responsiveness are not work in click point so used the usability testing
- If some e-commerce website is not work properly for some major option than usability testing is work

49. What is the procedure for GUI Testing?

- The GUI (graphic user interface) means that some websites run on different devices and that menu, button , alignment , font , icons and text are shown properly.
- If some option is not user friendly so test all options and build them user friendly by GUI testing.

50. Write a scenario of Microwave Oven.

- Verify that which type of microwave oven
- Verify that oven is open properly
- Verify that time and heat are set properly
- Verify that food is ready in set time
- Verify if microwave oven door is open so any risk are possible
- Verify that if you set temperature and you forget the food than so much heat and smoke and oven is run continuous
- Verify that if you set the food and electricity off so food is heat or time is reset
- Verify that if you feel wrong time than any problem show
- Verify that all button are work properly
- Verify that you click on stop and oven is stop immediately
- Verify that timer is work properly if you set the timer and its stop automatically
- Verify that food heat and ready in set time

51. Write a scenario of Coffee vending Machine

- Verify that coffee vending machine in which types
- Verify that coffee vending machine is work properly
- Verify that after inserting the coin and selecting a coffee type, the vending machine export the selected coffee
- Verify that coffee machine is cup detect
- Verify that if you get hot coffee so its served hot coffee
- Verify that if you insert less money than any warning and other message show
- Verify that if you give more money and after order machine is get back the money
- Verify that electricity is off than vending machine is work properly
- Verify that if you select some items and its not available so any message is generate
- Verify that if you select some type of coffee and its deliver that one properly
- Verify that coffee making process is in right way for by coffee machine

52. Write a scenario of a chair . To Create Scenario (Positive & Negative)

- Verify that chair which type of chair
- Verify that chair design and looking is good
- Verify that chair is comfortable for sitting

- Verify that how much weight for chair
- Verify that chair is made in strong material
- Verify that chair design is shown long time
- Verify that after you use daily lifestyle and any scratch is visible
- Verify that chair is round 360 easily
- Verify that weel chair is weel is work in long time
- Verify that some chair are fold check its fold properly also after you get open its open properly
- Verify that heavy weight person who sit in chair and chair is broken
- Verify that after sitting chair its shake
- Verify that if you sitting in chair and try to round its round or freeze
- Verify that chair in site is hard and not comfortable
- Verify that weel chair if you are busy in mobile and you try to sit so sometimes its moved in behind
- Verify that weel chair if you run and flush some scratches are show
- Verify that if you sit in chair and its loud sound
- Verify that after long time chair design and looking is visible like new chair
- Verify if you sit in low weight chair and sit so chair is down
- Verify that chair is comfortable otherwise long time sit in chair than feel pain

- Create test case on compose mail functionality

53. Online shopping to buy product (flipkart)

- Write a Scenario of Wrist Watch
 - Verify that user open flipkart page its open properly
 - Verify that user who check some types of watch
 - Verify that which brand watch is it
 - Verify that watch design and looking is great
 - Verify that favourite watch price and how much discount gives
 - Verify that watch is available
 - Verify that search bar who search the watch and its work properly
 - Verify that user check the watch feature and description
 - Verify that user check that watch reviews
 - Verify that user select the watch and its easy to move in add to cart
 - Verify that user who add watch in cart and its add properly
 - Verify that user who open cart option and watch will be show properly
 - Verify that all details of watch user who show properly
 - Verify that all payment option is show properly
 - Verify that user go to payment option and feel up than its work properly

- Verify that user who pay the payment and watch is buy properly

54. Write a Scenario of Lift(Elevator)

- Verify that user who press the call button and lift is come properly
- Verify that door is open automatically and close also automatically
- Verify that lift light and fan is work properly
- Verify that user who press the flore button and flore light will on that is required
- Verify that lift is moved properly and smoothly
- Verify that lift who stop in selected floor other flore not
- Verify that lift is stop in there floor and open door properly
- Verify that lift is overload so alarm is on properly
- Verify that emergency situation press emergency button check alarm is on and call option is work
- Verify that any time power off so life go to safe floor
- Verify that upper side floor is displayed properly
- Verify if someone user who enter lately so door is open automatically

55. write of a scenarios of whatsapp payment

1. verify whatsapp is open properly or not
2. verify whatsapp payment option is show properly
3. verify whatsapp any update is exist so sometimes you are not update so thats why payment option is not showing
4. verify your internet connections is on or not if not something problem
5. verify whatsapp server is work properly or not
6. verify scan option is work properly sometimes your qr is not visible properly thats why payment is not successfull
7. whatsapp gives two option first scan and second you select your bank and give payment
8. select your bank than verify your account few second and verify start than your all account in your number connect who showing properly
9. verify your account is right and work properly
10. whatsapp gives so many option like bhimupi, paytm,google pay , phone pe select any one and payment
11. verify all option in your payment methods and figure out its work or not
12. verify your bank account and select your bank no. and payment
13. you are verify in your account verify that message in box is show
14. whatsapp gives so many option to payment verify and pay you want

15. verify select your bank account and gives pass than payment is successful or not
16. verify you pay and payment message is show or not
17. sometimes server down so thats why transaction is failed