

Assignment Module- 2

Q.1 What is Exploratory Testing?

Ans: - Exploratory Testing is a type of Experience Based Testing. It is s concurrent testing where Test design, execution and logging happens simultaneously. Here testing is not recorder often. It is also known as a kind of Adhoc testing with purpose to find bug.

Q.2 What is traceability Testing?

Ans: - Test conditions should be able to be linked back to their sources in the test basis, this is known as traceability. Traceability can be horizontal through all the test documentation for a given test level (e.g., system testing, from test conditions through test cases to test scripts) or it can be vertical through the layers of development documentation (e.g., from requirements to components).

To protect against changes, we should be able to trace back from every system component to the original requirement that caused its presence. A software should be able to help you keeping the virtual table up-to- date.

Types of Traceability testing-

- i) Forward traceability testing.
- ii) Backward Traceability Testing.
- iii) Bi- directional testing.

3 What is Boundary Value Testing?

Ans: - Boundary Value Analysis is a kind of Functional Testing. It is a methodology for designing test cases that concentrate software testing effort on cases near the limit of valid ranges. It is a more refined form of Equivalence testing. This method concentrates software testing efforts at the extreme ends of the equivalence testing.

Q.4 What is Equivalence partitioning testing?

Ans: - It is a kind of Functional Testing. It aims to treat groups of inputs as equivalent and to select one representative input to test them all. It can be used for all levels of testing. In equivalence partitioning, we identify valid equivalence partitions and invalid equivalence partitions.

Q.5 What is Integration Testing?

Ans: - Integration testing is the level of testing process where individual components are combined and tested as a group. It is performed to expose defects in the interfaces and in the interaction between integrated components or system. The drivers and test stubs are used to assist in integration testing. Integration testing tests interfaces or integration between components, interaction to different parts of the system such as an operating system, file system and hardware or interfaces between system. There are two levels of Integration testing-

- i) Component integration testing.
- ii) System integration testing.

Q.6 What determines the level of risk?

Ans: - A properly designed test that passes determines the level of risk. Risk should be evaluated at the business level, technological level, Project level and testing level.

Q.7 What is Alpha testing?

Ans: - Alpha testing is a type of acceptance testing that is performed by the developers at the software development site in a virtual environment. It is always performed within the organization and is not open to the public or market. It comes under the category of both, white box testing and black box testing.

Q.8 What is Beta testing?

Ans: - It is a form of acceptance testing. Beta testing is carried out by users or people at their own location and site, using customer data. It is performed by independent Testing team and in **Real Time Environment**. It is a kind of Black Box testing.

Q.9 What is component testing?

Ans: - A unit is the smallest testable part of the software and unit testing is a level of software testing process where individual unit / component of a software/ system is tested. It is the first level of testing and is performed prior to integration testing. Here the components are tested in isolation- Stubs or drivers may be employed. Unit testing are typically written and run by developers to make sure that the code meets its design and behaves as intended with the debugging tools. The goal of unit / component testing is to isolate each part of the program and see that individual parts are correct. It is done by using "White Box Testing" method.

Q.10 What is functional system testing?

Ans: - A requirement that specifies a function that a system or component must perform. The requirement may exist as text document or a model. There are two types of Test approaches- requirement based functional testing and process-based testing.

Q.11 What is non-functional testing?

Ans: - Testing the attributes of a system or component that do not relate to the functionality, e.g., reliability, usability, efficiency, portability, interoperability etc. It can be tested at all testing levels. Non-functional testing includes, but do not limit to, performance testing, load testing, stress testing, reliability testing, maintainability testing, portability testing etc. It is the testing of "**HOW**" the system works. The term non- functional testing describes the test required to measure the quantifiable characteristics of a system or component, such as response time for performance testing.

Q.12 What is GUI testing?

Ans: - The graphical user interface testing is the process of testing system's GUI of the system under test. It involves checking the screen with the controls like menu, buttons, icons, tool bars, menu bars, dialogue boxes, windows etc. There are three approaches for GUI testing- Manual testing, record & play testing and Model based testing.

Q.13 What is ADHOC testing?

Ans: - It is a kind of white box testing and is an informal testing type with an aim to break the system. It is the technique where the experienced tester is encouraged to think of any situation in which the software may not be able to cope. The main aim of this testing is to find defects by random checking.

Tester tests the system without any test case or business requirement document. Adhoc testing does not follow any structured way of testing and is done randomly on any part of the application.

Q.14 What is Load Testing?

Ans: - It is a kind of performance testing carried out to check system behaviour under load. Testing an application under heavy loads, such as testing of a website under a range of loads to determine at what point the system's response time degrades or fails. It determines a system's performance under real-life load conditions. This testing helps determine how the application behaves when multiple users access it simultaneously. Load testing also helps identify bottlenecks in the system under heavy user stress scenarios before they happen in a production environment.

Q.15 What is stress testing?

Ans: - Stress testing is used to test the stability and reliability of the system. This test mainly determines the system on its robustness and error handling under extremely heavy load conditions. In Stress testing, the system is stressed beyond its specifications to check how and when it fails. It even tests beyond the normal operating point and evaluates how the system works under those extreme conditions. Stress Testing is done to make sure that the system will not crash under crunch situations. Stress testing is also known as Endurance Testing.

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

Ans: - Testing done based on the analysis of internal structure of the component or system is called White Box Testing. In White box testing, the tester concentrates on "how" the software does it. It is typically undertaken at component and component integration testing phase by development team. It is a detailed investigation of internal logic and structure of the code. The tester needs to look inside the source code and find out which unit or chunk is behaving inappropriately. White box techniques are of following types-

- 1) **Branch Condition testing-** It requires that the true and false of each Boolean operand is tested.
- 2) **Branch Condition combination testing-** It would require all combination of a Boolean operands to be tested.
- 3) **Modified condition Decision Testing-** It requires the test cases to show that each Boolean operand can independently affect the outcome of the decision.
- 4) **Dataflow Testing-** It aims to execute sub- paths from point where each variable in a component is defined to point where it is referenced.
- 5) **Linear code sequence and Jump testing-** This requires a model of the source code which identifies control flow jumps (where control flow does not pass-through sequential statement).

Q.17 What is Black Box testing? What are the different Black box testing techniques?

Ans: - Testing without reference to the internal structure of the component or system is called Black Box Testing. They are specification-based technique or input-output driven technique because they view software as a black box with inputs and appropriate outputs. Specification based technique is appropriate at all levels of testing where a specification exists. The tester has no knowledge of how the system or component is structured inside the box. Black box testing is also referred to as a technique of testing without having any knowledge of the interior working of the application. Typically, when performing a black box testing, the tester will interact with the system's user interface by providing inputs and examining outputs without knowing how and where the inputs are worked upon.

Types of Black box testing-

- i) Equivalence partitioning
- ii) Boundary Value Analysis.
- iii) Decision table.
- iv) State transition.
- v) Use Case testing.
- vi) Other Black Box Testing.

Q.18 Mention what are the categories of defects?

Ans: - Any human action that causes in correct result is called an error and identifying the defect is called **Defect**.

The defects can be categorised in following types-

Data quality or database defects- This defect deals with improper handling of data in the database.

Example- Value not deleted or inserted in the table properly. Improper, null or wrong value inserted in place of actual value.

Critical Functionality defects- The occurrence of these defects hampers the critical functionality of the application. Example- Exemptions.

Functionality defects- These defects the functionality of application. Example- All javascript errors.

Buttons, like save, delete, cancel not working properly, Continuous execution of loops etc.

Security Defects- Applications security defects generally involve improper handling of data sent from the user to the application. These defects are the most severe and given highest priority for a fix. Example- Authentication- accepting invalid userID or password. Accepting a page thought permission is not given.

User Interface defects- As the name suggests, this defect deals with the problem related to user interface of the application. For example- Improper error message display, spelling mistakes, alignment not proper etc.

Q.19 Mention what big-bang testing is?

Ans: - Big Bang testing is a kind of integration testing where all the components or modules are integrated simultaneously, and then everything is tested as a whole. Big bang testing is good in a way that everything is finished before integration testing starts. However, the major disadvantage is that it is time consuming and it's difficult to trace the failure because of late integration. Here all the components are integrated at once and then tested. There are two kinds of approaches in Big Bang Testing-

- i) Top-Down Approach
- ii) Bottom-Up Approach.

Q.20 What is the purpose of exit criteria?

Ans: - Purpose of Exit Criteria is to define when we stop testing either at the:

- End of all testing (when the product goes live).
- End of phase of testing (hand over from system test to UAT).

Q.21 When should "Regression Testing" be performed?

Ans: - The purpose of regression testing is to confirm that a recent program or code change has not adversely affected existing features.

Regression testing is carried out:

- When the system is stable and the system or the environment changes.
- When testing bug-fix releases as part of the maintenance phase.

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

Ans: - 7 Key principles are

- **Testing shows presence of defect-** Testing can show presence of defects, however, if no defects are found during testing, it does not mean that there is no error. Testing reduces probability of undiscovered defects remaining in the software but, even if no defects are found, it is not a proof of correctness. As we find more defects, the probability of undiscovered defects remaining in the system reduces.
- **Exhaustive Testing is impossible-** It means that testing everything including all combinations of inputs and preconditions is not possible. It is basically impractical. So, assessing and managing risk is one of the most important activities and reason for testing in any project. That is, we must prioritise our testing efforts using a Risk Based Approach.
- **Early testing-** Testing activity should start as early as possible in the software or system development life cycle and should be focused on defined objectives. Testing activity should start as early as possible in the development cycle. These activities should be focused on defined objectives, which are defined in Test strategies.
- **Defect clustering-** A small number of modules contains most of the defects discovered during pre-release testing, or are responsible for most number of operational failures. In other words, most defects found during testing, are usually confined to a small number of modules. Similarly, most operational failures of a system are usually confined to a small number of modules.
- **Pesticide Paradox-** If the same tests are repeated over and over again, eventually the same test cases will no longer find any new defects. To overcome the pesticide paradox effect, the test case needs to be regularly reviewed and revised, and new and different tests need to be written to exercise different parts of the software or system to potentially find more defects. As bugs are eliminated by the programmers, the software improves. As software improves, the effectiveness of previous tests erodes. Therefore, we must learn, create and use new tests based on new techniques to catch new bugs.
- **Testing is context dependent-** Testing is basically context dependent and is done differently in different contexts. Different kinds of systems are tested differently. For example, safety-critical software is tested differently from an e-commerce website. 3 to 10 failures per thousand lines of code typical for commercial software. 1 to 3 failures per KLOC typical for industrial software. 0.01 failures per KLOC for NASA shuttle code. Also, different industries impose different testing standards.
- **Absence of error fallacy-** If the system built is unusable and does not fulfil the user's needs and expectations then finding and fixing defects does not help. If we build a system and in doing so find and fix defects, it does not make it a good system. Even after defects have been resolved, it may still be unusable and/or does not fulfil the user's needs and expectations.

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

Ans: -

Quality Assurance	Quality Control	Tester
Activities that ensure the implementation of process instead of product, in context of verification of developed software and intended requirements.	Activities which ensure the verification of developed software with respect to documented requirements.	Activities that ensure the identification of bugs/error/defect in the software.
Focuses on process and procedure rather than conducting actual testing on the system.	Focuses on actual testing by executing software with intend to identify bug/defects through implementation of procedures and process.	Focuses on actual testing.
Process oriented activities.	Product oriented activities.	Product Oriented activities.
Preventive activity.	It is corrective activity.	It is preventive activity.
It is a sub set of STLC.	It is a subset of Quality Assurance.	It is a sub set of Quality Control.

Q.24 Difference between Smoke and Sanity?

Ans: -

Smoke Test	Sanity Test
Smoke testing is performed to ascertain that the crucial functionalities of the program are working fine.	Sanity is done to check the new functionality/ bugs have been fixed.
The objective is to verify “stability” of the system in order to proceed with more rigorous testing.	The objective is to verify the “rationality” of the system in order to proceed with more rigorous testing.
Testing is performed by developers or testers.	Sanity testing is performed by Testers.
Smoke testing is a sub set of regression testing.	Sanity testing is a sub set of Acceptance testing.
Smoke testing exercises the entire system from end-to-end.	Sanity testing exercises only particular component of the entire system.
Smoke testing is like a general health check-up.	Sanity testing is like a specialised health check-up.

Q.25 Difference between verification and Validation.

Ans: -

Verification	Validation
Definition- The process of evaluating work-product of a development phase to determine whether they meet the specified requirements for the phase.	Definition- The process of evaluating software during or at the end of the development process to determine whether it satisfies specified business requirement.
Objective- To ensure that the product being built according to the requirements and design specifications. In other words, to ensure that the work product meets their specific requirement.	Objective- To ensure that the product actually meets the user’s needs, and that the specifications were correct in the first place. In other words, to demonstrate that the product

	fulfils its intended use when placed in its intended environment.
It is about “Are we building the product, right?”	It is about “Are we building the right product?”
Evaluation items- Plans, Requirement specifications, Design Specifications, Code, test cases etc.	Evaluation item- The actual product/ software.
Activities- Reviews, Walkthroughs, Inspections.	Activities- Testing

Q.26 Explain types of Performance testing.

Ans: - Performance testing involves testing software applications to ensure they will perform well under their expected workload. There are following types of performance testing-

- **Load Testing-** Its a performance testing to check behaviour under load. Testing an application under heavy loads, such as testing of a web site under a range of loads to determine at what point the system’s response time degrades or fails. Load testing is a kind of performance testing which determines a system’s performance under real life load conditions. This testing helps determine how the application behaves when multiple users access it simultaneously. Some extremely popular sites have suffered serious downtime when they get massive traffic volumes. E- commerce websites invest heavily in advertising campaigns but not in load testing to ensure optimal system performance, when that marketing brings in traffic. Load testing helps identify the bottlenecks in the system under heavy stress scenarios before they happen in a production environment.
- **Stress testing-** System is stressed beyond its specifications to check how and when it fails. Performed under heavy load like putting a large number beyond storage capacity, complex database queries, continuous input to system or database load. Stress testing is used to test the stability and reliability of the system. This test mainly determines the system on its robustness and error handling under extremely heavy load conditions. Stress testing is done to make sure that the system would not crash under crunch situations. It is also known as **Endurance testing**.
- **Spike testing-** Spike testing is a type of performance testing in which an application receives a sudden and extreme increase or decrease in load. The goal of spike testing is to determine the behaviour of a software application when it receives extreme variation in traffic.
- **Volume testing-** It is basically performed to analyse the performance of the system by increasing the volume of data in the database. Volume study is performed to study the impact on response time and behaviour of the system when the volume of data is increased in the database.
- **Scalability testing-** It is the testing of a software application to measure its capability to scale up or scale out in terms of any of its non-functional capability.

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

Ans: - **Error-** A human action that produces an incorrect result is called **error**.

Defect- A flaw in the component or system that can cause the system to fail to perform in its required function.

Failure- Any deviation of an application from its expected delivery, service or result is called failure.

Bug- The defect accepted by the developer team is called bug.

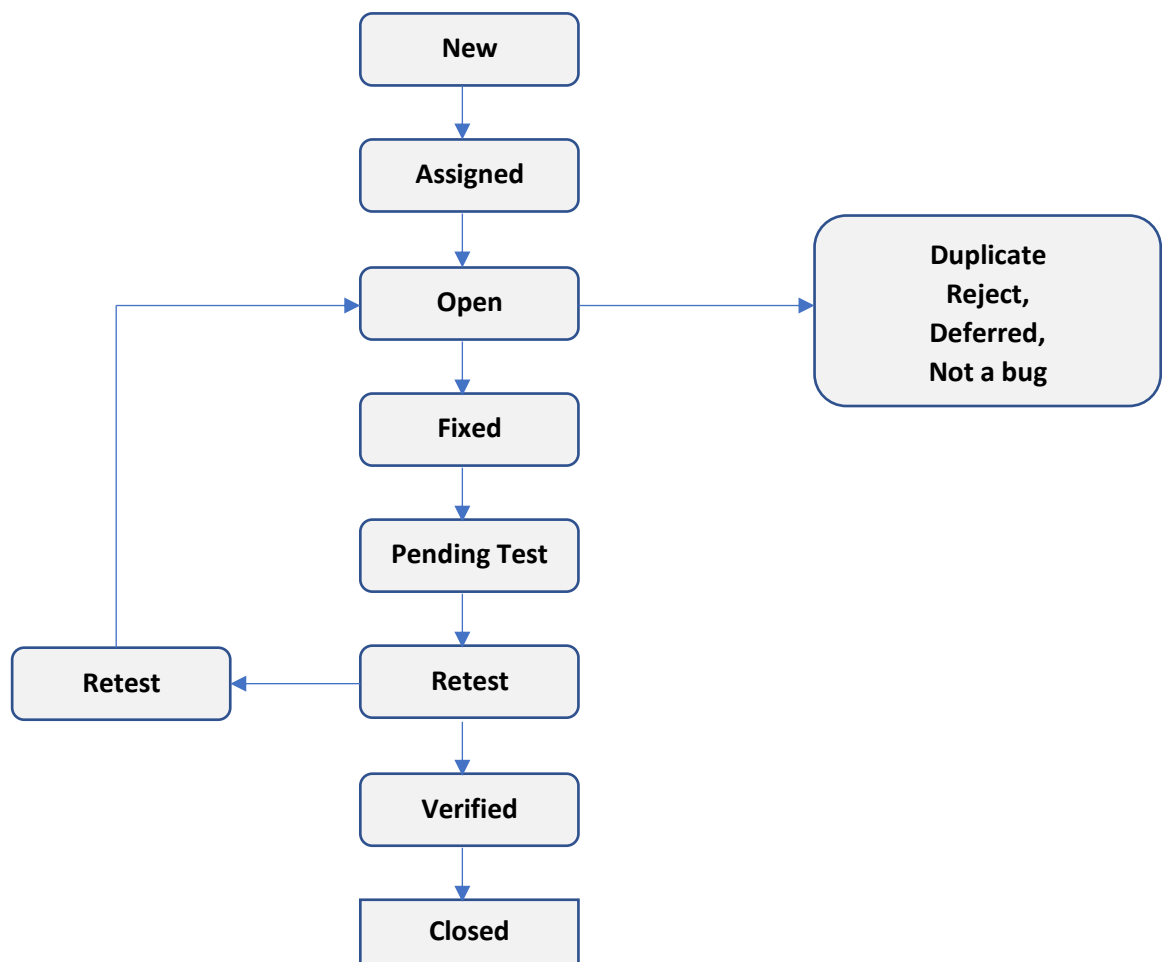
Q.28 Difference between Priority and Severity.

Ans: -

Defect Severity	Defect Priority
Severity is absolute and customer focused.	Priority is relative and business focused.
It is an extent to which the defect can affect the software. In other words, it defines the impact that a defect has on the software.	Priority defines the order in which we should resolve a defect. Should we fix it now or wait?
Example- If an application or web page crashes when a remote link is clicked, in this case clicking the remote link by a user is rare but the impact of application crashing is severe. So, the severity is high but the priority is low.	Example- If the company name is misspelled in the homepage of the website, then the priority is high and severity is low to fix it.
Types of severity- 1) Major (High), 2) Moderate 3) (Medium), 4) Minor (Low), 5) Cosmetic.	Types of priority- 1) Low, 2) Medium, 3) High, 4) Critical.

Q.29 What is Bug Life Cycle?

Ans: - A computer bug is an error, flaw, mistake, failure or fault in a computer program that prevents it from working correctly or produces in correct result. Bugs arise from mistake and errors made by people, in either a program's source code or its design. The duration or time span between the first-time defect is found and the time it is closed successfully, rejected, postponed or deferred is called Bug Life Cycle. When a bug is discovered, it goes through several states and eventually reaches one of the terminal states, where it becomes inactive and closed. Following are the stages in a Bug Life Cycle.



Q.30 Explain the difference between Functional testing and Non-Functional testing.

Ans: -

Functional Testing	Non-Functional Testing
Functional testing is done using the functional specifications provided by the client and verifies the system against the functional requirements.	Non- functional testing checks the performance, reliability, scalability and other non-functional attributes of the software.
Functional testing is executed first.	Non-functional testing is executed after the functional testing.
Manual or automation tools can be used for functional testing.	Using tools will be effective for this testing.
Business requirements are the inputs to functional testing.	Performance parameters like speed, scalability are inputs to non-functional testing.
Manual testing is easy to do in functional testing.	Difficult to perform manual testing.
Types of Functional Testing- Unit testing. Smoke testing. Sanity Testing. Integration Testing. White box testing. Black Box testing. User acceptance testing. Regression testing.	Types of non-functional testing. Performance testing. Load testing. Stress testing. Endurance testing. Volume testing. Security testing. Installation testing. Penetration testing. Compatibility testing. Migration testing.

Q. 31 What is the difference between Software Testing Life Cycle and Software Development Life Cycle?

Ans: -

Parameter	SDLC	STLC
Definition	SDLC is a structure imposed on the development of a software product that defines the process for planning, implementation, testing, documentation, deployment and ongoing maintenance and support.	STLC is a sequence of stages that we go through for testing of software product. Meaning that it is a software testing process that entails several phases.
Relationship	As a whole, it covers the entire life cycle of the software and can be considered the predecessor.	It is a subset of SDLC and only involves testing, it is considered to be successor of SDLC.
Focus	SDLC aims to manage the entire process of software development from start to finish and to deliver quality product that meets client requirements.	The focus is solely on test development and helps to make the testing process more sophisticated, consistent and useful.

Different Phases	Requirement Gathering→ Analysis→ Design→ Implementation→ Testing→ Maintenance	Requirement analysis→ Test planning→ Test Case development→ Test Environment setup→ Test Execution→ Test Cycle closure.
Output	The end result of SDLC is a complete reusable software system.	The end result of STLC is a properly tested software system.

Q. 32 What is the difference between Test Scenarios, Test cases and Test Script?

Ans: - Test Scenario is any functionality that can be tested. It is also called Test condition or test possibility. Test scenario is “What to be tested?”. They are derived from Use-Cases.

Test Case involves set of steps, conditions and input data that are used to perform test. Test case is “How to be tested?” Test cases are derived from Test Scenarios. Test case are a set of input provided to the system and output received from it and comparing it from expected result. Test cases are derived from Test Scenario and it represents single action from user.

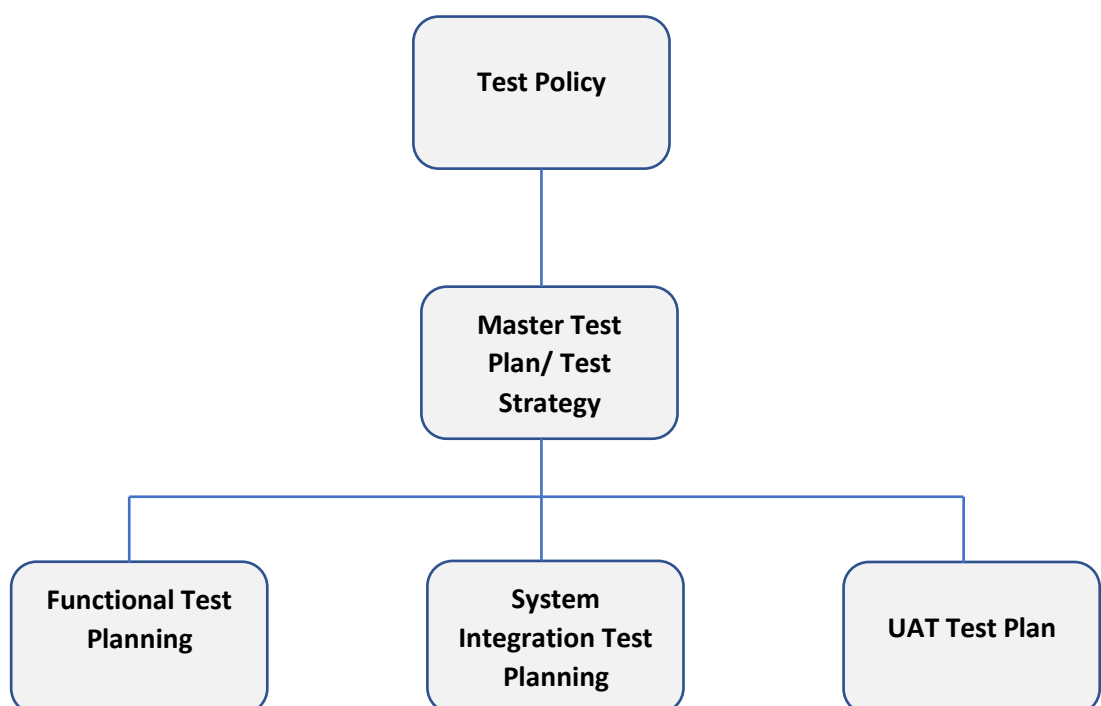
Test Script also known as Test procedures specifications specifies the sequence of actions for a test, i.e., one or more test cases. The test script can be manual or automated.

Q. 33 Explain what a Test plan is? What is the information that should be covered.

Ans: - A document describing the scope, approach, resource and schedule of intended test activities is called Test Plan. Determining the scope and risk and identifying the objective of testing is called Test Planning.

Information that it should include-

- i) **Test Plan & Strategy-** All projects require a set of plans and strategies which define how the testing will be conducted.



- ii) **Test Planning Factors-** Factors which effect test planning-
 Organization's test Policy.
 Scope of the testing being performed.
 Testing Objectives.
 Project Risks for example- business, technical, people.
 Constraints- business imposed, financial, contractual.
 Criticality, for example- system, component etc.
 Testability.
 Availability of resources.
- iii) **Test plans are continuously refined-** As more information becomes available, as new risks arise, old ones mitigate and not set in concrete, but changes must be carefully managed.
- iv) **Test Planning Activities-**
 - **Approach-** Defining the overall approach of testing, including the definition of the test levels and entry and exit criteria.
 - **Integration and coordinating the test activities into the software life cycle activities-** Acquisition, supply, development, operation and maintenance.
 - **Making decision about-** What to test, how to test, when to test and who does test.
 - **Test Ware-** Defining the amount, level of detail, structure and templates for the test documentation.
 - **Process-** Setting the level of detail for test procedures in order to provide enough information to support reproducible test preparation and execution.
- v) **Exit Criteria-**
 - How do we know when to stop-
 - Run out of time?
 - Run out of budget?
 - Boss says stop.
 - All defects have been fixed.

Q. 34 What is Priority and Severity?

Ans: - Priority is relative and business oriented. It defines the order in which we should resolve a defect. The priority is set by the tester to the developer mentioning the time frame to fix the defect.

Severity is absolute and customer focused. It is an extent to which the defect can affect the software. In other words, it defines the impact of the defect on the software system.

Q. 35 Bug categories are...

Ans: - Security, Database, Functionality (Critical/ General), UI.

Q.36 Advantages of Bugzilla.

Ans: - Bugzilla is an open-source bug tracking system that allows developers effectively to keep track of outstanding problems with their product. It is a defect tracking tool, however, it can be used as a test management tool as such it can be easily linked with other test case management tools like Quality Center, Testlink etc.

Bugzilla enables user to stay connected with their clients or employees to communicate about problems effectively throughout the data management chain. Bugzilla also has following advantages-

- It provides advanced search capabilities.

- It provides e-mail notification.
- One can modify / file bugs by email.
- Time tracking.
- It comes with strong security.
- Customization and Localization.

Q. 37 What are the different methodologies in Agile Development Model?

Ans: - The different methodologies in Agile development model are-

Scrum, Kanban and Jira (Defect tracking and management tool)

Q. 38 Explain the difference between Authorization and Authentication in Web Testing. What are the common problems faced in web-testing?

Ans: -

Authorization	Authentication
In authorization process, users' authority is checked to allow access.	In authentication process, the identity of the user is checked to allow the access.
Authorization process comes after user has been authenticated.	Authentication is done before authorization.
It usually needs user's security levels.	It usually needs users' credentials.
Focuses on "What permission do you have?"	Focuses on "Who are you?"
The authorization of user can not be changed by user himself/herself; it can be done by owner of the system.	The authentication details can be changed by user.

Q. 39 When to use Usability Testing?

Ans: - Usability testing is a type of non-functional testing. It is performed when we want to check

- Effectiveness
- Efficiency
- Accuracy
- User friendliness of the system.

Usability Testing identifies usability errors in the system early in development cycle and can save a product from failure.

Q. 40 What is the procedure for GUI Testing?

Ans: - GUI Testing is the process of testing system's user Interface. It involves checking the screens with controls like menu, buttons, logos, icons, type of bars, dialog box etc.

There are three approaches to perform GUI testing: -

- **Manual Based Testing-** In this approach, graphical screens are checked manually by testers in conformance with the requirements stated in business requirement document.
- **Record and Play-** Here the testing is done by Automation tools. This is done in 2 parts- in the first part the steps are recorded and captured while recording. In the second part the recorded steps are executed on the application under test.

- **Model Based Testing**- A model is a graphical representation of system's behaviour. It helps to understand and predict system behaviour. Models help in generating efficient test cases using system requirements.

High Level Requirement- Instagram		
Functionality ID	Functionality Name	Functionality Description
	Website URL	
100	Website URL	While writing the URL, it opens the website.
	Instagram	
200	"Instagram" Button	While clicking on it, nothing happens.
	Log in	
300	"Log in" Button	While clicking, it takes us into the account.
	Log in with Facebook	
400	"Log in with Facebook"	While clicking, it redirects us to Facebook log in page.
	Forgot Password	
500	"Forgot Password" button	While clicking, it redirects us to password reset page.
	Sign up	
600	"Sign up" button	While clicking, it takes us to registration page, for creating an account.
	Get on Google Play	
700	"Get on Google Play" Icon	While clicking, it redirects us to Googla play store.
	Get it from Microsoft	
800	"Get it from Microsoft" Icon	While clicking, it opens Microsoft store.
	Meta	
900	"Meta" Button	While clicking, it takes to Meta's website.
	About	
1000	"About" Button	While clicking, it takes us to "About" page of Instagram website.
	Blog	
1100	"Blog" Button	While clicking, it takes us to blog/ article section of the website.
	Jobs	

1200	"Jobs" button	While clicking, it takes us to career page of the website.
	Help	
1300	"Help" button	While clicking, it redirects us to help page of the website.
	API	
1400	"API" Button	While clicking, it takes us to developer's page of the website.
	Privacy	
1500	"Privacy" button	While clicking, it takes us to the privacy policy page of the website.
	Terms	
1600	"Terms"	While clicking, it takes us to terms and imprint page of the website.
	Top Accounts	
1700	"Top Accounts" button	While clicking, it shows profile directory page.
	Hashtags	
1800	"Hashtags" button	While clicking, it takes us to hastags inventory page.
	Locations	
1900	"Locations" button	While clicking, it shows us List of countries.
	Instagram Lite	
2000	"Instagram lite"	While clicking, it opens Google play store option page to download lite version of Instagram.
	Contact Uplading and Non-Users	
2100	"Contact uploading and non-users"	While clicking, it opens page for synchronising user's contacts from phone to Instagram.

Test Case of Instagram										
Test Case ID	Functionality ID	Test Case Name	Test Description	Pre Condition	Steps	Test Data	Expected Result	Actual Result	Status	Remarks
1	100	Check website URL	Enter a valid URL in Google Chrome	Reliable Internet Connection, Web Browser	Step 1- Open Browser. Step 2- Enter valid URL. Step 3- Press "Enter".	URL- https://www.instagram.com	Open the website.	While entering the website, it takes us to the website.	Pass	
2	100	Check website URL	Enter a valid URL in Microsoft Edge	Reliable Internet Connection, Web Browser	Step 1- Open Browser. Step 2- Enter valid URL. Step 3- Press "Enter".	URL- https://www.instagram.com	Open the website.	While entering the website, it takes us to the website.	Pass	
3	100	Check website URL	Enter a valid URL in Safari	Reliable Internet Connection, Web Browser	Step 1- Open Browser. Step 2- Enter valid URL. Step 3- Press "Enter".	URL- https://www.instagram.com	Open the website.	While entering the website, it takes us to the website.	Pass	
4	100	Check website URL	Enter a valid URL in Internet Explorer	Reliable Internet Connection, Web Browser	Step 1- Open Browser. Step 2- Enter valid URL. Step 3- Press "Enter".	URL- https://www.instagram.com	Open the website.	While entering the website, it takes us to the website.	Pass	
5	200	Check "Instagram" logo	Click on "Instagram" logo" to see if it takes to homepage.	Reliable Internet Connection, Web Browser	Step 1- Open Browser. Step 2- Enter valid URL. Step 3- Press "Enter". Step 4- Click on "Instagram" logo.		It should take us to homepage.	While clicking, nothing happens.	Fail	
6	300	Check "Log in" button	Enter credentials and click on Log in button to see its functionality.	Reliable Internet Connection, Web Browser	Step 1- Open Browser. Step 2- Enter valid URL. Step 3- Press "Enter". Step 4- Enter Username and password. Step 5- Click on "Log in".	Username- hemant_dabhi Password- Verizon@7890	It should log us into the account	It logs us in the account.	Pass	
7	300	Check "Log in" button	Enter invalid credentials and click on "Log in" button	Reliable Internet Connection, Web Browser	Step 1- Open Browser. Step 2- Enter valid URL. Step 3- Press "Enter". Step 4- Enter Username and password. Step 5- Click on "Log in".	Username- hemant_abcd Password- Verizon@7890	It should not allow us to log in to the account.	It does not allow us to log in the account.	Pass	
8	300	Check "Log in" button	Enter invalid credentials and click on "Log in" button	Reliable Internet Connection, Web Browser	Step 1- Open Browser. Step 2- Enter valid URL. Step 3- Press "Enter". Step 4- Enter Username and password. Step 5- Click on "Log in".	Username- hemant_dabhi Password- 1234abcd	It should not allow us to log in to the account.	It does not allow us to log in the account.	Pass	
9	400	Check "Log in with Facebook"	Open the website and click on "Log in with facebook"	Reliable Internet Connection, Web Browser	Step 1- Open Browser. Step 2- Enter valid URL. Step 3- Press "Enter". Step 4- Click on "Log in with facebook"		It should redirect us to facebook log in page.	It redirects us to facebook log in page.	Pass	
10	500	Check "Forgot Password" button	Open the website, enter username and click on "Forgot password" button.	Reliable Internet Connection, Web Browser	Step 1- Open Browser. Step 2- Enter valid URL. Step 3- Press "Enter". Step 4- Enter valid Username.	Username- Hemant_dabhi	It should take us to password redirect page.	It takes us to password redirect page.	Pass	
11	600	Check "Sign up" button	Open the website and click on "Sign up" button.	Reliable Internet Connection, Web Browser	Step 1- Open Browser. Step 2- Enter valid URL. Step 3- Press "Enter". Step 4- Click on "Sign up"		It should take us to Create account page.	While clicking, it takes us to create account page.	Pass	
12	700	Check "Get on Google Play" Icon	Open the website and click on "Get on Google Play" to check the functionality	Reliable Internet Connection, Web Browser, Google account	Step 1- Open Browser. Step 2- Enter valid URL. Step 3- Press "Enter". Step 4- Click on "Get on Google Play"		It should redirect us to google play store, instagram page.	It takes us to Google play store, instagram page.	Pass	
13	800	Check "Get it from Microsoft" Icon	Open the website and click on "Get it from Microsoft" to check the functionality	Reliable Internet Connection, Web Browser	Step 1- Open Browser. Step 2- Enter valid URL. Step 3- Press "Enter". Step 4- Click on "Get it from Microsoft"		It should redirect us to Microsoft store, instagram page.	It redirects us to Microsoft store, instagram page.	Pass	
14	900	Check "Meta" Button	Open the website and click on "Meta" to check the functionality	Reliable Internet Connection, Web Browser	Step 1- Open Browser. Step 2- Enter valid URL. Step 3- Press "Enter". Step 4- Click on "Meta"		It should take us to Meta's Website.	While clicking, it takes us to Meta's website.	Pass	
15	1000	Check "About" Button	Open the website and click on "About" to check the functionality	Reliable Internet Connection, Web Browser	Step 1- Open Browser. Step 2- Enter valid URL. Step 3- Press "Enter". Step 4- Click on "About"		It should take us to "About" page of Instagram Website.	It takes us to "About" page of Instagram Website.	Pass	
16	1100	Check "Blog" Button	Open the website and click on "Blog" to check the functionality	Reliable Internet Connection, Web Browser	Step 1- Open Browser. Step 2- Enter valid URL. Step 3- Press "Enter". Step 4- Click on "Blog"		It should take us to blog/ article page of Instagram Website.	It takes us to blog/ article page of Instagram Website.	Pass	
17	1200	Check "Jobs" button	Open the website and click on "Jobs" to check the functionality	Reliable Internet Connection, Web Browser	Step 1- Open Browser. Step 2- Enter valid URL. Step 3- Press "Enter". Step 4- Click on "Jobs"		It should take us to jobs/ career page of Instagram Website.	It takes us to jobs/ career page of Instagram Website.	Pass	
18	1300	Check "Help" button	Open the website and click on "help" to check the functionality	Reliable Internet Connection, Web Browser	Step 1- Open Browser. Step 2- Enter valid URL. Step 3- Press "Enter". Step 4- Click on "Help"		It should take us to help page (help center) of Instagram Website.	It takes us to help page (help center) of Instagram Website.	Pass	

19	1400	Check "API" Button	Open the website and click on "API" to check the functionality	Reliable Internet Connection, Web Browser	Step 1- Open Browser. Step 2- Enter valid URL. Step 3- Press "Enter". Step 4- Click on "API"		It should take us to developers page of Instagram (Meta) Website.	It takes us to developers page of Instagram (Meta) Website.	Pass	
20	1500	Check "Privacy" button	Open the website and click on "Privacy" to check the functionality	Reliable Internet Connection, Web Browser	Step 1- Open Browser. Step 2- Enter valid URL. Step 3- Press "Enter". Step 4- Click on "Privacy"		It should take us to Privacy page of Instagram (Meta) Website.	It takes us to Privacy page of Instagram (Meta) Website.	Pass	
21	1600	Check "Terms" button	Open the website and click on "Terms" to check the functionality	Reliable Internet Connection, Web Browser	Step 1- Open Browser. Step 2- Enter valid URL. Step 3- Press "Enter". Step 4- Click on "Terms"		It should take us to Terms & policies page of Instagram (Meta) Website.	It takes us to Terms & policies page of Instagram (Meta) Website.	Pass	
22	1700	Check "Top Accounts" button	Open the website and click on "Top Accounts" to check the functionality	Reliable Internet Connection, Web Browser	Step 1- Open Browser. Step 2- Enter valid URL. Step 3- Press "Enter". Step 4- Click on "Top Accounts"		It should take us to Top accounts of Instagram (Meta) Website.	While clicking, it takes us to Profiles directory	Pass	
23	1800	Check "Hashtags" button	Open the website and click on "Hashtags" to check the functionality	Reliable Internet Connection, Web Browser	Step 1- Open Browser. Step 2- Enter valid URL. Step 3- Press "Enter". Step 4- Click on "Hashtags"		It should take us to Hashtag inventory page of Instagram (Meta) Website.	It takes us to Hashtag Directory page of Instagram (Meta) Website.	Pass	
24	1900	Check "Locations" button	Open the website and click on "Locations" to check the functionality	Reliable Internet Connection, Web Browser	Step 1- Open Browser. Step 2- Enter valid URL. Step 3- Press "Enter". Step 4- Click on "Locations"		It should show list of various locations.	It shows list of various countries.	Pass	
25	2000	Check "Instagram lite"	Open the website and click on "Instagram Lite" to check the functionality	Reliable Internet Connection, Web Browser	Step 1- Open Browser. Step 2- Enter valid URL. Step 3- Press "Enter". Step 4- Click on "Instagram Lite"		It should redirect us to play store for downloading "Instagram Lite"	It takes us to play store allowing us to download Instagram Lite.	Pass	
26	2100	Check "Contact uploading and non-users"	Open the website and click on "Contact uploading and non-users" to check the functionality	Reliable Internet Connection, Web Browser	Step 1- Open Browser. Step 2- Enter valid URL. Step 3- Press "Enter". Step 4- Click on "Contact uploading and non-users"		It should take us to page which can help us synchronize contact to Instagram.	While clicking, it takes us to Help Center section which shows how to sync contact and find people.	Pass	

High Level Requirement- Facebook

Functionality ID	Functionality Name	Functionality Description
	Website URL	
100	Website URL	While clicking, it opens the website.
	Log In	
200	"Log in" button	While clicking, it logs in to the user's account.
	Forfot Password	
300	"Forgot Password" button	While clicking, it takes us to account identification page.
	Create New Account	
400	"Create New Account" button	While clicking, it takes us to new account sign up page.
	Create a Page	
500	"Create a Page" button (For celebrity, brand or business)	While clicking, it asks us to select category of the page we want to create.
	Language	
600	"Hindi" button	While clicking, it changes the page in to Hindi Language.
	Sign Up	
700	"Sign Up" button	While clicking, it takes us to sign up page, where we can create a new account.
	Log in	
800	"Log in" Button	While clicking, it takes us to log in page.
	Messenger	
900	"Messenger" button	While clicking, it redirects us to messenger's website, where we have an option to log in.
	Facebook lite	
1000	"Facebook lite" button	While clicking, it takes us to facebook lite version's page.
	Watch	

1001	"Watch" button	While clicking, it takes us to watch page of facebook where we can see number of videos.
	Places	
1002	"Places" button	While clicking, it takes us to page of facebook where we see details of number of places across the worls.
	Games	
1003	"Games" button	While clicking, it shows error message stating " This page isn't working".
	Marketplace	
1004	"Marketplace" button	While clicking, it takes us to Marketplace page.
	Meta Pay	
1005	"Meta Pay" button	While clicking, it redirects us to Metapay section.
	Oculus	
1006	"Oculus" button	While clicking, it redirects to Oculus Virtual reality website.
	Portal	
1007	"Portal" button	While clicking, it redeirects to Meta portal website.
	Instagram	
1008	"Instagram" button	While clicking, it redirects to instagram website log in page.
	Newsletter	
1009	"Newsletter" button	hile clicking, it redirects to bulletin website showing news from various topic.
	Donation Collection	
1010	"Donation Colection" button	While clicking, it takes us to facebook fundraiser page.
	Services	
1011	"Services" button	While clicking, it takes us to Facebook services directory.
	Voting Information Center	
1012	"Voting Information center" button	While clicking, it takes us to Facebook Voting information page.
	Groups	

1013	"Groups" button	While clicking, it takes us to Facebook groups page.
	About	
1014	"About" button	While clicking, it redirects to Meta about us.
	Create Ad	
1015	"Create Ad" button	While clicking, it takes us to Facebook ad creation page.
	Create Page	
1016	"Create Page" button	While clicking, it takes us to "Create a page" section.
	Developers	
1017	"Developers" button	While clicking, it takes us to Facebook developers page (Meta for developers)
	Careers	
1018	"Careers" page	While clicking, it takes us to Meta's career page.
	Privacy Policy	
1019	"Privacy Policy" button	While clicking, it takes us to Privacy Policy page.
	Privacy Center	
1020	"Privacy center" button	While clicking, it takes us to Meta Privacy center page.
	Cookies	
1021	"Cookies" button	While clicking, It takes us to cookies and its policies' page.
	AdChoices	
1022	"AdChoices" button	While clicking, it take s us to advertising preferences page.
	Terms	
1023	"Terms" button	While clicking, it takes us to Terms and policies page.
	Help	
1024	"Help" button	While clicking, it takes us to help center page.
	Contact uploading and non-users	
1025	"Contact uploading and non-users" button	While clicking, it takes us to Friending section inside help center.

High Level Requirement- WhatsappWeb		
Functionality ID	Functionality Name	Functionality Description
	Website URL	
100	Website URL	While clicking, it opens the website.
	Need help to get started	
200	"Need help to get started" button	While clicking, it takes us to Whatsapp's help center page.
	QR code	
300	QR code scanner	While scanning it from a mobile device, it links the whatsapp account.
	Play	
400	Play button	While clicking, it starts to play a video tuorial.

High Level Requirement- Artoftesting

Functionality ID	Functionality Name	Functionality Description
	Website URL	
100	Website URL	While clicking, it opens the website.
	Contact us	
200	"Contact us" button	While clicking, it takes us to contact up page.
	Artoftesting logo	
300	"Artoftesting" logo	While clicking, it takes us to the homepage.
	Submit	
400	"Submit" button	After entering the required detail, if we click the button, it gives us a confirmation message.
	Software testing tutorial	
500	"Software testing tutorial" button	While clicking, it takes us to software testing tutorial page.
	Selenium Tutorial	
600	"Selenium Tutorial" button	While clicking, it takes us to Selenium tutorial page.
	Java for testers	
700	"Java for testers" button	While clicking, it takes us to tutorials for "java for testers".
	Jmeter tutorials	
800	"Jmeter tutorial"	While clicking it takes us to Jmeter tutorial page.
	Katalon Studio Tutorial	
900	"Katalon Studio Tutorial" button	While clicking, it takes us to katalon tutorials page.
	About Us	
1000	"About us" button	While clicking, it takes us to about us page.

	Disclaimer	
1100	"Disclaimer" button	While clicking, it takes us to Disclaimer page of the website.
	Terms of Service	
1200	"Terms of Service" button	While clicking, it take us to terms of service page.
	Privacy Policy	
1300	"Privacy Policy" button	While clicking, it takes us to privacy policy page of the website.
	DMCA Protected	
1400	"DMCA Protected" button	While clicking, it redirects us to DMCA's website

Test Case ArtOfTesting										
Test Case ID	Functionality ID	Test Case Name	Test Description	Pre Condition	Steps	Test Data	Expected Result	Actual Result	Status	Remarks
1	100	Check Website URL	Check if the Website URL works in Google Chrome .	Reliable Internet Connection, Web Browser	Step 1- Open Browser. Step 2- Type URL. Step 3- Press Enter.	URL- https://artoftesting.com/	It should open the website.	It opens the website.	Pass	
2	100	Check Website URL	Check if the Website URL works in Microsoft Edge .	Reliable Internet Connection, Web Browser	Step 1- Open Browser. Step 2- Type URL. Step 3- Press Enter.	URL- https://artoftesting.com/	It should open the website.	It opens the website.	Pass	
3	100	Check Website URL	Check if the Website URL works in Safari .	Reliable Internet Connection, Web Browser	Step 1- Open Browser. Step 2- Type URL. Step 3- Press Enter.	URL- https://artoftesting.com/	It should open the website.	It opens the website.	Pass	
4	100	Check Website URL	Check if the Website URL works in Internet Explorer.	Reliable Internet Connection, Web Browser	Step 1- Open Browser. Step 2- Type URL. Step 3- Press Enter.	URL- https://artoftesting.com/	It should open the website.	It opens the website.	Pass	
5	200	Check "Contact us" cutton	Open the website and click on "Contact us"	Reliable Internet Connection, Web Browser	Step 1- Open Browser. Step 2- Type URL. Step 3- Press Enter. Step 4- Click on "Contact us"		It should open the contact us page.	It takes us to the "Contact us" page.	Pass	
6	300	Check "Artoftesting" logo	Open the website and click on "Artoftesting" logo to check its functionality.	Reliable Internet Connection, Web Browser	Step 1- Open Browser. Step 2- Type URL. Step 3- Press Enter. Step 4- Click on "Contact us" Step 5- Click on "Artoftesting" logo.		It should take us to the homepage of the website.	It takes us to the homepage of the website.	Pass	
7	400	Check "Submit" button	In the contact us page, fill in the required details and click on "Submit"	Reliable Internet Connection, Web Browser	Step 1- Open Browser. Step 2- Type URL. Step 3- Press Enter. Step 4- Click on "Contact us" Step 5- Enter First name and Last name. Step 6- Enter email id. Step 7- Enter Subject. Step 8- Write down the comment. Step 9- Click "Submit"	First name- Hemant. Last name- Dabhi. Email- hemant_dbh@yahoo.co.in Subject- Testing Comment- The website is really helpful.	It should submit the comment succesfully and show a confirmation screen			
8	400	Check "Submit" button	In the contact us page, fill in the first name, Last name, subject and enter invalid format in email. Then click on "Submit"	Reliable Internet Connection, Web Browser	Step 1- Open Browser. Step 2- Type URL. Step 3- Press Enter. Step 4- Click on "Contact us" Step 5- Enter First name and Last name. Step 6- Enter email id (in correct format). Step 7- Enter Subject. Step 8- Write down the comment. Step 9- Click "Submit"	First name- Hemant. Last name- Dabhi. Email- hemant_abc Subject- Testing Comment- The website is really helpful.	It should not submit the comment and should display error message as email id is in incorrect format.	It does not accept the data and displays a message "Please enter a valid email address".	Pass	
9	500	Check "Software testing tutorial" button.	In the contact us page, click on "Software testing tutorial"	Reliable Internet Connection, Web Browser	Step 1- Open Browser. Step 2- Type URL. Step 3- Press Enter. Step 4- Click on "Contact us" Step 5- Click on "Software testing tutorial"		It should take us to page having software testing tutorials.	It takes us to the page having software testing tutorials.	Pass	
10	600	Check "Selenium Tutorial" button	In the contact us page, click on "Selenium Tutorial" button	Reliable Internet Connection, Web Browser	Step 1- Open Browser. Step 2- Type URL. Step 3- Press Enter. Step 4- Click on "Contact us" Step 5- Click on "Selenium Tutorial".		It should take us to page having Selenium tutorials.	It takes us to the page having selenium tutorials.	Pass	
11	700	Check "Java for testers" button	In the contact us page, click on "Java for testers" button	Reliable Internet Connection, Web Browser	Step 1- Open Browser. Step 2- Type URL. Step 3- Press Enter. Step 4- Click on "Contact us" Step 5- Click on "Java for testers".		It should take us to page having "Java for testers" tutorials.	It takes us to the page having Java for testers tutorials.	Pass	
12	800	Check "Jmeter tutorial"	In the contact us page, click on "Jmeter tutorial"	Reliable Internet Connection, Web Browser	Step 1- Open Browser. Step 2- Type URL. Step 3- Press Enter. Step 4- Click on "Contact us" Step 5- Click on "Jmeter tutorial"		It should take us to page having Jmeter tutorials.	It takes us to the page having Jmeter tutorials.	Pass	
13	900	"Katalon Studio Tutorial" button	In the contact us page, click on "Katalon Studio Tutorial" button	Reliable Internet Connection, Web Browser	Step 1- Open Browser. Step 2- Type URL. Step 3- Press Enter. Step 4- Click on "Contact us" Step 5- Click on "Katalon Studio Tutorial".		It should take us to page having Katalon Studio tutorials.	It takes us to the page having Katalon Studio tutorials.	Pass	
14	1000	Check "About us" button	In the contact us page, click on "About us" button	Reliable Internet Connection, Web Browser	Step 1- Open Browser. Step 2- Type URL. Step 3- Press Enter. Step 4- Click on "Contact us" Step 5- Click on "About us".		It should take us to About us page.	It takes us to About us page.	Pass	
15	1100	Check "Disclaimer" button	In the contact us page, click on "Disclaimer" button	Reliable Internet Connection, Web Browser	Step 1- Open Browser. Step 2- Type URL. Step 3- Press Enter. Step 4- Click on "Contact us" Step 5- Click on "Disclaimer".		It should take us to Disclaimer page.	It takes us to Disclaimer page.	Pass	
16	1200	Check "Terms of Service" button	In the contact us page, click on "Terms of Service" button.	Reliable Internet Connection, Web Browser	Step 1- Open Browser. Step 2- Type URL. Step 3- Press Enter. Step 4- Click on "Contact us" Step 5- Click on "Terms of Service"		It should take us to Terms of Service page.	It takes us to Terms of Service page.	Pass	
17	1300	Check "Privacy Policy" button	In the contact us page, click on "Privacy policy", to check its functionality	Reliable Internet Connection, Web Browser	Step 1- Open Browser. Step 2- Type URL. Step 3- Press Enter. Step 4- Click on "Contact us" Step 5- Click on "Privacy Policy"		It should take us to Privacy Policy page.	It takes us to Privacy Policy page.	Pass	
18	400	Check "DMCA Protected" button	In the contact us page, click on "DMCA Protected", to check its functionality	Reliable Internet Connection, Web Browser	Step 1- Open Browser. Step 2- Type URL. Step 3- Press Enter. Step 4- Click on "Contact us" Step 5- Click on "DMCA Protected"		It should take us to DMCA Website	It dredirects us to DMCA's website.	Pass	

Test Scenario for WhatsApp Message

Test Scenario ID	Positive Test Scenario	Negative Test Scenario
1	Verify that the application is updated.	One cannot send more than 5 images at a time.
2	Verify that the DP is appropriate and properly visible.	User cannot share images while video call/ audio call.
3	Verify if the App lock is activated or not.	Whatsapp Calling feature is not available in all countries.
4	Verify that two-step verification is On or OFF.	User cannot send large video files, audio files, photos, more than 16 MB.
5	Verify that you are registered with correct number.	User cannot share Document file larger than 100 MB.
6	Verify that the "Read Receipt" feature is set ON or OFF.	User cannot send message to another user without knowing his/her contact number.
7	Verify if the Notification is set ON or OFF.	Deleted messages leave a trace.
8	Verify if Media Auto-download feature is set ON or OFF.	
9	Verify if WhatsApp application has access to mic, camera, contacts etc.	
10	Verify in the privacy settings, who can add you to the group.	
11	Verify if Notification for certain groups are turned Mute.	
12	Verify that the keyboard displays all the languages that the user has selected.	
13	Verify that the chat backup schedule is set as per requirement.	
14	Verify that the user is able to email / export the chat.	
15	Verify that the user is able to synchronise whatsapp to laptop/ desktop through WhtasApp version.	
16	Verify that the disappearing message feature is working properly.	

Test Scenario for Pen

Test Scenario ID	Positive Test Scenario	Negative Test Scenario
1	Verify that it is a ball point pen, gel pen or ink pen.	It can only write when in downward direction.
2	Verify the colour of the ink inside the pen.	Same pen can not write on all surfaces.
3	Verify if the brand of the pen is as per the requirement.	Ink pens have chances of getting leaked easily.
4	Verify if the cap comes with Cap or without cap.	The ink inside the pen dries if it stays unused for longer time.
5	Verify if the ink from the pen is not leaking.	The holder of the pen cap is delicate and breaks easily.
6	Verify if the refill of the pen is readily available.	The pen cap are not sold separately.
7	Verify if the ink of the pen is erasable or not.	Refill of one type of pen cannot be used for another type of pen.
8	Verify if the pen is suitable to write on the surface we want it to write.	
9	Verify that grip of the pen is suitable to the user.	
10	Verify that the ink is coming out consistently, while writing.	

Test Scenario for Pen Stand

Test Scenario ID	Positive Test Scenario	Negative Test Scenario
1	Verify that the pen stand is able to hold enough number of pen.	It can only hold limited number of pens.
2	Verify that the colour is per the requirement.	It is available in limited number of sizes and colour.
3	Verify the design of the stand is as per requirement.	
4	Verify that it is not too big for the table.	
5	Verify the stand if it is for table or wall mounted.	

Test Scenario for Door

Test Scenario ID	Positive Test Scenario	Negative Test Scenario
1	Verify that all the sides of door are smooth and polished.	The handle of the locks gets jammed if not operated properly.
2	Verify that the dor is as per the specification and requirement.	Sliders of the sliding doors malfunctions on a long run.
3	Verify that the lift doors are opening with a descent pace and ate left open for enough time.	Wooden doors are likely to be attacked by termites.
4	Verify that the hydraulics of the doors are working properly.	Metro dors are open only for limited time.
5	Verify that the handle on the door is strong and reliable.	Glass doors are required to be handled carefully.
6	Verify that the glass doors are cleaned regularly.	Lift doors opens slowly and one has to wait for it to be opened.
7	Verify doors open signal in the car before starting to driving the car.	Metal doors are likely to get corroded over time.
8	Verify that emergency exit doors are easy to opperate.	
9	Verify that emergency exit doors are easily accessible.	
10	Verify that the main door of the house are large enough to bring in all the furniture and other miscellaneous things.	
11	Verify that the door lock's keys are working properly.	
12	Verify if the door is opening inwards or downwards.	
13	Verify that the peek-hole glass is working properly.	
14	Verify that the door is not making noise while operation.	
15	Verify that the dor is properly aligned with its frame.	

Test Scenario for ATM

Test Scenario ID	Positive Test Scenario	Negative Test Scenario
1	Verify that we have enough balance in the bank account.	One cannot withdraw money, if the cash inside the machine is out of stock.
2	Verify that we remember correct pin.	Money that can be withdrawn depends upon the dinominations available inside the machine.
3	Verify that the Debit/Credit card is not expired.	One has to be quick to take the cash from the machine, as the cash will get back inside the machine if not taken in certain time.
4	Verify to insert the card in the machine with the magnetic strip in the correct direction	The touchscreen is becomes less responsive after too many of usage.
5	Verify that the magnetic strip is not damaged.	Many times the machine displays message that it is "out of order".
6	Verify to select the correct language.	Only limited transactions are free per month.
7	Verify, if the ATM is touch screen or it had external buttons.	If the paper coil for the receipt is over, one does not get the print out of receipt.
8	Verify that the pin is displayed while masked.	Most of the ATM does not have accebility for differently abled people.
9	Verify that user is allowed just one transaction per pin request.	No provision to exchange the cash, if the cash note is in poor condition or torn off.
10	Verify that the ATM has backup power supply.	Limited cash can be disbursed per user per transaction.
11	Verify that the machine display appropriate message if it runs out of money.	ATM machine is not readily available in rural areas.
12	Verify that the user session is timed out after every transaction.	User interface is not easy for people from rural area.

Test Scenario for Microwave Oven

Test Scenario ID	Positive Test Scenario	Negative Test Scenario
1	Verify that the Oven works well at the voltage supply available in the kitchen, where it will be used.	Metal plates or dishes cannot be used for microwave oven.
2	Verify that there is no short-circuit in the wiring.	It only heats items that has water molecules.
3	Verify that it is earthed properly.	Microwave also possess properties that could impact the quality of food, thus hampering the health.
4	Verify that the size is as per the requirement.	It needs to be placed near a power source.
5	Verify that it is placed away from the wall, so that the air circulation is enough.	The power should not be fluctuating and should be stable.
6	Verify that the rotating dish is working properly.	It operates at certain power supply, so it can not be used in another country if it is manufactured for specific country.
7	Verify that the lamp inside the oven is working properly.	The size of dish or plate that can be placed is limited.
8	Verify to read the manual before starting to use it.	Ovens from different companies have different user interface.
9	Verify that the door of the oven is functioning properly.	One has to make sure to wear gloves before taking out the heated food.
10	Verify that the oven is placed at a height from where the digital screen is displayed properly.	It impacts wifi signals or any other electromagnetic waves and brings disturbance.
11	Verify that the time regulator and temperature operates properly.	
12	Verify that the oven is placed near the power source and the chord is not stretched to much.	

Test Scenario for Coffee Vending Machine		
Test scenario ID	Positive Test Scenario	Negative Test Scenario
1	Verify that the size is as per the requirement.	It needs to be placed near a power source.
2	Verify to read the manual before starting to use it.	It can only serve certain amount of coffee in one serving.
3	Verify that the machine is using coffee beans or capsules or filter coffee.	The digital display is delicate and needs to be handled with utmost care.
4	Verify that the output coffee serving is as per the requirement.	The waste needs to be disposed after certain time interval.
5	Verify that the touchscreen is functioning properly.	Coffee powder, hot water, Coffee beans or capsules are required to be put inside the machine regularly after certain time interval.
6	Verify that the water or milk indicators are working properly.	Coffee machines at certain outlets only accept cash and does not accept digital payments.
7	Verify that it has proper mechanism for waste disposal.	Limited range of coffee flavours are available.
8	Verify that the coffee capsules are readily available.	Capsules manufactured by one company can not be used for another company.
9		In case of any fault in the machine, we need to call specialist.
10		Filter of the coffee machine needs to be changed after certain number of servings.
11		Spare parts of the machine are not readily available if the machine is old or obsolete.

Test Scenario for Chair		
Test Scenario ID	Positive Test Scenario	Negative Test Scenario
1	Verify that the chair is strong enough to withstand the weight.	It produces back ache if sat for long time.
2	Verify that the weight and size of the chair is as per requirement.	It can carry certain amount of weight.
3	Verify that it is comfortable for sitting even if for longer durations.	Ball bearing of the chair needs to be oiled/ lubricated regularly.
4	Verify that the material of the chair is as per the requirement.	The shine of the chairs dulls out after certain time.
5	Verify that the leg room is enough, in case of car chair.	Same chair is not usable for al purpose, for example dinner chair can not be used as gaming chair.
6	Verify that the chair rotates smoothly, in case of revolving chair.	Hydraulics of the chair stops working properly after some time.
7	Verify that the wheels of the chair are operating properly, in case of wheelchairs.	The cushion of the chair becomes less soft with time and needs to be replaced.
8	Verify that the colour of the chair is as per requirement.	The position of chair needs to be adjusted as per the height of the individual, in case of car chair.
9		For recliner chairs, if the button stops working, it can only be fixed by specialist.
10		The leg room is not enough for certain car types.

Test Scenario for Wrist Watch		
Test Scenario ID	Positive Test Scenario	Negative Test Scenario
1	Verify that the band of the watch is sized for your wrist.	It has limited size available, depending on the holes on the band.
2	Verify that the material of the watch is as per your requirement.	The battery dies after certain time and we need to recharge it or change the battery.
3	Verify that it is analog or digital as per your requirement.	They are waterproof upto certain depth.
4	Verify that its buttons works properly.	The bluetooth watch needs to be at a certain distance from the phone with which it is connected.
5	Verify that the battery works properly.	The dial or display are delicate so we have to use them carefully.
6	Verify that it is sweatproof.	If the belt is of leather material, it needs to be kept away from water.
7	Verify that it has provisions so that time can be seen during night.	Different watches are required for different purpose, for example sports watch can not be used during professional meeting.
8	Verify that the watch is shockproof.	
9	Verify that the hour, minute and second hands are working properly.	
10	Verify the time format, if it is 12h or 24h.	

Test Scenario for Lift (Elevator)		
Test Scenario ID	Positive Test Scenario	Negative Test Scenario
1	Verify that the door closes properly.	It stops at all the floors where other people have called the lift.
2	Verify that number of people entering the lift is within the permissible limit.	It can accommodate limited number of person.
3	Verify that light and fan inside the lift are working properly.	We have to wait for the lift to come and let the door open.
4	Verify that alternate electricity source is available for the lift in case of emergency power cut.	Once you have pressed the button for a specific floor, you cannot undo it.
5	Verify that the lift is going through regular maintenance and check ups.	If you have forgotten your access card, you cannot operate the lift.
6	Verify that there is enough air circulation.	If the lift does not have back up power facility, we can get stuck inside the lift during emergency power cut.
7	Verify that lift gives warning signal in case of over weight.	While leaving the elevator, we have to be careful.
8	Verify that interior of the lift displays the floor.	Different elevators are to be used for going in different directions.
9	Verify that the lift is stopping based on the button pressed for the corresponding floor.	For the lift, the door can not be kept open for more than certain time period.
10	Verify that the auto close door are responsive to any object coming in its way.	The lift or the elevators are required to be checked and properly maintained regularly.
11	Verify that the lift has emergency call facility and is operating properly.	

Test Scenario for WhatsApp Web		
Test Scenario ID	Positive Test Scenario	Negative Test Scenario
1	Verify that the person we want to add, has an account on WhatsApp.	The contact we want to add must have a whatsapp account.
2	Verify to add the correcr person if there are more than 1 person in our contact list with same name.	The contact we want to add must be in our contact list.
3	Verify that the WhatsApp is an updated version.	The whatsapp group can only have 512 members.
4	Verify that the contact we want to add has not turned ON the privacy setting to get added by others in whatsapp group.	We need to keep checking for udates to make sure that it is up-to-date.
5	Verify that the we are entering the correct spelling of the contact we want to add.	Not everybody can add members in the group. Only Admins have the right to add.
6	Verify that the person we want to add is already in our contact list.	Not everybody can send messages in the group. Admin can decide who should be given rights to send messages in the group.
7	Verify to assign "Admin" status to the contacts we want to asign.	The maximum file size that can be sent is 16 MB. (Photo, video, voice message)
8	Verify who can send messages in the group.	In case of documets, the maximum alowed file size is 100 MB.
9	Verify that appropriate "Group Description" has been provided.	Sometimes we get notifications for the messages in the group, which are not pertaining to us.
10	Verify that the contact we want to add in the group has been informed about it.	Every member of the group can send private message to another member.
11	Verify that the status of "Disappearing Message" is Tirned ON or OFF as per the requirement.	
12	Verify that the apprpriate background for the chat has been selected.	
13	Verify that aprpriate Wallpaper has been chosen for the group.	

Test Scenario for Instagram (Video call with Chat)		
Test Scenario ID	Positive Test Scenario	Negative Test Scenario
1	Verify that we are adding the correct person to the video chat, as there are number of people with same name.	The invitees should be either in Facebook or Instagram.
2	Verify that both the front camera and the rear cameras are working properly.	We can not share the screen while video call.
3	Verify that the person we want to Video Chat, has not turned ON "Don't receive request".	Video chat can be done with limited number of 50 participants at a time.
4	Verify that the Instagram app is up-to-date.	
5	Verify that the Minimize icon, "X" icons are working properly.	
6	Verify that Instagram has been granted access to use your camera and mic.	

Test Scenario for Whatsapp Payment		
Test Scenario ID	Positive Test Scenario	Negative Test Scenario
1	Verify that the WhatsApp application is up-to-date.	WhatsApp feature is only available for India and Brazil.
2	Verify that the bank account is synchronised with whatsapp account.	Maximum of Rs. 1,00,000 can be transferred in a day.
3	Verify that the mobile number which is registered in WhatsApp is also linked with the bank account.	The same mobile number that is registered with Whatsapp, should be linked with your bank account.
4	Verify that we are selecting correct contact to whom we are sending the money.	You can make the money transfers 20 times a day. (To same VPA or different VPA)
5	Verify that the internet connection is secured and reliable.	
6	Verify that the amount we are transferring is within permissible limit.	
7	Verify that you are entering correct UPI ID, if the transferee is not using WhatsApp Payment mechanism.	
8	Verify that you are entering correct UPI Pin.	

Test Scenario for Flipkart		
Test Scenario ID	Positive Test Scenario	Negative Test Scenario
1	Verify that the product in the cart is exactly what you need.	It does not deliver in all locations.
2	Verify that the specification of the product are as per your requirement.	We can not touch or see the product physically before buying.
3	Verify that the date of delivery is as per your requirement.	We have to read the note carefully to see if the product has refund policy.
4	Verify the refund policy of the product and the seller.	We have to check if the product comes with guarantty or warranty.
5	Verify the number of product in the cart is as per the requirement.	We have to wait for 2-3 days for the product to be delivered.
6	Verify that the seller is delivering in the area where you are living.	The product can not be returned after e.g. 15 days from the delivery (number of days specified by the seller).
7	Verify if there is extra delivery charges or is the delivery free in your area.	There have been instances where the product delivered is completely different from the product ordered.
8	Verify if the product comes with any guarantee or warranty.	The website does not work properly during festive season due to heavy traffic.
9	Verify the reviews of the product.	The product that we are loking for might not be in stock.
10	Verify the user manual and instruction for use.	Credit or Debit card from only few banks (not from all banks) are eligible for special discounts.
11	Verify if we can apply any coupon code.	For the same product, different sellers have different discounts.
12	Verify if the product accepts Cash on delivery or online payment/ UPI payment.	
13	Verify if the seller has exchange option available, specially in case of electronic device purchases.	
14	Verify that "Add to wish list", "Share" buttons are working properly.	
15	Verify if the product requires installation separately.	
16	Verify the expiry date of the product, in case of consumable products.	

Test Scenario for Gmail		
Test Scenario ID	Positive Test Scenario	Negative Test Scenario
1	Verify that we are entering correct user name and password to log in.	We can undo any sent message after 30 seconds.
2	Verify if the theme is as per the requirement.	There are no ways to stop spam messages.
3	Verify if the "Inbox type" is selected as per the requirement.	Only 15 GB data is available for free, for more than that we need to buy extra space.
4	Verify if the "Conversation view" in email thread is turned ON or OFF.	One can send 2000 messages per day (500 for trial account).
5	Verify if notification for new email is Turned ON or OFF.	One can receive email with data upto 50 MB per day.
6	Verify if alternate email ID (for recovery) is already set or not.	One can use 500 attachments per single email.
7	Verify if 2 step Verification is Set or not.	Gmail free trial is only for 14 days.
8	Verify if the mobile number is linked with the gmail account or not.	While sending, we have to make sure that email id of all the recipients have been added.
9	Verify if the Language selected is as per the requirement.	Some emails are automatically directed to spam folder, so we need to keep checking inbox as well as spam folder.
10	Verify if the default reply behaviour is "Reply" or "Reply all".	
11	Verify if the grammar suggestion is turned ON or OFF.	
12	Verify if the spelling suggestion is turned ON or OFF.	
13	Verify if Auto correct is On or OFF.	
14	Verify if the "smart compose" is ON or OFF.	
15	Verify if Signature is added or not.	
16	Verify that the content of the email is displayed properly whether on Desktop, or mobile or tablet.	
17	Verify if the attachments are downloaded in ZIP format.	
18	Verify that the read messages are not highlighted.	
19	Verify that the auto suggestion is working properly while entering email id	