**Module-2 Assignment**

1)what is exploratory testing?

* Exploratory testing is a co current process where test design, execution and logging happen simultaneously. If focuses on discovery and relies on the guidance of the individual tester to uncover defect that are not easily covered in the scope of other tests.

2)what is traceability matrix?

* A traceability matrix is a tool used to ensure that all requirements or specifications are covered by test cases and that all test cases are traceable back to the requirements they are intended to verify. It establishes a link between various artifacts produced during the software development lifecycle, such as requirements documents, design documents, test cases, and defects.

3)what is boundary value testing?

* Boundary value testing is technique where test cases are designed based on the boundary values of input ranges. The idea is to test the behaviour of the software at the boundaries rather than focusing on the values within the range. This technique is particularly useful in identifying errors or defects that may occur at the edges of input domains.

4)what is equivalence partitioning testing?

* Equivalence partitioning testing is a technique used to divide the input domain of a program into a set of equivalent classes or partitions. The idea behind this technique is to reduce the number of test cases while still maintaining reasonable test coverage. Here's how it works:

5)what is integration testing?

* Integration testing is a methodology where individual software modules or components are combined and tested as a group. The purpose of integration testing is to verify that the interfaces between these components work correctly and that the modules interact as expected when integrated together.

6)what determines the level of risk?

* A factor that could result in future negative consequences; usually expressed as impact and likelihood

7)what is Alpha testing?

* Alpha testing is a type of software testing performed by the developers or testers within the organization before the software is released to external users or customers. It is conducted in a controlled environment, typically in a lab setting or a simulated real-world environment.

8)what is beta testing?

* Beta testing is a that involves releasing a pre-release version of a software product to a select group of external users, known as beta testers. The primary purpose of beta testing is to gather feedback from real users in a real-world environment before the software is officially launched to the public.

9)what is component testing?

* Component testing also known as unit testing, is a fundamental aspect of software testing where individual components or units of a software application are tested independently. A "component" typically refers to the smallest testable part of a software system. It could be a function, method, procedure, or object, depending on the programming language and design of the software.

10)what is functional system testing?

* Functional system testing, also known as system testing or end-to-end testing, is a type of software testing that evaluates the system as a whole. It involves testing the complete, integrated software system to ensure that it meets specified requirements and functions correctly in its intended environment.

11)what is non-functional testing?

* Non-functional testing that is performed to evaluate the non-functional aspects of a system, such as performance, reliability, scalability, usability, and security. Unlike functional testing, which verifies the functions and features of the software, non-functional testing focuses on how well the system behaves under certain conditions.

12)what is GUI testing?

* GUI testing, or Graphical User Interface testing, is a that focuses on ensuring the proper functionality, usability, and appearance of the graphical interface of an application. GUI testing is particularly important for software that relies heavily on its user interface, such as desktop applications, web applications, mobile apps, and games.

13)what is Ad hoc testing?

* Ad hoc testing is a carried out without any specific plan or formal procedure. In ad hoc testing, testers randomly test the software system without any predefined test cases or test scripts. This testing approach is often exploratory in nature and relies heavily on the tester's experience, intuition, and domain knowledge

14)what is load testing?

* Load testing is conducted on software applications or systems to evaluate their behaviour under normal and peak usage conditions. The purpose of load testing is to determine how well a system can handle a specific workload, such as a large number of simultaneous users or a high volume of transactions, without experiencing performance degradation or failure.

15)what is stress testing?

* tress testing is a method used to evaluate how well a system performs under extreme conditions or stress. The purpose is to identify the system's breaking point or to determine its stability and robustness under high loads.

16)what is White box testing? white box testing and list the types of white box testing?

* White box testing is technique that involves examining the internal structure of the software being tested. In white box testing, the tester typically has access to the source code and understands its workings. The aim is to ensure that the internal logic, structure, and code of the software are correct and functioning as expected. It's also known as clear box testing, open box testing, transparent box testing, or glass box testing.

List the types of white box testing?

1. Statement coverage: Measures the percentage of executable statements that have been exercised by a test suite.

2. Decision coverage: Ensures that every decision point in the code has been exercised by tests, including both true and false branches.

3. condition coverage: Ensures that each Boolean sub-expression in the code has been evaluated to both true and false during testing.

17)what is black box testing? What are the different black box testing techniques?

* Black box testing is a method of software testing where the tester evaluates the functionality of an application without knowing its internal code structure, architecture, or implementation details. The tester interacts with the software interface, providing inputs and examining outputs to validate its behaviour against specified requirements.

There are four main black box testing techniques?

1. Equivalence partitioning: This technique divides the input data into different equivalence classes or groups, where the behaviour of the software is expected to be the same for each class. Test cases are then designed to cover each equivalence class at least once.
2. Boundary value analysis: Boundary value analysis focuses on testing the boundaries between equivalence partitions. Test cases are designed to examine the behaviour of the software at the boundaries and just beyond them, as errors often occur in these areas.
3. Decision table: Decision tables are used to model complex business rules or conditions. Test cases are derived from the combinations of inputs and conditions listed in the decision table to ensure all possible scenarios are covered.
4. State transition: This technique is applicable for systems with states or modes that change based on specific inputs or conditions. Test cases are designed to validate the transitions between different states and ensure the software behaves as expected in each state transition.

18)Mention what are the categories of defects?

* Data Quality/Database Defects
* Critical Functionality Defects
* Functionality Defects
* Security Defects
* User Interface Defects

19)Mention what big bang testing?

* Big Bang Testing refers to a method where testing is performed on the entire application at once, after all the modules or components have been integrated. In this approach, testing doesn't occur incrementally as individual modules are developed and integrated, but rather, it's executed in a single comprehensive phase.

20)what is purpose of exit criteria?

* exit criteria serve as guidelines to determine when to stop testing activities for a particular phase or project. The purpose of exit criteria in software testing, including in softer testing, can be summarized as follows:

21)when should ‘’regression testing’’ be performed?

* A new requirement is added to an existing feature
* A new feature or functionality is added
* The codebase is fixed to solve defects
* The source code is optimized to improve performance
* Patch fixes are added
* A new version of the software is released
* Change in configuration
* A new third- party system is integrated with the current system

22)what is 7 key principles? Explain detail?

* 1) Testing shows presence of defects

2) Exhaustive testing is impossible

3) Early testing

4) defect clustering

5) The Pesticide paradox

6) Testing is context dependent

7) Absence of error fallacy

* 1)Testing shows present of defects

Testing principle states that testing talks about the presence of defects and don’t talk about the absences of defects software testing reduces the probability of undiscovered defects remaining in the software but even if no defects are found, it is not a proof of correctness

2)Exhaustive testing is impossible

Exhaustive testing is not possible. Instead, we need the optimal amount of testing based on the risk assessment of the application

3)Early testing

Testing should start as early as possible in the software early as possible in the software development life cycle. So that any defects in the requirements or design phases are captured in early stages. It is much cheaper to fix a defect in the early stages if testing

4)Defect clustering

Defect clustering which states that a small number of modules contain most of the defects detected. This is the application of the pareto principle to software testing

5) The Pesticide paradox

Repetitive use of the same pesticide mix to eradicate insects during farming will over time lead to the insects developing resistance to the pesticide thereby ineffective of pesticides of pesticides on insects

6)Testing is context dependent

Testing is context dependent which basically means that the way you test an e-commerce site will be different from the way you test a commercial off the shelf application

7)Absence of error fallacy

This can be the case if the system is tested thoroughly for the wrong requirement. Software testing is not mere finding defects but also to check the software addresses the business needs.

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

* QA
* Quality assurance has process oriented activities
* Quality assurance is preventive activities
* It is subset of software test life cycle (STLC)
* QC
* Quality control has Product oriented activities.
* Quality control is corrective process
* It is a subset of Quality assurance
* Tester
* Tester has Product oriented activities.
* Tester is a preventive process
* Testing is the subset of quality control

24)Difference between smoke and sanity?

* Smoke:
* Smoke testing is like general health check up
* Smoke testing is a subset of regression testing
* Smoke testing is usually documented or scripted
* Smoke testing is performed by the developers or testers
* Smoke testing is performed after software build to ascertain that the critical functionalities of the program is working fine.
* Sanity:
* Sanity testing is like specialized health
* Sanity testing is a subset of acceptance testing
* Sanity testing is usually not documented and unscripted
* Sanity testing is usually performed by testers
* Sanity testing is after receiving the software build, sanity testing is performed to ensure that the code changes introduced are working as expected.

25)Difference between verification and validation

* Verification:
* Before the coding verification
* Verification has development levels
* It is call has static testing
* Are we building the product right
* Verification is for prevention of error
* Verification phases business requirements, system requirements, technical specification, program specification
* Validation:
* After the coding validation
* Validation has testing levels
* It is call has dynamic testing
* Are we building the right product?
* Validation is for detection of error
* Validation phases unit test, Integration test, system test, acceptance test

26)Explain types of performance testing?

* 1) Load testing

2) Stress testing

3) Endurance testing

4) Spike testing

5) volume testing

6) Scalability testing

27)What is Error, defect, bug and failure?

* Error:

an error, also known as a mistake or fault, refers to a human action that produces an incorrect result. Errors can occur during any phase of the software development process, such as requirements gathering, design, coding, or testing. Errors are unintentional and can lead to defects if they are not identified and corrected.

* Defect:

A defect, also referred to as a fault or a problem, is a flaw in the software code or design that causes it to behave incorrectly or not as intended. Defects can result from errors made during the development process. When a defect manifests itself during testing, it indicates that there is a deviation from the expected behaviour of the software.

* Bug:

A bug is a specific instance of a defect that causes the software to malfunction or produce incorrect results. The term "bug" is commonly used interchangeably with "defect," though some people may distinguish between them by considering a bug as a defect that has been identified during testing or usage.

* Failure:

A failure occurs when the software does not perform its intended function and produces incorrect results or behaves unexpectedly when used in a particular environment or under specific conditions. Failures are observable by users or testers and are often the result of defects or bugs present in the software.

28)Difference between priority and severity

* Priority:

High priority issues are those that must be fixed immediately because they severely the functionality of the software or pose significant risks.

Medium priority issues are important but may not be as urgent as high priority ones. They could affect the user experience or certain functionalities, but they may not halt the entire system.

Low priority issues are typically minor defects or enhancements that can be addressed later, as they don't significantly affect the core functionality or user experience.

* Severity:

Critical severity issues are those that cause the software to crash, result in data loss, or prevent users from performing essential functions.

Major severity issues are significant problems that impair key functionalities or lead to incorrect results but may not necessarily cause a complete system failure.

Minor severity issues are relatively minor problems that do not significantly affect functionality but may impact user experience or usability.

Cosmetic severity issues are minor visual or aesthetic defects that don't affect functionality or usability but may affect the overall polish or professionalism of the software.

29)What is Bug life cycle?

* A computer bug is an error, flaw, mistake, failure, or fault in a computer program that prevents it from working correctly or produces an in correct results. Bugs arise from mistakes and errors, produces an in correct results

30)explain the difference between functional testing and Nonfunctional testing

* Functional testing:
* Functional testing is executed first
* Easy to do manual testing
* Functional testing describes what the product does
* Business requirements are the inputs of functional testing
* Types of functional testing:
* Unit testing
* Smoke testing
* Sanity testing
* White box testing
* Black box testing
* Integration testing
* Regression testing
* Non-functional testing
* Non- functional testing should be performed after functional testing
* Tough to do manual testing
* No-functional testing describes how good the product works
* Performance parameters like speed, scalability Are input to non-functional testing
* Types of non-functional testing:
* Performance testing
* Load testing
* Security testing
* Migration testing
* Volume testing
* Stress testing

31)To create HLR & test case of (Instagram, Facebook) only first page

* Instagram HLR:

|  |  |  |
| --- | --- | --- |
| FUNCTIONALITY ID | FUNCTIONLITY NAME | DESCRIPTION |
| 1 | Check app download from play store | While download from play store app is download and icon is proper visible |
| 2 | Check log in button | While enter write credential and click login button then user account is open with name |
| 3 | Check forgotten password button | While we click on forgot password fill name/email address or mobile number and then click on continue button |
| 4 | Check a create new account | While click on create a new account then sing up with mobile number/email address then SMS is come |
| 4.1 | Check next button | While click on next button create a password |
| 4.2 | Check next button | While click on next button ask to save your info and ask name of user |
| 4.3 | Check next button | While click on next button then create a user name |
| 4.4 | Check agree button | While click on agree button user account is create |

Instagram test case:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TEST CASE ID | FUNCTIONALITY ID | TEST CASE NAME | PRICONDITION | STEP | TEST DATA | EXPECTED RESULT | ACTUAL RESULT | STATUS |
| 1 | 1 | check download application from play store | play store, internet and application are in working mode | download application | NA | application is download | as per expected result | Pass |
| 2 | 2 | check login button | play store, internet and application are in working mode | 1)download application 2) enter username me and password 3) click login button | username: jenalivaghasiya@gmail.com password:23456jenali | to display proper validation message | As per expected d result | Pass |
| 3 | 2 | check login button with null/blank valve | play store, internet and application are in working mode | 1)download application 2) enter username me and password 3) click login button | username: password: | to display proper validation message | do not show proper validation message | fail |
| 4 | 2 | check login button with only username me | play store, internet and application are in working mode | 1)download application 2) enter username me and password 3) click login button | username: jenalivaghasiya@gmail.com password: | to display proper validation message | as per expected result | Pass |
| 5 | 2 | check login button with only password | play store, internet and application are in working mode | 1)download application 2) enter username me and password 3) click login button | username: password:23456jenali | to display proper validation message | as per expected result | Pass |
| 6 | 2 | check login button with only special character password | play store, internet and application are in working mode | 1)download application 2) enter username me and password 3) click login button | username: @#$%^@#$ password: \*&^%$^%$# | to display proper validation message | as per expected result | Pass |
| 7 | 2 | check login button with only special character password | play store, internet and application are in working mode | 1)download application 2) enter username me and password 3) click login button | username: @#$%^@#$ password: | to display proper validation message | as per expected result | Pass |
| 8 | 2 | check login button with wrong username | play store, internet and application are in working mode | 1)download application 2) enter username me and password 3) click login button | username: @#$%^@#$ | to display proper validation message | as per expected result | Pass |
| 9 | 2 | check login button with wrong password | play store, internet and application are in working mode | 1)download application 2) enter username me and password 3) click login button | username: jenalivaghasiya@gmail.com password: sdfghjdfghj | to display proper validation message | as per expected result | Pass |
| 10 | 2 | check login button with long username | play store, internet and application are in working mode | 1)download application 2) enter username me and password 3) click login button | username: sdfghjjjjh87654 | to display proper validation message | as per expected result | Pass |
| 11 | 2 | check login button with long password | play store, internet and application are in working mode | 1)download application 2) enter username me and password 3) click login button | username: vaghasiya@gmail.com password:123456777777765ghu | to display proper validation message | as per expected result | Pass |
| 12 | 2 | check login button with number in username | play store, internet and application are in working mode | 1)download application 2) enter username me and password 3) click login button | username:12345678234 password:123456777777765 | to display proper validation message | As per expected result | Pass |
| 13 | 2 | check login button with number on password | play store, internet and application are in working mode | 1)download application 2) enter username me and password 3) click login button | username: jenalivaghasiya@gmail.com password:123456777777765 | to display proper validation message | as per expected result | Pass |
| 14 | 2 | check login button with wrong username and password | play store, internet and application are in working mode | 1)download application 2) enter username me and password 3) click login button | username: sdfghhgfg password: sdfggf9876543 | to display proper validation message | as per expected result | Pass |
| 15 | 3 | check forgot button | play store, internet and application are in working mode | 1)download application 2) enter username me and password 3) click login button | NA | while click on forgot button ask to fill username/number/email and send code and then reset password | as per expected result | Pass |
| 16 | 4 | check create button | play store, internet and application are in working mode | 1)download application 2) enter username me and password 3) click login button | mobile number | while click on create a new account fill mobile number and send a code | as per expected result | Pass |
| 17 | 4.1 | check next button | play store, internet and application are in working mode | 1)download application 2) enter username me and password 3) click login button | NA | while click on next button create a password | as per expected result | Pass |
| 18 | 4.2 | check next button | play store, internet and application are in working mode | 1)download application 2) enter username me and password 3) click login button | NA | while click on next button ask save login info and also ask user name | as per expected result | Pass |
| 19 | 4.3 | check next button | play store, internet and application are in working mode | 1)download application 2) enter username me and password 3) click login button | NA | while click on next button ask to create a new username of user | as per expected result | Pass |
| 20 | 4.4 | check agree button | play store, internet and application are in working mode | 1)download application 2) enter username me and password 3) click login button | NA | while click on agree button ask to agree all condition and account is create | as per expected result | Pass |

* Facebook HLR:

|  |  |  |
| --- | --- | --- |
| FUNCTIONALITY ID | FUNCTIONLITY NAME | DESCRIPTION |
| 1 | Check app download from play store | While download from play store app is download and icon is proper visible |
| 2 | Check log in button | While enter write credential and click login button then user account is open with name |
| 3 | Check forgotten password button | While we click on forgot password fill name/email address or mobile number and then click on continue button |
| 4 | Check a create new account | While click on create a new account then sing up with mobile number/email address then SMS is come |
| 4.1 | Check next button | While click on next button create a password |
| 4.2 | Check next button | While click on next button ask to save your info and ask name of user |
| 4.3 | Check agree button | While click on agree button user account is create |

Facebook test case:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TEST CASE ID | FUNCTIONALITY ID | TEST CASE NAME | PRICONDITION | STEP | TEST DATA | EXPECTED RESULT | ACTUAL RESULT | STATUS |
| 1 | 1 | check download application from play store | play store, internet and application are in working mode | download application | NA | application is download | as per expected result | Pass |
| 2 | 2 | check login button | play store, internet and application are in working mode | 1)download application 2) enter username me and password 3) click login button | username: jenalivaghasiya@gmail.com password:23456jenali | to display proper validation message | As per expected d result | Pass |
| 3 | 2 | check login button with null/blank valve | play store, internet and application are in working mode | 1)download application 2) enter username me and password 3) click login button | username: password: | to display proper validation message | do not show proper validation message | fail |
| 4 | 2 | check login button with only username me | play store, internet and application are in working mode | 1)download application 2) enter username me and password 3) click login button | username: jenalivaghasiya@gmail.com password: | to display proper validation message | as per expected result | Pass |
| 5 | 2 | check login button with only password | play store, internet and application are in working mode | 1)download application 2) enter username me and password 3) click login button | username: password:23456jenali | to display proper validation message | as per expected result | Pass |
| 6 | 2 | check login button with only special character password | play store, internet and application are in working mode | 1)download application 2) enter username me and password 3) click login button | username: @#$%^@#$ password: \*&^%$^%$# | to display proper validation message | as per expected result | Pass |
| 7 | 2 | check login button with only special character password | play store, internet and application are in working mode | 1)download application 2) enter username me and password 3) click login button | username: @#$%^@#$ password: | to display proper validation message | as per expected result | Pass |
| 8 | 2 | check login button with wrong username | play store, internet and application are in working mode | 1)download application 2) enter username me and password 3) click login button | username: @#$%^@#$ | to display proper validation message | as per expected result | Pass |
| 9 | 2 | check login button with wrong password | play store, internet and application are in working mode | 1)download application 2) enter username me and password 3) click login button | username: jenalivaghasiya@gmail.com password: sdfghjdfghj | to display proper validation message | as per expected result | Pass |
| 10 | 2 | check login button with long username | play store, internet and application are in working mode | 1)download application 2) enter username me and password 3) click login button | username: sdfghjjjjh87654 | to display proper validation message | as per expected result | Pass |
| 11 | 2 | check login button with long password | play store, internet and application are in working mode | 1)download application 2) enter username me and password 3) click login button | username: vaghasiya@gmail.com password:123456777777765ghu | to display proper validation message | as per expected result | Pass |
| 12 | 2 | check login button with number in username | play store, internet and application are in working mode | 1)download application 2) enter username me and password 3) click login button | username:12345678234 password:123456777777765 | to display proper validation message | As per expected result | Pass |
| 13 | 2 | check login button with number on password | play store, internet and application are in working mode | 1)download application 2) enter username me and password 3) click login button | username: jenalivaghasiya@gmail.com password:123456777777765 | to display proper validation message | as per expected result | Pass |
| 14 | 2 | check login button with wrong username and password | play store, internet and application are in working mode | 1)download application 2) enter username me and password 3) click login button | username: sdfghhgfg password: sdfggf9876543 | to display proper validation message | as per expected result | Pass |
| 15 | 3 | check forgot button | play store, internet and application are in working mode | 1)download application 2) enter username me and password 3) click login button | NA | while click on forgot button ask to fill username/number/email and send code and then reset password | as per expected result | Pass |
| 16 | 4 | check create button | play store, internet and application are in working mode | 1)download application 2) enter username me and password 3) click login button | mobile number | while click on create a new account fill mobile number and send a code | as per expected result | Pass |
| 17 | 4.1 | check next button | play store, internet and application are in working mode | 1)download application 2) enter username me and password 3) click login button | NA | while click on next button create a password | as per expected result | Pass |
| 18 | 4.2 | check next button | play store, internet and application are in working mode | 1)download application 2) enter username me and password 3) click login button | NA | while click on next button ask save login info and also ask user name | as per expected result | Pass |
| 19 | 4.4 | check agree button | play store, internet and application are in working mode | 1)download application 2) enter username me and password 3) click login button | NA | while click on agree button ask to agree all condition and account is create | as per expected result | Pass |

32)What is the difference between the STLC (software testing cycle) and SDLC (software development life cycle)?

* SDLC (Software Development Life Cycle):
* SDLC is a framework that describes the phases involved in the development of software.
* It encompasses all the stages from the initial planning to the deployment and maintenance of the software.
* The typical phases of SDLC include requirements gathering, design, implementation (coding), testing, deployment, and maintenance.
* SDLC focuses on the entire software development process from inception to delivery.
* STLC (Software Testing Life Cycle):
* STLC is a subset of SDLC, specifically focusing on the testing activities within the overall software development process.
* It outlines the various activities and tasks that are performed during the testing phase of software development.
* STLC typically includes activities such as test planning, test case development, test execution, defect reporting, defect tracking, and test closure.
* STLC is concerned with ensuring the quality, reliability, and correctness of the software through systematic testing processes.

33)What is the difference between test scenario, test cases, and test script?

* A scenario is any functionality that can be tested it is called test condition, or test possibility
* Test case involve the set of steps, conditions and inputs which can be used while preforming the testing tasks
* A set of sequential instruction that detail how to execute a core business function

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

* A test plan is a document that outlines the approach, objectives, scope, resources, and schedule for software testing. It serves as a roadmap for the testing process, ensuring that all necessary steps are taken to verify that the software meets its requirements and functions as expected.

Information that should be covered:

Scope: Outline the boundaries of the testing effort. Specify what aspects of the software will be tested (e.g., specific modules, features, or components) and what will not be tested.

Approach: Describe the testing methodologies, techniques, and strategies that will be employed. This may include functional testing, non-functional testing (such as performance, security, usability), and any specialized testing approaches relevant to the project.

Resources: Identify the personnel, tools, equipment, and environments required to conduct the testing. This includes roles and responsibilities of team members, as well as any external resources or dependencies.

Schedule: Provide a timeline for the testing activities, including milestones, testing phases, and deadlines. This helps ensure that the testing effort stays on track and aligns with the overall project schedule.

35)What is priority?

* prioritization refers to the process of determining the order in which tests should be executed or issues should be addressed based on their relative importance or impact on the software product. Prioritization in software testing helps ensure that testing efforts are focused on the most critical aspects of the software, thereby maximizing the effectiveness of testing within the available resources and time constraints.

36)What is severity?

* severity refers to the impact of a defect or bug on the system's functionality and its potential to cause harm or inconvenience to users, the system, or the business.

37)Bug categories are…

* Bug categories are indeed an essential aspect of software testing. They help in organizing and prioritizing issues identified during the testing process.

38)Advantage of Bug zila.

* It improves the quality of the product
* It enhances the communication between the developing team and the testing team
* It has capacity to adapt to multiple situations

39)difference between priority and severity

* Priority:
* priority defect
* priority is relative
* priority is business focused
* priority types – low, medium, high, critical
* severity:
* severity defect
* severity is absolute
* severity is customer focused
* severity types – critical, major (high), moderate (medium), minor (low), cosmetic

40)What are the difference methodologies in Agile development model?

* In Agile development, is an integral part of the development process, with a focus on continuous testing throughout the development lifecycle. Several methodologies and approaches exist within Agile for software testing, each emphasizing different aspects and strategies.

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

* Authorization:
* Username and password: Users provide a unique username and a corresponding password to prove their identity.
* Multi-factor authentication (MFA): Requires users to provide multiple forms of verification, such as a password along with a code sent to their phone.
* Biometric authentication: Uses unique physical characteristics such as fingerprints or facial recognition to verify identity.
* Authentication:
* Role-based access control (RBAC): Users are assigned specific roles, and permissions are granted based on those roles.
* Access control lists (ACL): Specify which users or user groups have access to particular resources or perform specific actions.
* Attribute-based access control (ABAC): Access decisions are based on various attributes associated with the user, resource, environment, etc.

The common challenges and thoroughly testing web applications for authentication, authorization, security, performance, and usability, software testers can ensure the reliability, security, and functionality of web applications.

42)To create HLR & Testcase of web based (WhatsApp web, Instagram web)

* Instagram web HLR:

|  |  |  |
| --- | --- | --- |
| FUNCTIONALITY ID | FUNCTIONLITY NAME | DESCRIPTION |
| 1 | Check web side URL | While enter web Side into address is should open login page |
| 2 | Check English language | While click on English select language |
| 3 | Check Continue with Instagram | While click on continue with Instagram is open |
| 4 | Check login button | While click on login button Is open user dashboard with user name |
| 5 | check forgot button | While click on forgot button set new password |
| 6 | Check signup | While click on sign up then registration page is open |
| 6.1 | Check next button | While click then ask to fill full name date of birth |
| 6.2 | Check next button | Ask to create a new username |
| 6.3 | Check agree button | Ask to agree with all condition and new account is create |

Instagram web test case:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TEST CASE ID | FUNCTIONALITY ID | TEST CASE NAME | PRICONDITION | STEP | TEST DATA | EXPECTED RESULT | ACTUAL RESULT | STATUS |
| 1 | 1 | Check web Side URL | Browser, internet and web Side must be in working condition | 1)<http://www.instagram>.com | Na | Web Side should be open properly | As per expected result | PASS |
| 2 | 2 | Check English language | Browser, internet and web Side must be in working condition | 1)http://www.instagram.com | NA | Select language | As per expected result | Pass |
| 3 | 3 | Check Continue with Instagram | Browser, internet and web Side must be in working condition | 1)http://www.instagram.com | NA | While click on Continue with face book username and password then face book is connect with Instagram | As per expected result | Pass |
| 4 | 4 | Check login button | Browser, internet and web Side must be in working condition | 1)<http://www.instagram.com>  2)enter user name/number/email and password 3) click on login button | Username: jenny\_patel\_26 password: jenali2345 | While enter correct credential then login to user dashboard | As per expected result | Pass |
| 5 | 4 | Check login button with null data | Browser, internet and web Side must be in working condition | 1)<http://www.instagram.com>  2)enter user name/number/email and password 3) click on login button | Username: password: | As proper validation message come | Without enter user name and password login button on is not work but does not give proper validation message | pass |
| 6 | 4 | Check login button with only username | Browser, internet and web Side must be in working condition | 1)<http://www.instagram.com>  2)enter user name/number/email and password 3) click on login button | Username: jenny\_patel\_26 | While enter only username me then login button is not work and give proper message | pass Does not give proper message but login button is not work | Pass |
| 7 | 4 | Check login button with only password | Browser, internet and web Side must be in working condition | 1)<http://www.instagram.com>  2)enter user name/number/email and password 3) click on login button | Username: password: jenalivaghasiya3456789 | Only username then login button is not work and give proper message | pass Does not give proper message but login button is not work | pass |
| 8 | 4 | Login button with special character | Browser, internet and web Side must be in working condition | 1)<http://www.instagram.com>  2)enter user name/number/email and password 3) click on login button | Username: @#$%^&\* password: @#$%^&\*() | As display proper validation message | It show only pass word was incorrect but not give proper message | Fail |
| 9 | 4 | Check login button with only special character of password | Browser, internet and web Side must be in working condition | 1)<http://www.instagram.com>  2)enter user name/number/email and password 3) click on login button | Username: jenny\_patel\_26 password: @#$% | As display proper validation on message | As per expected results | Pass |
| 10 | 4 | Check login button with wrong username | Browser, internet and web Side must be in working condition | 1)<http://www.instagram.com>  2)enter user name/number/email and password 3) click on login button | Username: drtufugi password: jenali12345 | As display proper validation on message | As per expected results | Pass |
| 11 | 4 | Check login button with wrong username | Browser, internet and web Side must be in working condition | 1)<http://www.instagram.com>  2)enter user name/number/email and password 3) click on login button | Username:jenli\_patel\_245 password: jenali12345 | As display proper validation on message | As per expected results | pass |
| 12 | 4 | Check login button with long username | Browser, internet and web Side must be in working condition | 1)<http://www.instagram.com>  2)enter user name/number/email and password 3) click on login button | Username: rtyuihgfghjjhgfddfhjiop[ password: jenali12345 | As display proper validation on message | As per expected results | Pass |
| 13 | 4 | Check login button with long password | Browser, internet and web Side must be in working condition | 1)<http://www.instagram.com>  2)enter user name/number/email and password 3) click on login button | Username: jenny\_patel\_26 password: 23456dfgyuhj23456 | As display proper validation on message | As per expected results | Pass |
| 14 | 4 | Check login button with number in username | Browser, internet and web Side must be in working condition | 1)<http://www.instagram.com>  2)enter user name/number/email and password 3) click on login button | Username: 123456789678 | As display proper validation on message | As per expected results | Pass |
| 15 | 4 | Check login button with number in password | Browser, internet and web Side must be in working condition | 1)<http://www.instagram.com>  2)enter user name/number/email and password 3) click on login button | Username: jenny\_patel\_26 password: 23456789098765 | As display proper validation on message | As per expected results | Pass |
| 16 | 4 | Check login button with username and password | Browser, internet and web Side must be in working condition | 1)<http://www.instagram.com>  2)enter user name/number/email and password 3) click on login button | Username: yughjchuyfdfg password: rtyuihghj | As display proper validation on message | As per expected results | pass |
| 17 | 5 | Check forgot button | Browser, internet and web Side must be in working condition | 1)<http://www.instagram.com>  2)enter forgot button | Username/email/address/phone number: jenu\_26 | Send a login link to email is/SMS on phone number | As per expected results | pass |
| 18 | 5 | Check forgot password button with wrong username/phone number/email id | Browser, internet and web Side must be in working condition | 1)<http://www.instagram.com>  2)enter forgot button | Username: dfuiufddfg phone number: 3456789876 email id: jenuvaghasiy457@gmail.com | Display not to found user | As per expected results | pass |
| 19 | 6 | Check signup button | Browser, internet and web Side must be in working condition | 1)<http://www.instagram.com>  2) click on signup button | NA | Registration page is open with filling of phone number/ email id | As per expected results | pass |
| 20 | 6.1 | Check next button | Browser, internet and web Side must be in working condition | 1)<http://www.instagram.com>  2) enter forgot button | NA | While click on next button enter your name and set password and set date of birthday | As per expected results | pass |
| 21 | 6.2 | Check next button | Browser, internet and web Side must be in working condition | 1)<http://www.instagram.com>  2) enter forgot button | NA | While click on next button create a new username | As per expected results | pass |
| 22 | 6.3 | Check agree button | Browser, internet and web Side must be in working condition | 1)<http://www.instagram.com>  2) enter forgot button | NA | While click on agree button then all condition are accept | As per expected results | pass |

WHATSAPP WEB HLR:

|  |  |  |
| --- | --- | --- |
| FUNCTIONALITY ID | FUNCTIONALITY NAME | DESCRIPTION |
| 1 | Verify to website URL | While enter URL in address website should be open |
| 100 | Verify to scan QR code | While scan QR code by phone icon scan |
| 200 | Verify profile | While click on profile is open |
| 201 | Verify to edit | While click on name is edit |
| 202 | Verify to edit name | While click on edit photo is edit |
| 300 | Verify to click on community icon | While click on group icon its open |
| 301 | Verify to click on view all | While click on view all contact number and group are open |
| 302 | Verify to add member | While click on add member user can add member |
| 303 | Verify to click on community info | While click on community info its open |
| 304 | Verify to view member | While click on view member its open |
| 305 | Verify community setting | While click on community setting its open |
| 400 | Verify to click on status icon | While click on status it open |
| 402 | Verify to click my status | While click on it its not working |
| 500 | Verify to click channel | While click on its working |
| 501 | Verify to create channel | While click on create channel its working |
| 502 | Verify find channel | While click on find channel its working |
| 503 | Verify search bar | While click on search bar its working |
| 600 | Verify new chat | While click on new chat its working |
| 601 | Verify search bar | While click on search bar its working |
| 602 | Verify new group | While click on new group it working |
| 603 | Verify new community | While click on new community |
| 700 | Verify to side menu | While click on side menu its open |
| 701 | Verify new group | While click on new group its working |
| 702 | Verify new community | While click on new community its working |
| 703 | Verify started message | While click on started message its working |
| 704 | Verify select chat | While click on select chat its working |
| 705 | Verify setting | While click on setting its working |
| 706 | Verify to get What app from window | While click on it its working properly |
| 707 | Verify to log out | While click on it working properly |
| 800 | Verify to main search bar | While click on its working properly |
| 801 | Verify to filter | While click on its working properly |
| 900 | Verify to open chat | While click on chat its open |
| 901 | Verify to click video call icon | While click on it we cannot make a call |
| 902 | Verify to click on contact info | While click on contact info its working |
| 903 | Verify to select chat | While click on select message its working |
| 904 | verify to click on close chat | While click on close chat its working |
| 905 | Verify to click on mute notification | While click on it its working |
| 906 | Verify to click on disappearing message | While click on it its working properly |
| 907 | Verify to click on clear chat | While click on it its working properly |
| 908 | Verify to click on delete chat | While click on it its working properly |
| 909 | Verify to click on report | While click on it its working properly |
| 1000 | Verify to click on block | While click on it its working properly |
| 1001 | Verify to click on document | While click on it its working properly |
| 1002 | Verify to click on photo and video | While click on it its working properly |
| 1003 | Verify to click on contact | While click on it its working properly |
| 1004 | Verify to click on poll | While click on it its working properly |
| 1005 | Verify to click on new sticker | While click on it its working properly |
| 1006 | Verify to click on emoji icon | While click on it its open |
| 1007 | Verify to click on audio icon | While click on it its working properly |
| 1008 | Verify to type message | While typing message is work properly |
| 1009  WHATSAPP TEST CASE: | Verify to click on send button | While click on send icon its working properly |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 1 | Verify website URL | Website, browser and internet must be in working condition | 1)http//www.whatsApp.com | NA | While click URL in address then website is open | As expect result | pass |
| 2 | 100 | Verify scan QR code | Website, browser and internet must be in working condition | 1)http//www.whatsApp.com | NA | While click QR code | As expect result | pass |
| 3 | 200 | Verify click profile | Website, browser and internet must be in working condition | 1)http//www.whatsApp.com 2) click on profile icon | NA | While click on profile then profile image is open | As expect result | pass |
| 4 | 201 | Verify to click on name | Website, browser and internet must be in working condition | 1)http//www.whatsApp.com 2) click on profile icon 3) click on name | NA | While click on name user can edit name | As expect result | pass |
| 5 | 202 | Verify to click on edit profile | Website, browser and internet must be in working condition | 1)http//www.whatsApp.com 2) click on profile icon 3) click on edit profile | NA | While click on edit user can change profile image | As expect result | pass |
| 6 | 300 | Verify to click on community | Website, browser and internet must be in working condition | 1)http//www.whatsApp.com 2) click on community | NA | While click on community icon its open | As expect result | pass |
| 7 | 301 | Verify to click on view all | Website, browser and internet must be in working condition | 1)http//www.whatsApp.com 2) click on community 3) click on view all | NA | While click on community is show and user can add group in community | As expect result | pass |
| 8 | 302 | Verify to click on add member | Website, browser and internet must be in working condition | 1)http//www.whatsApp.com 2) click on community 3) click on abb member | NA | While click on add member then user can add member in community | As expect result | pass |
| 9 | 303 | Verify to click on community info | Website, browser and internet must be in working condition | 1)http//www.whatsApp.com 2) click on community 3) click on community info | NA | While on community info user can watch all information about community | As expect result | pass |
| 10 | 304 | Verify to click on view member | Website, browser and internet must be in working condition | 1)http//www.whatsApp.com 2) click on community icon 3) click on view member | NA | While click on view member user can view all member in community | As expect result | pass |
| 11 | 305 | Verify to click community setting | Website, browser and internet must be in working condition | 1)http//www.whatsApp.com 2) click on community icon 3) click on view member | NA | While click on community setting user can change all setting of community | As expect result | pass |
| 12 | 400 | Verify to click on status | Website, browser and internet must be in working condition | 1)http//www.whatsApp.com 2) click on status | NA | While click on status all status is show to user | As expect result | pass |
| 13 | 401 | Verify to click on status | Website, browser and internet must be in working condition | 1)http//www.whatsApp.com 2) click on status 3) click on my status | NA | While click on my status user can upload photo or video on my status | User cannot upload on my status | fail |
| 14 | 500 | Verify to click on channel | Website, browser and internet must be in working condition | 1)http//www.whatsApp.com 2) click on channel | NA | While click on channel then all channel is open | As expect result | pass |
| 15 | 501 | Verify to create a channel | Website, browser and internet must be in working condition | 1)http//www.whatsApp.com 2) click on channel 3) click on create channel | NA | While click on create channel user can create a new channel | As expect result | pass |
| 16 | 502 | Verify to find channel | Website, browser and internet must be in working condition | 1)http//www.whatsApp.com 2) click on channel 3) click on find channel | NA | While click on find channel user can search all channel which are follow or unfollow | As expect result | pass |
| 17 | 503 | Verify to click on search bar | Website, browser and internet must be in working condition | 1)http//www.whatsApp.com 2) click on channel 3) click on search bar | NA | While click on it user search channels | As expect result | pass |
| 18 | 600 | Verify to click on new chat | Website, browser and internet must be in working condition | 1)http//www.whatsApp.com 2) click on new chat | NA | While click on new chat then user can make new group and new community | As expect result | pass |
|  |  |  |  |  |  |  |  |  |
| 19 | 601 | Verify to click on search bar | Website, browser and internet must be in working condition | 1)http//www.whatsApp.com 2) click on new chat 3) click on search bar | NA | While click on new chat then user can make new group and new community | As expect result | pass |
| 20 | 602 | Verify to click on new group | Website, browser and internet must be in working condition | 1)http//www.whatsApp.com 2) click on new chat 3) click on new group | NA | While click on new group user can make new group from contact | As expect result | pass |
| 21 | 603 | Verify to click on new community | Website, browser and internet must be in working condition | 1)http//www.whatsApp.com 2) click on new chat 3) click on new community | NA | While click on it user can create a new community | As expect result | pass |
| 22 | 700 | Verify to click on side menu | Website, browser and internet must be in working condition | 1)http//www.whatsApp.com 2) click on side menu | NA | While click on side menu all option is open | As expect result | pass |
| 23 | 701 | Verify to click on new group | Website, browser and internet must be in working condition | 1)http//www.whatsApp.com 2) click on side menu | NA | While click on new group user can make new group | As expect result | pass |
| 24 | 702 | Verify to click on new community | Website, browser and internet must be in working condition | 1)http//www.whatsApp.com 2) click on side menu | NA | While click on new it user can make a new community | As expect result | pass |
| 25 | 703 | Verify to click on started message | Website, browser and internet must be in working condition | 1)http//www.whatsApp.com 2) click on side menu 3) click on starred message | NA | While click on it all star message is show here | As expect result | pass |
| 26 | 704 | Verify to click on select chat | Website, browser and internet must be in working condition | 1)http//www.whatsApp.com 2) click on side menu 3) click on select message | NA | While click on it user can select chat and marked as unread or mute notification | As expect result | pass |
| 27 | 705 | Verify to click on setting | Website, browser and internet must be in working condition | 1)http//www.whatsApp.com 2) click on side menu 3) click on setting | NA | While click on iuser can make setting of WhatsApp | As expect result | pass |
| 28 | 706 | Verify to click on setting | Website, browser and internet must be in working condition | 1)http//www.whatsApp.com 2) click on side menu 3) click on get WhatsApp from window | NA | While click on WhatsApp is open is application | As expect result | pass |
| 29 | 707 | Verify to click on log out | Website, browser and internet must be in working condition | 1)http//www.whatsApp.com 2) click on side menu 3) click on log out | NA | While click on user is log out | As expect result | pass |
| 30 | 800 | Verify to click on main search bar | Website, browser and internet must be in working condition | 1)http//www.whatsApp.com 2) click on search bar | NA | While click on user can search bar | As expect result | pass |
| 31 | 801 | Verify to click on filter | Website, browser and internet must be in working condition | 1)http//www.whatsApp.com 2) click on filter | NA | While click on user know about which message is unread | As expect result | pass |
| 32 | 900 | Verify to click on chat | Website, browser and internet must be in working condition | 1)http//www.whatsApp.com 2) click on chat | NA | While click on chat, chat is open | As expect result | pass |
| 33 | 901 | Verify to click on video call | Website, browser and internet must be in working condition | 1)http//www.whatsApp.com 2) click on chat 3) click on video call | NA | While click video call icon user can call | User cannot make a call | fail |
| 34 | 902 | Verify to click on contact info | Website, browser and internet must be in working condition | 1)http//www.whatsApp.com 2) click on chat 3) click on contact info | NA | While click on contact info user can see contact number and profile of her user | As expect result | pass |
| 35 | 903 | Verify to click on select message | Website, browser and internet must be in working condition | 1)http//www.whatsApp.com 2) click on chat 3) click on select message | NA | While click on select message user can select message | As expect result | pass |
| 36 | 904 | Verify to click on close chat | Website, browser and internet must be in working condition | 1)http//www.whatsApp.com 2) click on chat 3) click on close chat | NA | While click on close chat then chat is closed | As expect result | pass |
| 37 | 905 | Verify to click on mute notification | Website, browser and internet must be in working condition | 1)http//www.whatsApp.com 2) click on chat 3) click on mute notification | NA | While click on mute notification on then notification is mute | As expect result | pass |
| 38 | 906 | Verify to click on disappearing message | Website, browser and internet must be in working condition | 1)http//www.whatsApp.com 2) click on chat 3) click on disappearing message | NA | While click on disappearing in select time period | As expect result | pass |
| 39 | 907 | Verify to click on clear chat | Website, browser and internet must be in working condition | 1)http//www.whatsApp.com 2) click on chat 3) click on clear chat | NA | While click on chat is clear | As expect result | pass |
| 40 | 908 | Verify to click on delete chat | Website, browser and internet must be in working condition | 1)http//www.whatsApp.com 2) click on chat 3) click on delete chat | NA | While click on chat is deleted | As expect result | pass |
| 41 | 909 | Verify to click on report | Website, browser and internet must be in working condition | 1)http//www.whatsApp.com 2) click on chat 3) click on report | NA | While click on user can report | As expect result | pass |
| 42 | 910 | Verify to click on block | Website, browser and internet must be in working condition | 1)http//www.whatsApp.com 2) click on chat 3) click on block | NA | While click on user can block other user | As expect result | pass |
| 43 | 1000 | Verify to click on add icon | Website, browser and internet must be in working condition | 1)http//www.whatsApp.com 2) click on chat 3) click on add icon | NA | While click on all option is open | As expect result | pass |
| 44 | 1001 | Verify to click on document | Website, browser and internet must be in working condition | 1)http//www.whatsApp.com 2) click on chat 3) click on document | NA | While click on document user can select document and send it | As expect result | pass |
| 45 | 1002 | Verify to click on photo and video | Website, browser and internet must be in working condition | 1)http//www.whatsApp.com 2) click on chat 3) click on photo and video | NA | While click on photo and video user can select and send it | As expect result | pass |
| 46 | 1003 | Verify to click on camera | Website, browser and internet must be in working condition | 1)http//www.whatsApp.com 2) click on chat 3) click on camera | NA | While click on camera is open | As expect result | pass |
| 47 | 1004 | Verify to click on contact | Website, browser and internet must be in working condition | 1)http//www.whatsApp.com 2) click on chat 3) click on contact | NA | While click on contact all contact are open | As expect result | pass |
| 48 | 1005 | Verify to click on poll | Website, browser and internet must be in working condition | 1)http//www.whatsApp.com 2) click on chat 3) click on camera | NA | While click on poll user can create a poll | As expect result | pass |
| 49 | 1006 | Verify to click on new sticker | Website, browser and internet must be in working condition | 1)http//www.whatsApp.com 2) click on chat 3) click on new sticker | NA | While click on user can send new sticker | As expect result | pass |
| 50 | 1007 | Verify to click on emoji | Website, browser and internet must be in working condition | 1)http//www.whatsApp.com 2) click on chat 3) click on emoji | NA | While click on emoji user can send emoji to anyone | As expect result | pass |
| 51 | 1008 | Verify to click on type message | Website, browser and internet must be in working condition | 1)http//www.whatsApp.com 2) click on chat 3) click on type message | NA | While click on type message user can send message to anyone | As expect result | pass |
| 52 | 1009 | Verify to click on audio | Website, browser and internet must be in working condition | 1)http//www.whatsApp.com 2) click on chat 3) click on audio | NA | While click on user can make audio and send it | As expect result | pass |
| 53 | 1010 | Verify to click on send button | Website, browser and internet must be in working condition | 1)http//www.whatsApp.com 2) click on chat 3) click on send button | NA | While click on it user can send message | As expect result | pass |

43)To create HLR and testcase on this link: [www.art](http://www.art) of testing

[www.art](http://www.art) of testing HLR:

|  |  |  |
| --- | --- | --- |
| FUNCTIONALITY ID | FUNCTIONALITY NAME | DESCRIPITION |
| 1 | Check Website URL | While entering URL into address bar Website should be open |
| 2 | Check search option | While click on search its work |
| 3 | Check tools by art of testing | While click on tool by art of testing then all tools are open |
| 3.1 | Check about us | While click on about us its open |
| 3.2 | Check is contact us | While click on contact us its open |
| 3.3 | Check disclaimer | While click on disclaimer its open |
| 3.4 | Check term of service | While click on term of service it open |
| 3.5 | Check privacy policy | While click on privacy policy |
| 4 | Check manual | While click on manual its drop down |
| 5 | Check automation | While click on automation its dropdown |
| 6 | Check performance | While click on performance its dropdown |
| 7 | Check java | While click on java its working |
| 8 | Check interview | While click on interview all question is come |
| 9 | Check tools review | While click on tools review its working |
| 10 | Check close button | While click on close button all menu is closed |
| 11 | Check linked in | While click on linked in its open |
| 12 | Check on face book icon | While click on face book it open |
| 13 | Check you tube | While click on you tube icon is working |
| 14 | Check twitter icon | While click on twitter is working |
| 15 | Check p-interest | While click on p-interest its working |

[WWW.art](http://WWW.art) of testing Test case:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TEST CASE ID | FUNCTIONALITY NAME | FUNCTIONALITY NAME | PRECONDITION | STEP | TEST DATA | EXPECTED RESULT | ACTUAL RESULT | STATUS |
| 1 | 1 | Check Website URL | Browser, website and Internet connection must be working | http//www.art of testing | NA | Website is open | As expect result | Pass |
| 2 | 2 | Check search option | Browser, website and Internet connection must be working | http//www.art of testing | NA | Search box is open and search anything | As expect result | Pass |
| 3 | 3 | Check tools by art of testing | Browser, website and Internet connection must be working | http//www.art of testing | NA | While click on tools by art of testing then whole page is open regarding this information | As expect result | Pass |
| 4 | 3.1 | Check about us | Browser, website and Internet connection must be working | http//www.art of testing | NA | While click on about us all information of website is come | As expect result | Pass |
| 5 | 3.2 | Check contacts us | Browser, website and Internet connection must be working | http//www.art of testing | NA | While click on contacts us then user reach website owner by making contacts | As expect result | Pass |
| 6 | 3.3 | Check disclaimer us | Browser, website and Internet connection must be working | http//www.art of testing | NA | While click on disclaimer us then all disclaimer of website is come | As expect result | Pass |
| 7 | 3.4 | Check term of service | Browser, website and Internet connection must be working | http//www.art of testing | NA | While click on term of service is open | As expect result | Pass |
| 8 | 3.5 | Check privacy policy | Browser, website and Internet connection must be working | http//www.art of testing | NA | While click on privacy policy is open of website | As expect result | Pass |
| 9 | 4 | Check manual | Browser, website and Internet connection must be working | http//www.art of testing | NA | While click on manual its dropdown and all option is open | As expect result | Pass |
| 10 | 4.1 | Check what is manual testing | Browser, website and Internet connection must be working | http//www.art of testing | NA | While click on what is manual testing that answer is come | As expect result | Pass |
| 11 | 4.2 | Check what is manual testing tutorial | Browser, website and Internet connection must be working | http//www.art of testing | NA | While click on what is manual testing some content come regarding this | As expect result | Pass |
| 12 | 4.3 | Check scenario example | Browser, website and Internet connection must be working | http//www.art of testing | NA | While click on test scenario all example is open | As expect result | Pass |
| 13 | 4.4 | Check API testing tutorial | Browser, website and Internet connection must be working | http//www.art of testing | NA | While click on API testing tutorial all content is open regarding API | As expect result | Pass |
| 14 | 5 | Check automation | Browser, website and Internet connection must be working | http//www.art of testing | NA | While click on automation on its dropdown | As expect result | Pass |
| 15 | 5.1 | Check what is automation testing | Browser, website and Internet connection must be working | http//www.art of testing | NA | While click on automation on its testing then all content is open | As expect result | Pass |
| 16 | 5.2 | Check selenium tutorial | Browser, website and Internet connection must be working | http//www.art of testing | NA | While click on selenium tutorial all related content is open | As expect result | Pass |
| 17 | 5.3 | Check studio tutorial | Browser, website and Internet connection must be working | http//www.art of testing | NA | While click on studio tutorial all related content is open | As expect result | Pass |
| 18 | 5.4 | Check test NG tutorial | Browser, website and Internet connection must be working | http//www.art of testing | NA | While click on it all related content is open | As expect result | Pass |
| 19 | 5.5 | Check cucumber tutorial | Browser, website and Internet connection must be working | http//www.art of testing | NA | While click on it all related content is open | As expect result | Pass |
| 20 | 5.6 | Check drop up button | Browser, website and Internet connection must be working | http//www.art of testing | NA | While click on drop up button all automation part are closed | As expect result | Pass |
| 21 | 6 | Check performance dropdown | Browser, website and Internet connection must be working | http//www.art of testing | NA | While click on performance is dropdown | As expect result | Pass |
| 22 | 6.1 | Check performance testing | Browser, website and Internet connection must be working | http//www.art of testing | NA | While click on performance testing all content is open | As expect result | Pass |
| 23 | 6.2 | Check meter tutorial | Browser, website and Internet connection must be working | http//www.art of testing | NA | While click on meter tutorial is open | As expect result | Pass |
| 24 | 7 | Check java | Browser, website and Internet connection must be working | http//www.art of testing | NA | While click on open java related content | As expect result | Pass |
| 25 | 8 | Check interview question | Browser, website and Internet connection must be working | http//www.art of testing | NA | While click on all interview question is open | As expect result | Pass |
| 26 | 9 | Check tools review | Browser, website and Internet connection must be working | http//www.art of testing | NA | While click on tools and review are open | As expect result | Pass |
| 27 | 10 | Check close menu | Browser, website and Internet connection must be working | http//www.art of testing | NA | While click on close button all menu is closed | As expect result | Pass |
| 28 | 11 | Check face bool icon | Browser, website and Internet connection must be working | http//www.art of testing | NA | While click on face book icon its working | As expect result | Pass |
| 29 | 12 | Check twitter icon | Browser, website and Internet connection must be working | http//www.art of testing | NA | While click on twitter icon is working | As expect result | Pass |
| 30 | 13 | Check linked in icon | Browser, website and Internet connection must be working | http//www.art of testing | NA | While click on linked in icon its working | As expect result | Pass |
| 31 | 14 | Check p-interest icon | Browser, website and Internet connection must be working | http//www.art of testing | NA | While click on p-interest icon is working | As expect result | Pass |

4)Write a scenario of only WhatsApp chat message

|  |  |  |
| --- | --- | --- |
| SR NO | Test scenario (positive) | Test scenario (Negative) |
| 1 | verify to download and install the WhatsApp application | verify if cannot send message due to network issue |
| 2 | verify to configure the WhatsApp application and also backup if All Ready exist | verify if WhatsApp chat cannot send audio message large then 16 MB |
| 3 | verify to open the chat functionality | verify if draft message is not Save |
| 4 | verify in chat all contact is show or not | verify if draft message is not seen after closing chat |
| 5 | verify that search functionality is working or not | verify if sending message after some time it is deleted by sender then receiver does not know that message is delete by sender |
| 6 | verify if chat window display with contact with DP or without DP |  |
| 7 | verify in chat we make a voice call or video call properly or not |  |
| 8 | verify on click three dote working properly or not |  |
| 9 | verify that in keypad of chat is open and text properly and after hat share button is work or not |  |
| 11 | verify that in chat there is various function like adding GIF, emoji, sticker |  |
| 12 | verify that microphone is working or not |  |
| 10 | verify on click camera icon so camera is open or not |  |
| 11 | verify payment icon is working or not |  |
| 12 | verify we can change the theme of keypad |  |
| 13 | verify we can change the wallpaper of chat and we can choose from my photo, solid colour are light ang dark |  |
| 14 | verify we can see the preview of wallpaper change |  |
| 15 | verify we can change the theme of chat like dark and light |  |
| 16 | verify google translator is work or not |  |
| 17 | verify we cannot that who read our chat or not by coming double right blue tick |  |
| 18 | verify we know message is delivered or not by double right |  |
| 19 | verify in chat the message come then it Appear on upper side with know the number of Message come |  |
| 20 | verify we can mute notification, chat lock and disappearing message |  |
| 21 | verify we can block contact, clear chat, export chat and short cut |  |
| 22 | verify if last seen of another user we know or not if another one can show our last seen |  |

45)Write a scenario of pen

|  |  |  |
| --- | --- | --- |
| SRNO | Test scenario(positive) | Test scenario (Negative) |
| 1 | verify the type of pen, whether it is a ballpoint pen, ink pen, or gel pen | verify if the pen cap is missing then we cannot put on my pocket because its surrounding in pocket |
| 2 | verify that the user is able to write clearly over different types of papers | verify if the pen cap missing in winter season ink should be dry so I cannot write on time |
| 3 | check the weight of the pen. It should be as per the specifications. In case not mentioned in the specifications, the weight should not be too heavy to impact its smooth operation | verify if the cap is missing then if I put on my pocket but ink should be leak |
| 4 | verify if the pen is with a cap or without a cap | verify if the cap stand is broken then I cannot put on my pocket at one placed |
| 5 | verify the colour of the ink on the pan | verify if pen is old then company name is erased so how can I judge the pen having which company |
| 6 | verify the of the pen's ink on writing over a surface | verify if the pen grip is smaller them pen then on writing if make sound |
| 7 | verify the surfaces over which the pen is able to write smoothly apart from paper e.g. cardboard, rubber surface, etc | verify if pen area is small then pen not stable hold in hand |
| 8 | verify that the text written by the pen should not leak in case it is tilted upside down | verify if pen structure is square then on holding pen for long time period it fails pain in hand |
| 9 | verify that the pen's ink should not leak in case it is tilted upside down | verify if pen upper side cap is missing then pen is useless |
| 10 | verify if the pen 's ink should not leak at higher altitudes | verify if pen weight is more than it is not possible to hold in hand for a longer time period |
| 11 | verify if the text written by the pen is erasable or not | verify if pen is drop from height the pen tip is not work properly |
| 12 | verify the functioning of the pen by applying normal pressure during writing | verify if the pen is store in Refrigerator the pen ink is dry |
| 13 | verify the strength of the pen's outer body. It should not be easily breakable | verify if pen socket is missing then pen is useless |
| 14 | verify that text written by pen should not get faded before a certain time as mentioned in the specification | verify if pen cab is tight enough so that it will not get removed easily |
| 15 | verify if the text written by the pen is waterproof or not | verify the tip of the pen if you write by putting some pressure, then it should not get broken |
| 16 | verify that the user is able to write normally by tilting the pen at a certain angle instead of keeping it straight while writing | verify if the pen is old then ink will be dry |
| 17 | check the grip of the pen, and whether it provides adequate friction for the user to comfortably grip the pen | verify if pen middle is bigger in size then the flow of ink is in lager amount |
| 18 | verify if the pen can support multiple refills or not | verify if the pen outer body is covered with any soft Plastic the it is not possible to write for longer time period |
| 19 | verify the case of an ink pen, verify that the user is able to refill the pen with all the supported ink types | verify if the ink should not get overflow |
| 20 | for ink pens, verify that the mechanism to refill the pen is easy to operate | verify if pen tip sharp then on applying slightly pressure then page is break |
| 21 | In the case of a ballpoint pen, verify the size of the tip | verify if due to the heat in summer, the pen slips due to sweat in the hands |
| 22 | In the case of a ball and gel pen, verify that the user can change the refill of the pen easily | verify if on off function of tick tock pen is doing again and again it will produce sound |
| 23 | verify that pen refills will be changed according to user | verify if push button is missing then tick tock pen is not work |
| 24 |  | verify if on writing with gall pen water fell on and ink is spread |
| 25 |  | verify if colour of outer body of pen is faded then pen not look beautiful |
| 26 |  | verify if in winter season the ink of pen is dry |

46)Write a scenario of pen stand

|  |  |  |
| --- | --- | --- |
| SRNO | Test scenario(positive) | Test scenario (Negative) |
| 1 | Verify the material used to construct the pen stand (e.g., plastic, metal, wood) | Verify if pen stand company name is invisible so to judge which company manufacture it |
| 2 | Verify the shape of pen stand like circular, rectangular shape, square shape | Verify if pen stand is made of Plastic is then it will breakable |
| 3 | Verify the height of pen stand | Verify if pen stand material is glass the then on falling down it is break |
| 4 | Verify the area of pen stand | Verify if material is wood then it fills rough |
| 5 | Verify that Colour of pen stand | Verify if pen stand is size small then less the number of pens is used |
| 6 | verify that button of pen stand is present or not | Verify if pen stand is colour then its Colour is faded after some time |
| 7 | Verify that layer of pen stand | Verify that separation is missing then all pen is mixed |
| 8 | Verify that capacity of pen stand to hold numbers of pen | Verify that if inside light is missing cannot search pen inside it |
| 9 | Verify design of pen stand | Verify that button is missing then pen stand is un-useful |
| 10 | Verify the breadth of outer material | Verify that pen stand material steel then scratched on it |
| 11 | Verify the company name in pen stand |  |

47)Write a scenario of Door

|  |  |  |
| --- | --- | --- |
| SRNO | Test scenario(positive) | Test scenario (Negative) |
| 1 | verify if the door is single door or bi-folded door | verify if the door is not closed proper in rainy season because the door is swelled |
| 2 | verify if the door opens inwards or outwards | verify if door stopper in missing then door in close automatically |
| 3 | verify that the dimension of the door areas per the specifications | verify if door spring is missing then door does not close |
| 4 | verify that the material used in the door body and its parts is as per the specifications | verify if door has only Upper side lock the door is not properly closed |
| 5 | verify that colour of the door is as specified | verify if the door lock is not work in rainy season because of rusting |
| 6 | verify if the door is sliding door or rotating door | verify if the door handle is broken then door is not open and closed |
| 7 | verify the position, quality and strength of hinges | verify if door lock key is missing then door is not open |
| 8 | verify the type of locks in the door | verify if door is made of plastic the it damaged easily |
| 9 | verify the number of locks in the door interior side or exterior side | verify if the lens scratched then the user cannot see outer person properly |
| 10 | verify if the door is having peek-hole or not | verify if the door material is metal and colour of door is vanished then create sound |
| 11 | verify if the door is having stopper or not | verify if door material is brittle then it is easily to break |
| 12 | verify if the door closes automatically or not- spring mechanism | verify if the lens is dusted then not possible to look outer side |
| 13 | verify if the door makes noise when opened or closed | verify if door attached to wall tightly if one of screw is missing then door separate from wall |
| 14 | verify the door condition when used extensively with water | verify if the door material is metal then create sound at time of opening and closing |
| 15 | verify the door condition in different climatic conditions- temperature humidity etc | verify if door is made of wood and its surface is not smooth then it will be harmful |
| 16 | verify the amount of force-pull required to open or close the door | verify if door weight is more then it not possible to open or close |
| 17 |  | verify if the door lock is fixing with screw and if one of screw is missing then the lock in not work proper |
| 18 |  | verify if the door level is missing the then the door is not closed until user no closed |
| 19 |  | verify if the door stopper is fixed with screw and one of screw is remove then stoper in not work proper |
| 20 |  | verify if the bolt of the door is only at one side the door is locked only from one side |
| 21 |  | verify if door colour is light then colour is vanished and door look ugly |
| 22 |  | verify if the one of screw is missing of door handle the door handle not work proper |
| 23 |  | verify if the sometime wooden door can be trapped |
| 24 |  | verify if the opening the door on the inside and outside tiles is bad |
| 25 |  | verify if the door swells due to water |
| 26 |  | verify if sometime the door magnet is not working |
| 27 |  | verify the at that time human having the finger inside the door |
| 28 |  | verify if some time open the door some door having the outdoor closer but at that time the auto door closer any much so it’s very hard to opening and very hard to closing |
| 29 |  | verify the same of door and tiles having too much space the insect comes |
| 30 |  | verify if length of door is bigger them it is not possible to clean the door from upper side |
| 31 |  | verify if length of door is small then longer person head touch the door |
| 32 |  | verify if metal door is not painted then on rainy season is rusted |
| 33 |  | verify if sun rat incident on the Door the colour of door is faded and door not look beautiful |

48)Write a scenario of ATM

|  |  |  |
| --- | --- | --- |
| SRNO | Test scenario(positive) | Test scenario (Negative) |
| 1 | verify that all the labels and controls including text boxes, buttons, images, and link are present on the screen | verify the functionality by entering a wrong pin number for a particular number of times |
| 2 | verify the informative text written displayed on the screen is clearly visible and legible | verify the card ATM machine functionality by inserting an expired card |
| 3 | verify that all the labels and controls including text boxes, buttons, images, and link are present on the screen | verify the case withdrawal functionality by entering invalid amount such 10,20,50 |
| 4 | verify that the application's UI is responsive i.e. it should adjust to different screen resolutions of ATM machines. | verify the ATM machine functionality by entering amount greater than available balance |
| 5 | verify the type of ATM machine, if it has a touch screen, both keypad buttons only, or both. | verify the ATM machine functionality by entering amount greater than per day and per transaction limit |
| 6 | verify that on properly inserting a valid card different banking options appear on the screen. | verify if that the user is able to use the card of other banks on the ATM or not |
| 7 | verify that on option to continue and enter credentials is displayed to the user when the card is inserted incorrectly | verify if card reader is not work then card is not detected and process not forward |
| 8 | verify that the touch of the ATM screen is smooth and operational | verify if one the machine is stand then we cannot change its position |
| 9 | verify that the user is presented with the option to choose a language for further operational | verify if some time server week the user cannot use machine and transaction is failed |
| 10 | verify that that the user is asked to enter a pin number before displaying any card/bank account detail | verify if written text in small size the there is difficulty watch text proper |
| 11 | verify that there is a limited number of attempts up to which the user is allowed to enter the pin code | verify if limited amount is present on ATM because there is risk |
| 12 | verify that if the total number of incorrect pin attempts gets surpassed then the user is not allowed to continue further. And operations like temporary blocking of the card, etc get initiated | verify if light on button is not work then user don’t know on particular button work or not |
| 13 | verify that the pin is displayed in masked from when entered | verify if buttons of ATM not press easily then user press button with pressure so is time consuming |
| 14 | verify that the user is presented with different account type options like saving, current, etc. | verify if ATM has small size that user height then user has to bend |
| 15 | verify that the user is allowed to get account details like Available balance | verify if power supply is not proper then it does not work properly |
| 16 | verify that the correct amount of money gets withdrawn as entered by the user for cash withdrawal | verify ATM is cut or damaged from one of side then it is un useful for user |
| 17 | verify that the user is only allowed to enter the amount in multiple denominations as per the specifications | verify if cash money is not store then it is un useful for withdrawing money |
| 18 | verify that the user is only allowed to enter the amount again in case he Amount entered is less than minimum amount configured | verify if one of pair of lower side is missing then ATM cannot stand properly |
| 19 | verify that the user cannot withdraw more amount than the total available balance and a proper message should be displayed | verify if cash money store not locked then will be robbery |
| 20 | verify that the user is provided the option to get the transaction details in printed from | verify if one the button is not working then machine is not Usefully |
| 21 | verify that the user's session timeout is maintained | verify if screen scratch then user cannot watch properly |
| 22 | verify that the user is not allowed to exceed one transaction limit amount | verify if proper process for using ATM is not given so it is difficult for this user who go first time for withdrawing or deposit money |
| 23 | verify that the user is not allowed to exceed the one-day transaction per pin request | verify if user forgot to click on cancel Buttons the next user can transaction information |
| 24 | verify that in case the ATM machine runs out of money, a proper message is displayed to the user | verify if sometime damaged currency is withdrawal from machine so it problematic for user |
| 25 | verify that the applicable fee gets deducted along with the withdrawn amount in case the user exceeds the limit of the number of free transactions in a month | verify if card one day use limit is finished then user cannot use it for further needs |
| 26 | verify that that the applicable fee gets deducted along with the withdrawn amount in case the user uses a card of a bank than that of an ATM | verify if user can withdraw a limited amount of money so at the time of emergency user may suffer from various problem |
| 27 | verify that the user is not allowed to proceed with the expired ATM card and that a proper error message gets displayed | verify if speaker is not working then blind person how to know money is withdraw or debit to bank |
| 28 | verify that in case of sudden electricity loss before withdrawing cash, the transaction is marked as null and the amount is not withdraw from the user's account | verify if user height is small then ATM height then it is very difficult for user |
| 29 |  | verify if screen is small then there is difficulty in use it because some user suffer eye sight problem |
| 30 |  | verify if machine is not work on Automation the we have to use its key for further process |
| 31 |  | verify if ATM is connected with wi-fi then if connection is not stable then there is difficulty in using machine |
| 32 |  | verify if on enter card inside the ATM machine then light should be blink so that user know that enter card in right way |
| 33 |  | verify if magnetic link is finished then receipt is not printed |
| 34 |  | verify if all button function as not written properly then we cannot use it |
| 35 |  | verify if paper is finished inside then recipes is not given to user |
| 36 |  | verify if touch of ATM is not work then we cannot operate ATM properly |

49)When to used Usability testing?

* Usability testing in software testing is typically used to evaluate the ease of use and user-friendliness of a software product or application. It helps identify any usability issues or challenges that users might encounter while interacting with the software.

50)What is the procedure for GUI Testing?

* GUI testing, or Graphical User Interface testing, is a critical part of software testing to ensure that the graphical elements of the software application function correctly and meet user expectations

51)Write a scenario of Microwave Owen

|  |  |  |
| --- | --- | --- |
| SRNO | Test scenario(positive) | Test scenario (Negative) |
| 1 | verify that the dimensions of the oven are as per specification provided | verify if there is not speaker used then we cannot know over food is cooked |
| 2 | verify that the oven's material is optimal for its use as oven and as per the specification | verify if wire is cut or damaged then it will be harmful for user |
| 3 | verify that the oven heats the food at the desired temperature properly | verify if grid line design is paste on food item the sometime it not looking good |
| 4 | verify that the oven heats the food at the desired temperature within a specified time duration | verify if gate of oven is not transparent then we cannot see the plate is rotate or not |
| 5 | verify the ovens functioning with the maximum attainable temperature | verify if oven emit harmful radiation so it is harmful for human health |
| 6 | verify the ovens functioning with minimum attainable temperature | verify if weight of oven is heavy then we cannot change the position of oven |
| 7 | verify that the oven's plate rotation speed is optimal and not too high to spill the food kept over it | verify if plate is not cleaning because it is fixed at one position |
| 8 | verify that the oven's door gets closed properly | verify if timer is set then oven is automated off or not |
| 9 | verify that the oven's door opens smoothly | verify if colour of oven has light colour or black colour then it easily dusted |
| 10 | verify the battery requirement of the microwave oven and check that it function's smoothly at that power | verify if proper instruction is not visible then there is problem in operating it |
| 11 | verify that the text written over the oven's body is clearly readable | verify if proper utensil is not use then their will burning problem |
| 12 | verify that the digital display is clearly visible and functions correctly | verify if company name sticker is missing then we cannot know about it |
| 13 | verify that the temperature regulator is smooth to operate | verify if warning alarm at the time of any risk |
| 14 | verify that the temperature regulator works correctly | verify if microwave is time consuming because at one time only one dish is ready |
| 15 | verify the maximum capacity of the oven and test its functioning with that volume of food | verify if oven off/on indicator is not work then user cannot know that food is cooked or not |
| 16 | verify the oven's functionality with different kinds of solid, and liquid | verify if microwave operate when the door is open if door is bent then damaged the user |
| 17 | verify the oven's functionality with different food at different temperatures | verify if know and handles should not heat resistance then user may be burn |
| 18 | verify the oven's functionality with different kinds of container material | verify if oven does not have proper child safety and locking mechanism then there is high risk of any damaged |
| 19 | verify that the power cord of the oven is long enough | verify if forgetting to off the oven then will be risk of wire |
| 20 | verify that the usage instruction or user manuals have clear instructions | verify if grip is missing then at time of take cooked food outside it will burn user hand |
| 21 |  | verify if power supply is at low voltage the food is not cooked proper |
| 22 |  | verify if inside build is fuse off then user cannot know that gate is close or not |
| 23 |  | verify if inside plate of oven is not rotate smoothly then it produces sound |
| 24 |  | verify if limited capacity of oven so we cannot cook for larger Amount |
| 25 |  | verify if wire of oven is small so its position is near at plug position and we cannot change position of oven |
| 26 |  | verify if outer body is heated then timer switch on/off button may be melted |
| 27 |  | verify is switch is missing then we cannot on/off the oven |
| 28 |  | verify if number is not visible in temperature button we cannot increase/decreases the temperature according to need |
| 29 |  | verify if handle of oven is missing then user cannot open or close gate |
| 30 |  | verify if power supply is lower voltage the oven is not work |
| 31 |  | verify if wire connection is old then oven is not worked |
| 32 |  | verify if microwave occupied large amount of space |
| 33 |  | verify if one of stand in lower side is missing then microwave does not stand proper |
| 34 |  | verify if user cooked eggs the it will explode when pressure is increase |
| 35 |  | verify is user is stand directly against an oven then warm heat burn user |
| 36 |  | verify if proper magnets Is not work then the gate of oven is not closed |
| 37 |  | verify if cooking surface should be break down when exposed to high heating |
| 38 |  | verify if touch of oven is not proper work the we cannot operate oven |

52)Write a scenario of coffee vending machine

|  |  |  |
| --- | --- | --- |
| SRNO | Test scenario(positive) | Test scenario (Negative) |
| 1 | verify that the dimension of the coffee machine is the specification | verify if water is finished in inside bottle the inside machine is burn |
| 2 | verify that outer body, as well as inner part's material, is as per the specification | verify if switch is missing then we cannot operate machine |
| 3 | verify that the machine's body colour as well brand is correctly visible and as per specification | verify if pressure is set more the coffee will burn |
| 4 | verify the input mechanism for coffee ingredients-milk, water, coffee, beans/power, etc. | verify is safety fall is missing then the rod will be burn and may be blast |
| 5 | verify that the quantity of hot water, milk, coffee power per serving is correct. | verify if water heater is missing then coffee should not to formed |
| 6 | verify the power/voltage requirements of the machine | verify if in nozzle there is leakage then there is wastage of water and coffee |
| 7 | verify the effect of suddenly off the machine or cutting the power. The machine should stop in that situation and in power resumption, the remaining coffee should not get come out of the nozzle | verify if after making coffee and getting old after a few teams the name of the company cannot be seen the same |
| 8 | verify that coffee should not leak when not in operation | verify if is harmful for health because a large amount of coffee inside the body |
| 9 | verify the amount of coffee served in single-serving is as per specification | verify if in this machine we use for tea, coffee, hot water so all this will not mix at time of use |
| 10 | verify that the digital display correct information | verify if wire of machine is short in length the machine stend only on one position |
| 11 | verify if the machine can be switched on and off using the power buttons | verify if machine does not stand on proper height the it will harmful for child |
| 12 | verify for the indicator light when the machine is switched on-off | verify if nozzle is dusted then flow of coffee from machine to cup is slow |
| 13 | verify that the functioning of all the buttons work properly when pressed | verify if cup stand size is small then user only use small cups |
| 14 | verify that each button has an image/text with it, indicating the task it performs | verify if machine weight is heavy then user cannot change place |
| 15 | verify that complete quantity of coffee should get poured in a single operation, no residual coffee should be present the nozzle | verify if machine is automated and sensor of coffee is not work then hand user may burn |
| 16 | verify the mechanism to clen the system work correctly- foam | verify if machine colour is light and black then it is easily dusted |
| 17 | verify that the coffee served has the same and correct temperature each time it is served by the machine | verify if touch screen is dusted then user cannot use it |
| 18 | verify that system should display an error when it runs out of ingredients | verify if machine is manual then all switch work description is not visible then user cannot use it |
| 19 | verify that pressing the coffee button multiple times leads to multiple serving of coffee | verify if at low voltage machine is not work so make sure for proper backup |
| 20 | verify that there is the passage for residual/extra coffee in the machine | verify if warning instruction is not visible then it will be harmful for user in future |
| 21 | verify that machine should work correctly in different climatic, moistures and temperature conditions | verify is smoke alarm and heat detectors are not work then there is risk in safety |
| 22 | verify that machine should not make too much sound when in operation | verify if sticker of company is not present then user cannot know about it |
|  |  | verify if switch mechanism is not working according to it has then there will be difficulty in operate |
|  |  | verify if grinder malfunctions disturb then disturb your coffee production |
|  |  | verify if machine not maintain consistent temperature the extracted coffee resulting in a subpar taste |
|  |  | verify if filter is blocked then water supply is not smoothly into coffee maker |
|  |  | verify if flow of coffee is not frequency the it is time consuming and may be coffee drop come out from mug and cloth will be dirty |
|  |  | verify if pipe from which tea come outside is not clean |
|  |  | verify if upper side is open then machine is not run |
|  |  | verify if cup is full and swich is on the coffee is flow outside the mug and if there is not proper drainage then wear dress is dirty |
|  |  | verify if machine wire is cut or damaged then it will harmful for user |
|  |  | verify if cup stand is missing then user cannot put cup and at time of filling cup user may be burn |
|  |  | verify if touch screen is not work smoothly then there will be difficulty in use |
|  |  | verify if machine is manual and all swich is not work then user does not use it |
|  |  | verify if instruction of use coffee machine is not visible then user cannot user it properly |
|  |  | verify if outside body is not heat resistance then outer body may be multi and we cannot use to press button |
|  |  | verify if coffee vending machine can Occupied large amount of space |
|  |  | verify if your steam wind is not producing sufficient stem then it may be clogged with milk |

53)Write a scenario of chair

|  |  |  |
| --- | --- | --- |
| SRNO | Test scenario(positive) | Test scenario (Negative) |
| 1 | Verify the chair is stable enough to take an average human load | verify if one leg is missing the person is not seat comfortable |
| 2 | verify the material used in marking the chair-wood, plastic etc | verify if seat is made of plastic fabric the one layer is broken then whole seat is vanished |
| 3 | verify if the chair's leg level to the floor | verify if backrest sponge is lost then it fille painful |
| 4 | verify the usability of the chair as an office chair, normal household chair | verify if seat sponge is missing then its fill painful |
| 5 | verify if there is back support in the chair | verify if chair material is plastic then it will not use for long time period |
| 6 | verify if there is support in the chair | verify the one arm of chair is missing then cannot seat properly |
| 7 | verify the paint's type and colour | verify if backrest adjustable is broken then chair is fix on one position |
| 8 | verify if the chair material is brittle or not | verify if one wheel is missing from legs then chair not stand stable |
| 9 | check if cushion is provided with chair or not | verify if chair material is brittle then it will be broken |
| 10 | verify the condition when washed with water or effect of water on chair | verify if backrest is missing then a person cannot take rest |
| 11 | verify that the dimension of chair is as per the specifications | verify if chair material is metal then check there is proper welding or not |
| 12 | verify that the weight of the chair is as per the specifications | verify if chair material is metal then it’s created irritating sound |
| 13 | check the height of the chair's seat from floor | verify if one arm of chair is missing then cannot seat properly |
| 14 | verify the design of seat like circular, square, etc. | verify if chair material is wood then on shifting chair the wood is rub so chair is disbalance |
| 15 | verify the material used for backrest like wooden, cloth, cotton, etc. | verify is chair legs are of same size or not |
| 16 | verify the type of support for hand like round, rectangular, etc. | verify if chair material is wood then is fill so hard |
| 17 | verify the back rest is adjustable or not and it has 45degree tilt | verify if one wheel of chair is fixing on one position then chair is not rotate |
| 18 | verify what the maximum amount of load the chair is handling is | verify if chair legs wheel like proper work hand like round rectangular etc |
| 19 |  | verify if chair arm support is rough then it will harmful for hand |
| 20 |  | verify if put down under sun rays then colour of chair is faded and chair not look attractive |
| 21 |  | verify if back rest is small then a person cannot take proper rest |
| 22 |  | verify if wheel is not work then chair cannot change their position |
| 23 |  | verify if chair material is metal and surface is not equal then at the time of sitting it create sound |
| 24 |  | verify if dust go inside the chair the on sitting of chair dust come on dress |
| 25 |  | verify if chair put down under rain the chair colour is faded and chair not look lick attractive |
| 26 |  | verify if chair is old then on heavy weight of object chair will be break down |
| 27 |  | verify if chair is old then name is not visible then we cannot find out brand of company |
| 28 |  | verify if chair material is bother then it will be broken |
| 29 |  | verify if chair lags wheel has high speed the user may be fall down |
| 30 |  | verify if chair seat is not comfortable then we cannot seat on it |

54)To create scenario of (positive & negative)

Gmail (Receiving mail)

|  |  |  |
| --- | --- | --- |
| SRNO | Test scenario(positive) | Test scenario (Negative) |
| 1 | verify that a newly received email is displayed as highlighted in the inbox section | Verify if due to network, there may be delay in receiving mail |
| 2 | verify that a newly received email has correctly displayed sender email id or name, mail subject and mail body | Verify if mail come as span so user cannot get notification of receiving mail |
| 3 | verify that on clicking the newly received email, the user is navigated to email content | Verify if when user read the mail but counting of mail unread is not decrease. It shows only 99+ mail |
| 4 | verify that the email contents are correctly displayed with the desired source formatting | Verify if user can receive mail but the counting of unread mail is not increased. It shows only 99+ mail |
| 5 | verify that any attachments are attached to the email and are downloadable | Verify if that the user finds a lack of option for customizing the layout |
| 6 | verify that the attachments are scanned for viruses before download | Verify if total number of received mail does not match to the actual number of mails in the mailbox |
| 7 | verify that all the emails marked as read are not highlighted | Verify if the order of received email change unexpecting affecting user organisation |
| 8 | verify that all the emails read as well as unread have a mail read time appended at the end on the email list Displayed in the inbox | Verify if filter fail to organizes email correctly as per defined rules |
| 9 | verify that count of unread emails is Displayed alongside 'inbox' text in the left sidebar of Gmail | Verify that the g-mail received mail page experienced loading times and also user frustration |
| 10 | verify that unread email count increases by one on receiving a new email |  |
| 11 | verify that unread email count decreases by one on reading an email |  |
| 12 | verify that email recipients in cc are visible to all users |  |
| 13 | verify that email recipients in bcc are not visible to the user |  |
| 14 | verify that all received emails get piled up in the 'inbox' section and get deleted in cyclic fashion based on the size availability |  |
| 15 | verify that email can be received from non- Gmail id like yahoo, Hotmail etc |  |

Only shopping to buy product (Flipkart)

|  |  |  |
| --- | --- | --- |
| SRNO | Test scenario(positive) | Test scenario (Negative) |
| 1 | Verify to downloads the application from play store | Verify if we click on flip kart icon then there will come that “write a message” which is not write |
| 2 | Verify that the company logo and name are proper | Verify if some location pin code is not available |
| 3 | Verify user is navigate through all the products across difference categories | Sometime it’s show so many images of product |
| 4 | Verify that all the link and banners are redirecting to the correct product/category pages and none of the links are broken | Verify is sometime it’s not show how many numbers of product is available |
| 5 | Verify that user can watch product description properly | Verify if sometime it shows invalid product |
| 6 | Verify that all images of product properly visible | Verify if that the product review and rating failed to load due to bad connection |
| 7 | Verify that relevant product is show below selected product image | Verify if that the product not added to cart even after clicking the add to cart |
| 8 | Verify that on search product all related product images is come on page |  |
| 9 | Verify that the correct count of total product is displayed on the category pages |  |
| 10 | Verify that liked product is add to your wish listed |  |
| 11 | Verify that filter category the product which user required |  |
| 12 | Verify that filter show right number of selected Category |  |
| 13 | Verify that according to user need it choose price range |  |
| 14 | Verify that user choose category of product size |  |
| 15 | Verify that user choose discount range |  |
| 16 | Verify that user select the brand of product |  |
| 17 | Verify that user select the Colours of product |  |
| 18 | Verify that add product add to cart |  |

55)Write a scenario of wrist watch

|  |  |  |
| --- | --- | --- |
| SRNO | Test scenario(positive) | Test scenario (Negative) |
| 1 | verify the type of watch log or digital | verify if watch material is leather then there is stretch on the belt |
| 2 | In the case of log watch, verify the correctness time displayed by the second, minute, and hour hand of the watch | verify if colour of watch is light then after some time colour is look dirty |
| 3 | in case of a digital watch, verify the digital display for hours, minutes, and seconds is correctly displayed | verify if watch bald material is made of plastic then it effected hand in summer season |
| 4 | verify the material of the watch and its strap | verify if upper glass paper is missing then glass is scratched |
| 5 | verify if the shape of the dial is as per specification | verify if watch buckle tongue is missing then watch belt is not tight |
| 6 | verify the dimension of the watch is as per the specification | verify if case back is missing then watch is not fill comfortable on hand |
| 7 | verify the weight of the watch | verify if cell is placed inside watch longer time the it is rusted |
| 8 | verify if the watch is waterproof or not | verify if free loop is missing then belt is not fix |
| 9 | Verify that the number in the dial are clearly visible or not | verify if dimension of watch is bigger the if fill bother on hand |
| 10 | verify if the watch is having a date and day display or not | verify if cell is old then watch is not work |
| 11 | verify the colour of the text displayed in the watch time, day, date, and other information | verify if weight of watch is heavy then it fille so sad |
| 12 | verify that clocks time can be corrected using the key in case of log clock and button in case of a digital clock | verify if distance between two adjustment hole is large then is difficult to fix it |
| 13 | verify if the second hand of the watch makes ticking sound or not | verify if one of stick in inside watch is missing then do not show correct time |
| 14 | verify if the brand of the watch and check if its visible in the dial | verify if watch is dropping from a specific height the watch is damaged |
| 15 | verify if the clock is having stopwatch, timers, and alarm functionality or not | verify if watch buckle is missing then watch belt is not fixed |
| 16 | In the case of a digital watch, verify the format of the watch 12 hours or 24 hours | verify if crown of watch is missing then we cannot adjust time |
| 17 | verify if the watch comes with any guarantee or warranty | verify if number in inside the watch are not proper visible then we cannot find out time |
| 18 | verify if the dial has glass covering or plastic, verify if the material is breakable or not | verify if watch upper glass is scratched then cannot see proper time |
| 19 | verify if the dial's glass/plastic is resistant to minor scratches or not | verify if water go inside the machine the watch is stopped |
| 20 | verify the battery requirement of the watch | verify if dusting in inside machine the watch cannot work proper |
| 21 |  | verify if watch belt size is more then it will be louse in hand |
| 22 |  | verify if it runs for a long time the name of the company is erased |
| 23 |  | verify if the belt of the watch is made of rubber it will leave an impression after wearing it for a long time |
| 24 |  | verify if the watch date is given multiple times all the months have to be changed |
| 25 |  | verify if the watch in four digits Are given this side then the time cannot be recognized |
| 26 |  | verify if there are diamonds in the watch if they come off the watch does not look good |
| 27 |  | verify if the watch has design if it goes out it doesn’t look good |

56)Write a scenario of lift (Elevator)

|  |  |  |
| --- | --- | --- |
| SRNO | Test scenario(positive) | Test scenario (Negative) |
| 1 | verify the dimensions of the lift | verify the behaviour of lift when the capacity of lift exceeds |
| 2 | verify the type of door of lift is as per the specification | verify the behaviour of lift when there is smoke or fire inside the lift |
| 3 | verify the type of metal used in the lift in the lift interior and exterior | verify the behaviour by pressing open button while lift is moving |
| 4 | verify the capacity of the lift in terms of the total weight | verify the behaviour by pressing stop button before reaching the specific floor |
| 5 | verify the button in the lift to close and open the door and numbers as per the number of floors | verify if power supply is suddenly stop then the life is stop |
| 6 | verify that the lift moves to the particular floor as the button of the floor is clicked | verify if wire of lift is old then there is heavy possibility of breakdown of wire |
| 7 | verify that the lift stops when the up/down button on a particular floor are pressed | verify if help button is missing then we cannot make contact to at the time of emergency |
| 8 | verify if there is an emergency button to contact officials in case of any mishap | verify if door operator system is not working then there is difficulty for open and closing the door |
| 9 | verify the performance of the floor-the time taken to go to a floor | verify if the lift is made of wood, it smells bad in the monsoon season |
| 10 | verify that in case the button to open the door is pressed before reaching the destination floor | verify if the lift is made of wood, it geta lifted in the monsoon season |
| 11 | verify lifts working in case the button to open the door is pressed before reaching the destination floor | verify if there is a mesh lift, the grease on it will damage the hand |
| 12 | verify that in case the door is about to close and an object is placed between the doors if the doors sense the object and again open or not | verify if dust gets stuck in the lift door, it takes time to open and close |
| 13 | verify the time duration for which the door remains open by default | verify if the digit in the lift is erased, the floor is not known |
| 14 | verify if the lift interior is having proper air ventilation | verify if the sound control is turned off in the elevator, it is not known which floor it is |
| 15 | verify lighting in the lift | verify if lows voltage supply that lift is stop |
| 16 | verify that at no point the lift door should open while in motion | verify if fan is not present in lift there will be suffocation |
| 17 | verify that in case of power loss, there should be a backup mechanism to safely get into a floor or a backup power supply | verify if key of lift is not working then lift is not open at the time of emergency |
| 18 | verify that in case the multiple floor number button is clicked, the lift should stop on each floor | verify if door operator system is not working then there is difficulty for open and closing the door |
| 19 | verify that in case of capacity limit is reached users are prompted with a warning alert-audio/visual | verify if light button is not working then there is darkness inside lift |
| 20 | verify that inside lift users are prompted with the current floor and direction information the lift is moving towards- audio/visual prompt | verify if call button is not working then passenger is not able to call the lift to their floor |
| 21 |  | verify if outside of lift their only button for stopping of lift the person wants to go downside and lift go upside and lift is stop so for user it is time consuming |
| 22 |  | verify if emergency break is not working then if cable is break then this break is activated |
| 23 |  | verify if lock is not proper of lift the we should not open lift at the time of emergency |
| 24 |  | verify if outside of lift person click on open button and lift is not come and door is open then it will be harmful for person |
| 25 |  | verify if speed governor is not working then lift starts to move too quickly speed governor cannot activate brake |
| 26 |  | verify if lift location machine is not working then we are not able to find the location of lift |
| 27 |  | verify if weight sensor is not working then it would not able to alert time of overloading |
| 28 |  | verify if door sensor is not working properly then if person is present between door the it will harmful for the person |
| 29 |  | verify if light fuse is damaged then the light is not working and will be darkness inside lift |
| 30 |  | verify if emergency button is click on between two floor the lift is stop at that place |
| 31 |  | verify if lift is overloading then it can damage the machinery and caused it to break down |
| 32 |  | verify if the control unit is brain of lift and if is not working properly then the lift would not be able to function |
| 33 |  | verify if bad solenoid is used then lift would not able to work because solenoid actually control the lift |
| 34 |  | verify if wires and connector are damaged then the lift may be stop at any time |
| 35 |  | verify if some object is placed between door the lift is placed at only one floor and other user are fatting for if |

57)Write a scenario of WhatsApp Group (generate group)

|  |  |  |
| --- | --- | --- |
| SR NO | Test scenario (Positive) | Test scenario (Negative) |
| 1 | verify to download and install the WhatsApp application | Verify if draft message is not seen after closing chat |
| 2 | verify to configure the WhatsApp application and also backup if all Ready exist | Verify that draft message is written but it not come on first position |
| 3 | verify if the WhatsApp group is open | Verify is draft message is not saved |
| 4 | verify if that user is able to create a new or not | Verify if admin want to change group name, previous name is erased on type anything which is wrong |
| 5 | verify if that user is able to add multiplex contacts from contact list | Verify if user watch past member so it looks “search….” Is not write |
| 6 | verify that user is able to add group name and select image from DP | Verify if user change group name and description then chat is not come on top of chat but message is come of changing it |
| 7 | verify user can add or remove contacts from groups |  |
| 8 | verify user can deleted the group |  |
| 9 | verify user can send or receive text, images, documents, video, audio, GIF, contacts, location, sticker in group |  |
| 10 | verify user is able to make multiple video call in group chat box |  |
| 11 | verify that user is able to see the group contact information from group information from group info chat box |  |
| 12 | verify that user is able to mute the group in group chat box |  |
| 13 | verify that all options like report, block, clear chat, export chat and shortcut |  |

583)Write a scenario of WhatsApp payment

|  |  |  |
| --- | --- | --- |
| SR NO | Test scenario (Positive) | Test scenario (Negative) |
| 1 | verify to download and install the WhatsApp application | Verify that the WhatsApp payment method is same as other online payment app |
| 2 | verify to configure the WhatsApp application and also backup if All Ready exist | Verify that the BHIM/UPI password also used in WhatsApp pay |
| 3 | verify that WhatsApp is open or not | Verify that if we transfer big amount so we can take permission |
| 4 | verify that after click payment option its open or not | Verify that WhatsApp show perfect bank balance |
| 5 | verify that add bank account option is working or not | Verify if other functionality like gas payment, bill payment and other is not available |
| 6 | verify that send payment option is working or not |  |
| 7 | verify that we can scan the QR code option is working or not |  |
| 8 | verify that on can QR code name of oner is display or not |  |
| 9 | verify that chat with Business option is working or not |  |
| 10 | verify that all payment history is display or not |  |
| 11 | verify add payment method option is working or not |  |
| 12 | verify help option is open or not and for that Queries is selected |  |
| 13 | verify that on click this does not answer my question option is working or not |  |