**Module–2 ( manual testing)**

**Q-1 What is Exploratory Testing ?**

Exploratory testing is an approach to software testing that is often described as simultaneous learning, test design, and execution.

**Q-2 What is traceability matrix?**

A traceability matrix is a document that details the technical requirements for a given test scenario and its current state.

**Q-3 What is Boundary value testing?**

Boundary value analysis is a methodology for designing test cases that Concentrates software testing effort on cases near the limits of valid Ranges.

**Q-4 What is Equivalence partitioning testing?**

The numbers fall into a partition where each would have the same, or Equivalent, result i.e. an Equivalence Partition (EP) or Equivalence Class.

**Q-5 What is Integration testing?**

Integration perform to expose defect in the interface and interrection between integrated components or systems.

**Q-6 What determines the level of risk?**

* A properly designed test that passes, reduces the overall level of Risk in A syst
* Risk – ‘A factor that could result in future negative Consequences; usually expressed as impact and likelihood’
* When testing does find defects, the Quality of the software system
* Increases when those defects are fixed
* The Quality of systems can be improved through Lessons learned from Previous projects

**Q-7 What is Alpha testing?**

**.** It is always performed by the developers at the software development Site.

**.** Sometimes it is also performed by Independent Testing Team.

**.** Alpha Testing is not open to the market and public

**.** It is conducted for the software application and project.

**.** It is always performed in Virtual Environment.

**.** It comes under the category of both White Box Testing and Black Box Testing

**.** t is the form of Acceptance Testing.

**Q-8 What is beta testing?**

**.** It is always performed by the customers at their own site.

**.** It is not performed by Independent Testing Team.

**.** Beta Testing is always open to the market and public.

**.** It is usually conducted for software product.

**.** It is also the form of Acceptance Testing.

**.** It is only a kind of Black Box Testing

**.** It is performed in Real Time Environment.

**Q-9 What is component testing?**

Component (Unit )Testing is a level of the software testing process where individual Units/components of a software/system are tested. The purpose is to Validate that each unit of the software performs as designed.

**Q-10 What is functional system testing?**

Functional System Testing : A requirement that specifies a function that A system or system component must perform

**Q-11 What is Non-Functional Testing?**

Non-Functional Testing: Testing the attributes of a component Or system that do not relate to functionality, e.g. reliability, Efficiency, usability, interoperability, maintainability and Portability

Example:

1. Web based testing.
2. Desktop based testing.
3. Mobile based testing.
4. Game based testing.

**Q-12 What is GUI Testing?**

Graphical User Interface (GUI) testing is the process of testing the system’s GUI of the System under Test. GUI testing involves checking the screens With the controls like menus, buttons, icons, and all types of bars – tool bar, Menu bar, dialog boxes and windows etc.

Example:

1. Web Based Testing & Desktop Based Testing.
2. Mobile Based Testing.
3. Game Based Testing.

**Q-13 What is Adhoc testing?**

* Adhoc testing is an informal testing type with an aim to break the System.
* It does not follow any test design techniques to create test cases.
* In fact is does not create test cases altogether!
* This testing is primarily performed if the knowledge of testers in the System under test is very high
* Main aim of this testing is to find defects by random checking.
* Adhoc testing can be achieved with the testing technique Called Error Guessing.

**Q-14 What is load testing?**

Load testing is a kind of performance testing which determines a system’s Performance under real-life load conditions. This testing helps determine how The application behaves when multiple users access it simultaneously

**Q-15 What is stress Testing?**

Stress testing – System is stressed beyond its specifications to check How and when it fails. Performed under heavy load like putting large Number beyond storage capacity, complex database queries, Continuous input to system or database load

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

White box testing is also called glass testing or open box testing. In Order to perform white box testing on an application, the tester needs To possess knowledge of the internal working of the code.

**Types :**

* **Statement coverage**
* **Decision coverage**
* **Condition coverage**

**Q-17 What is black box testing? What are the different black box testing techniques?**

The technique of testing without having any knowledge of the Interior workings of the application is Black Box testing.

**Techniques of Black Box Testing**

1. Equivalence partitioning

* Aim is to treat groups of inputs as equivalent and to select one Representative input to test them all
* EP can be used for all Levels of Testing

1. Boundary value analysis

* Boundary value analysis is a methodology for designing test cases that concentrates software testing effort on cases near the limits of valid ranges

1. Decision tables

* A decision table is a good way to deal with combinations of things (e.g. inputs).

1. State transition testing

* State Transition Testing: A black box test design technique in which Test cases are designed to execute valid and invalid state transitions. Also Known as N-switch testing.

1. Use-case Testing
2. Other Black Box Testing

* Syntax or Pattern Testing

**Q-18 Mention what are the categories of defects?**

**Bug Category:** Security, Database, Functionality (Critical/General), UI

**Bug Severity:** Severity with which the bug affects the application – Very High, High, Medium, Low, Very Low

**Bug Priority:** Recommended priority to be given for a fix of this bug – P0, P1, P2, P3, P4, P5 (P0-Highest, P5-Lowest)

**Q-19 Mention what bigbang testing is?**

• In Big Bang integration testing all components or modules isIntegrated simultaneously, after which everything is tested as a whole.

• Big Bang testing has the advantage that everything is finished before Integration testing starts.

• The major disadvantage is that in general it is time consuming and Difficult to trace the cause of failures because of this late integration.

• Here all component are integrated together at once, and then Tested**.**

**Advantages:**

* Convenient for small systems.

**Disadvantages:**

* Fault Localization is difficult.
* Given the sheer number of interfaces that need to be tested in tthi Approach, some interfaces links to be tested could be missed easily.

**Q-20 What is the purpose of exit criteria?**

Purpose of exit criteria is to define when we STOP testing either at the

* End of all testing – i.e. product Go Live
* End of phase of testing (e.g. hand over from System Test to UAT)

**Q-21 When should "Regression Testing" be performed?**

Regression Testing: Testing of a previously tested program Following modification to ensure that defects have not been Introduced or uncovered in unchanged areas of the software, as A result of the changes made. It is performed when the software Or its environment is changed.

**Q-22 What is 7 key principles? Explain in detail?**

1. **Testing shows presence of Defects**

* Using testing weekend find effect from website , mobile app or desktop app
* Using this to weekend reduce the risk or probability of defect

1. **Exhaustive Testing is Impossible!**

* All combination of input and precondition is not cheque to possible
* One priority base testing will be done

1. **Early Testing**

* Weekends start testing is early as possible means weecan tast sort testing before implementation
* In another word that is statink testing

1. **Defect Clustering**

* Cluster means groups / defect are not evenly spread in a system

1. **The Pesticide Paradox**

* Regularly rewie and revard data for new error

1. **Testing is Context Dependent**

* Different kind of sites are tested differently

1. **Absence of Errors Fallacy**

* Defect you been resolved but still because requirements not same

**Q-23 Difference between QA v/s QC v/s Teste**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.N.** | **Quality assurance** | **Quality control** | **Testing** |
| **1 .** | It is a subset of Software Test Life Cycle (STLC). | QC can be considered asthe subset of Quality Assurance | Testing is the subset of Quality Control. |
| **2.** | Preventive activities | t is a corrective process | It is a preventive process |
| **3.** | Process oriented activities. | Product oriented activities. | Productoriented activities |
| **4.** | Focuses on processes and procedures rather than conducting actual testing on the system. | Focuses on actual testing by executing Software with intend to identify bug/defect through implementation of procedures and process. | Focuses on actual testing |

**Q-24 Difference between Smoke and Sanity?**

|  |  |  |
| --- | --- | --- |
| **S.N.** | **Smoke Testing** | **Sanity Testing** |
| **1.** | Smoke Testing is performed to ascertain thet the critical functionalities Of the programs is the working fine | Sanitary testing is done to check the new functionality/bugs has been fine |
| **2.** | The objective of this testing is to verify” stability" of the system in order to with more rigorous testing | The objective of the testing is to verify the  the "rationality" of the system inorder proceed  to proceed with more rigorous testing |
| **3.** | This testing is performed by the developers  or testers | Sanity testing is usually performed by testers |
| **4.** | Smoke testing is usually documented or scripted | Sanity testing is usually not documented and is unscripted |

**Q-25 Difference between verification and Validation**

|  |  |  |
| --- | --- | --- |
| **Criteria** | **Verification** | **Validation** |
| **Definition** | Validation Definition The process of evaluating work-products (not the actual final product) of a development phase to determine whether they meet the specified requirements for that phase | The process of evaluating software during  or at the end of the development process to determine whether it satisfies specified business requirements. |
| **Question** | Are we building the product right? | Are we building the right product? |
| **Evaluation**  **Items** | Plans, Requirement Specs, Design  Specs, Code, Test Cases | The actual product/software. |
| **Activities** | . Reviews  . Walkthroughs  . Inspections | . Testing |

**Q-26 Explain types of Performance testing.**

1. Load testing
2. Stress testing
3. Endurance testing
4. Spike testing
5. Volume testing
6. Scalability testing

**Q-27 What is Error, Defect, Bug and failure?**

**Error ->** a human action that produces an incorrect result

**Defect ->** A flaw in a component or system that can cause The component or system to fail to perform its Required function

**Failure ->** Deviation of the component or system from its Expected delivery, service or result

**Q-28 deifference between Priority and Severity**

|  |  |  |
| --- | --- | --- |
| **Parameters** | **Severity** | **Priority** |
| **Definition** | Severity is a term that denotes how severely a defect can affect the functionality of the software. | Priority is a term that defines how fast we need to fix a defect. |
| **Relation** | Severity relates to the standards of quality. | Priority relates to the scheduling of defects to resolve them in software. |
| **Value** | The value of severity is objective. | The value of priority is subjective. |
| **Change of Value** | The value of severity changes continually from time to time | The value of priority changes from time to time |

**Q-29 What is Bug Life Cycle?**

The duration or time span between the first time defects is found And the time that it is closed successfully, rejected, postponed or Deferred is called as ‘Defect Life Cycle

**Q-30 Explain the difference between Functional testing and NonFunctional testing**

|  |  |
| --- | --- |
| **Functional testing** | **Non-functional testing** |
| Functional testing is performed using the Non-Functional functional specification provided by the client and verifies the system against the functional requirement | Testingchecksthe Performanc,reliability  scalability and other non-functional aspects |
| unctional testing is executed first | Non functional testing should be performed  after functional testing |
| Manual testing or automation tools can be  used for functional testin | Using tools will be effective for this testing |
| Business requirements are the inputs to functional testing | Performance parameters like speed , scalability are inputs to non-functional testing |
| Functional testing descr Goal ibes what the product does | Nonfunctional testing describes how good the product works |

**Q-31 What is the difference between the STLC (Software Testing Life Cycle) and SDLC**

**(Software Development Life Cycle)?**

|  |  |
| --- | --- |
| **Software testing life cycle** | **Software development life cycle** |
| SDLC is mainly related to software development. | STLC is mainly related to software testing. |
| |  | | --- | | Besides development other phases like testing is also included. | | |  | | --- | | It focuses only on testing the | |
| SDLC, development team makes the plans and designs based on the requirements. | STLC, testing team(Test Lead or Test Architect) makes the plans and designs. |
| Gol of SDLC is to complete successful development of software. | Goal of STLC is to complete successful testing of software. |
| SDLC phases are completed before the STLC phases. | STLC phases are performed after SDLC phases. |

**Q-32 What is the difference between test scenarios, test cases, and test script?**

|  |  |  |
| --- | --- | --- |
| **Test scenarios** | **Test cases** | **Test scripts** |
| Is any functionality that can be tested. | Is a set of actions executed to verify particular features or functionality. | Is a set of instructions to test an app automatically |
| Helps test the end-to-end functionality in an Agile way | Helps in exhaustive testing of an app. | Helps to test specific things repeatedly. |
| Is more focused on what to test | Is focused on what to test and how to test. | Is focused on the expected result. |
| Takes less time and fewer resources to create | Requires more resources and time. | Requires less time for testing but more resources for scripts creating and updating. |
| Includes an end-to-end functionality to be tested | Includes test steps, data, expected results for testing | Includes different commands . to develop a script |
| The main task is to check the full functionality of a software application | The main task is to verify compliance with the applicable standards, guidelines, and customer requirements. | The main task is to verify that nothing is skipped, and the results are true as the desired testing plan |
| Allows quickly assessing the testing scope. | Allows detecting errors and defects | Allows carrying out an automatic execution of test cases. |

**Q-33 Explain what Test Plan is? What is the information that should be covered.**

• Test Planning in STLC is a phase in which a Senior QA manager determines The test plan strategy along with efforts and cost estimates for the project.

• Moreover, the resources, test environment, test limitations and the testing Schedule are also determined.

• The Test Plan gets prepared and finalized in the same phase.

• **Activities in Requirement Phase Testing**

• Preparation of test plan/strategy document for various types of testing

• Test tool selection

• Test effort estimation

• Resource planning and determining roles and responsibilities.

• Training requirement

• **Deliverables of Requirement Phase Testing**

• Test plan /strategy document.

•Effort estimation document.

**Q-34 What is priority?**

Severity is absolute and Customer-Focused. It is the extent to Which the defect can affect the software. In other words it defines the Impact that a given defect has on the system.

**Q-35 What is severity?**

Priority is Relative and Business-Focused. Priority defines the order in Which we should resolve a defect. Should We fix it now, or can it wait? This Priority status is set by the tester to the developer mentioning the time frame to Fix the defect. If high priority is mentioned then the developer has to fix it at The earliest. The priority status is set based on the customer requirements.

**Q-36 Bug categories are…**

**Bug Category:** Security, Database, Functionality (Critical/General), UI

**Q-37 Advantage of Bugzila .**

• Bugzilla is an open-source issue/bug tracking system that allows Developers effectively to keep track of outstanding problems with their Product. It is written in Perl and uses MYSQL database.

• Bugzilla is a defect tracking tool, however it can be used as a test Management tool as such it can be easily linked with other test Case management tools like Quality Center, Testlink etc.

• This open bug-tracker enables users to stay connected with their clients or Employees, to communicate about problems effectively throughout the datamanagement chain.

• Key features of Bugzilla includes

• Advanced search capabilities

• E-mail Notifications

• Modify/file Bugs by e-mail

• Time tracking

• Strong security

• Customization

• Localization

**Q-38 Difference between priority and Severity.**

**Q-39 What are the different Methodologies in Agile Development Model?**

The Agile methodology is a way to manage a project by breaking it up into several phases. It involves constant collaboration with stakeholders and continuous improvement at every stage. Once the work begins, teams cycle through a process of planning, executing, and evaluating.

**Q-40Explain the difference between Authorization and Authentication in Web testing. What are the common Problems faced in Web testing?**

**• Authentication:** Accepting an invalid username/password

**• Authorization:** Accessibility to pages though permission not given.

**Q-41 Write a scenario of only Whatsapp chat messages**

1. User can set chat wallpaper or not.
2. Sets user settings such as Last Seen, On Off, Online Status, etc.
3. User can update notification settings or not.
4. Whether recording takes place or not.
5. Received messages and sent messages are deleted or not.
6. Whether the message is highlighted or not when touched.
7. A message can be copied or not.
8. A message can be starred or not.
9. The message can be forwarded to someone else or not.
10. Can wallpaper be applied in whatsapp chats or not?
11. Message type can be matched in whatsapp keyboard or not.
12. Emoji can be sent in whatsapp chats or not.
13. Camera opens in whatsapp chat message or not.
14. Recordings can be unlocked and deleted or not.
15. A message can be deleted for everyone, deleted for me and deleted or not.
16. WhatsApp chat messages show who has messaged and the date the message was received or not.
17. The phone number used by the user whatsapp application can be updated or not.
18. Video call audio call or not.
19. Photo and song are sent or not.
20. User can send whatsapp dp and status or not.
21. Check whether the user can send and receive chats in all available languages.
22. Check whether the user can send and receive chats in all available languages.
23. Document, Camera, Gallery, Audio, Location, Contact, Poll can be opened or not in the paper clip icon.

**Q-42 Write a Scenario of Pen.**

1. Verify the type of pen, whether it is a ballpoint pen, ink pen, or gel pen.
2. Verify that the user is able to write clearly over different types of papers.
3. Verify if the pen’s ink should not leak at higher altitudes.
4. Verify if the text written by the pen is erasable or not.
5. Check the functioning of the pen by applying normal pressure during writing.
6. Verify the strength of the pen’s outer body. It should not be easily breakable.
7. Verify that text written by pen should not get faded before a certain time as mentioned in the specification.
8. Check if the text written by the pen is waterproof or not.
9. For ink pens, verify that the mechanism to refill the pen is easy to operate.
10. In the case of a ballpoint pen, verify the size of the tip.
11. In the case of a ball and gel pen, verify that the user can change the refill of the pen easily
12. 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.
13. Verify if the pen is with a cap or without a cap.
14. Verify the color of the ink on the pen.
15. Check the odor of the pen’s ink on writing over a surface.
16. Verify the surfaces over which the pen is able to write smoothly apart from paper e.g. cardboard, rubber surface, etc.
17. Verify that the text written by the pen should have consistent ink flow without leaving any blob.
18. Check that the pen’s ink should not leak in case it is tilted upside down.
19. Verify that the user is able to write normally by tilting the pen at a certain angle instead of keeping it straight while writing
20. Check the grip of the pen, and whether it provides adequate friction for the user to comfortably grip the pen.
21. Verify if the pen can support multiple refills or not.
22. In the case of an ink pen, verify that the user is able to refill the pen with all the supported ink types.

**Q-43 Write a Scenario of Pen Stand.**

1. Check the physical material of the pen stand.
2. The bio physical material of the pen stand should be wood, plastic or paper and should not break easily.
3. Check the color of the outer part of the pen stand should be as per specification.
4. The exterior of the pen stand should not be discolored.
5. If the shape of the pen stand is round square then it should be proper.
6. Favicol is good used in pen stand or not.
7. Check if the pan is held in the stand.
8. Whether or not the pen stand is kept large or small.
9. Check whether the pant stand is light or heavy in weight.
10. Whether the shape kept in the stand is small or large, it will shine.
11. Check whether the design is even made in the pen stand.
12. The pen stand should not be of such material that it breaks when dropped.
13. Pens can be kept evenly in the box of the pen stand or not.
14. What is the height and length of the pen stand?
15. The surface of the pen stand should not be rough.
16. Applying pressure on the pen stand should not cause it to break.

**Q-44 Write a Scenario of Door**

1. Check whether the nutballs used in the door are heavy or light.
2. The design in the door should not be easy to leave.
3. Verify that the dimension of the doors are as per the specifications.
4. Verify if the door is single door or bi-folded door.
5. Check if the door opens inwards or outwards.
6. Verify if the door is having stopper or not.
7. Verify if the door closes automatically or not – spring mechanism.
8. Verify if the door makes noise when opened or closed.
9. Check the door condition when used extensively with water.
10. Check the door condition in different climatic conditions- temperature, humidity etc.
11. Check the amount of force- pull or push required to open or close the door.
12. Verify that the material used in the door body and its parts is as per the specifications.
13. Verify that color of the door is as specified.
14. Verify if the door is sliding door or rotating door.
15. Check the position, quality and strength of hinges
16. Check the type of locks in the door.
17. Check the number of locks in the door interior side or exterior side.
18. Verify if the door is having peek-hole or not.

**Q-45 Write a Scenario of ATM**

1. Verify the type of ATM machine, if it has a touch screen, both keypad buttons only, or both.
2. Verify that on properly inserting a valid card different banking options appear on the screen.
3. Check that no option to continue and enter credentials is displayed to the user when the card is inserted incorrectly.
4. Verify that the touch of the ATM screen is smooth and operational.
5. Verify that the user is presented with the option to choose a language for further operations.
6. Check that the user is asked to enter a pin number before displaying any card/bank account detail.
7. Verify that there is a limited number of attempts up to which the user is allowed to enter the pin code.
8. 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.
9. Check that the pin is displayed in masked form when entered
10. Verify that the user is presented with different account type options like- saving, current, etc.
11. Verify that the user is allowed to get account details like available balance.
12. Check that the correct amount of money gets withdrawn as entered by the user for cash withdrawal.
13. Verify that the user is only allowed to enter the amount in multiple denominations as per the specifications.
14. Verify that the user is prompted to enter the amount again in case the amount entered is less than the minimum amount configured.
15. Check that the user cannot withdraw more amount than the total available balance and a proper message should be displayed.
16. Verify that the user is provided the option to get the transaction details in printed form.
17. Verify that the user’s session timeout is maintained.
18. Check that the user is not allowed to exceed one transaction limit amount.
19. Verify that the user is not allowed to exceed the one-day transaction limit amount.
20. Verify that the user is allowed to do only one transaction per pin request.
21. Check that in case the ATM machine runs out of money, a proper message is displayed to the user.
22. 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.
23. Verify that the applicable fee gets deducted along with the withdrawn amount in case the user uses a card of a bank other than that of an ATM.
24. Check that the user is not allowed to proceed with the expired ATM card and that a proper error message gets displayed.
25. Verify that in case of sudden electricity loss before withdrawing cash, the transaction is marked as null and the amount is not withdrawn from the user’s account.

**Q-46 When to used Usablity Testing?**

Usability testing before putting any design resources to work. identify specific area where testing and validation can enhance your concept

**Q-47 What is the procedure for GUI Testing?**

• Check all the GUI elements for size, position, width, length and acceptance of

• Characters or numbers. For instance, you must be able to provide inputs to the Input fields.

• Check you can execute the intended functionality of the application using the GUI

• Check Error Messages are displayed correctly

• Check for Clear demarcation of different sections on screen

• Check Font used in application is readable

•Check the alignment of the text is proper

• Check the Color of the font and warning messages is aesthetically pleasing

• Check that the images have good clarity

• Check that the images are properly aligned

• Check the positioning of GUI elements for different screen resolution.

**Q-48 Write a scenario of Microwave Owen**

1. Verify that the dimensions of the oven are as per the specification provided.
2. Verify that the oven’s material is optimal for its use as an oven and as per the specificatio
3. Verify that the oven heats the food at the desired temperature properly.
4. Verify that the oven heats food at the desired temperature within a specified time duration.
5. Verify the ovens functioning with the maximum attainable temperature.
6. Verify the ovens functioning with minimum attainable temperature.
7. Verify that the oven’s plate rotation speed is optimal and not too high to spill the food kept over it.
8. Verify that the oven’s door gets closed properly.
9. Verify that the oven’s door opens smoothly.
10. Verify the battery requirement of the microwave oven and check that it function’s smoothly at that power.
11. Verify that the text written over the oven’s body is clearly readable.
12. Verify that the digital display is clearly visible and functions correctly.
13. Verify that the temperature regulator is smooth to operate.
14. Verify that the temperature regulator works correctly.
15. Check the maximum capacity of the oven and test its functioning with that volume of food.
16. Check the oven’s functionality with different kinds of food – solid, and liquid.
17. Check the oven’s functionality with different food at different temperatures.
18. Verify the oven’s functionality with different kinds of container material.
19. Verify that the power cord of the oven is long enough.
20. Verify that the usage instruction or user manuals have clear instructions.

**Q-49 Write a scenario of Coffee vending Machine**

1. Verify that the dimension of the coffee machine is as per the specification.
2. Verify that outer body, as well as inner part’s material, is as per the specification.
3. Verify that the machine’s body color as well brand is correctly visible and as per specification.
4. Verify the input mechanism for coffee ingredients-milk, water, coffee beans/powder, etc.
5. Verify that the quantity of hot water, milk, coffee powder per serving is correct.
6. Verify the power/voltage requirements of the machine.
7. Verify the effect of suddenly switching 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.
8. Verify that coffee should not leak when not in operation.
9. Verify the amount of coffee served in single-serving is as per specification.
10. Verify that the digital display displays correct information.
11. Check if the machine can be switched on and off using the power buttons.
12. Check for the indicator lights when the machine is switched on-off.
13. Verify that the functioning of all the buttons work properly when pressed.
14. Verify that each button has an image/text with it, indicating the task it performs.
15. Verify that complete quantity of coffee should get poured in a single operation, no residual coffee should be present in the nozzle.
16. Verify the mechanism to clean the system work correctly- foamer.
17. Verify that the coffee served has the same and correct temperature each time it is served by the machine.
18. Verify that system should display an error when it runs out of ingredients.
19. Verify that pressing the coffee button multiple times leads to multiple serving of coffee.
20. Verify that there is the passage for residual/extra coffee in the machine.
21. Verify that machine should work correctly in different climatic, moistures and temperature conditions.
22. Verify that machine should not make too much sound when in operation.

**Q-49 Write a scenario of chair**

1. Check if there is support for hands in the chair.
2. Verify the paint’s type and color.
3. Verify if the chair’s material is brittle or not.
4. Check if cushion is provided with chair or not.
5. Check the condition when washed with water or effect of water on chair.
6. Verify that the dimension of chair is as per the specifications.
7. Verify that the weight of the chair is as per the specifications
8. Check the height of the chair’s seat from floor.
9. Verify that the chair is stable enough to take an average human load
10. Check the material used in making the chair-wood, plastic etc.
11. Check if the chair’s leg are level to the floor.
12. Check the usability of the chair as an office chair, normal household chair.
13. Check if there is back support in the chair.
14. Check if there is support for hands in the chair.

**Q-50 To Create Scenario (Positive & Negative)**

1. **Facebook Chat on Mobile**

**Positive:**

* Check whether the message is sent or not.
* Whether the message we made in facebook chat is highlighted or not.
* Whether or not Facebook shows the profile of the person in front of the chat.
* Whether to show the facebook profile of the other person in facebook chat or not.
* Whether the location is properly sent in facebook chat or not.
* Camera proper opens in facebook chat or not.
* Game can be played in facebook chat or not.
* Facebook set send photo properly or not.
* When sending a photo in facebook chat, the camera option comes in it, whether it opens properly or not.
* When sending a photo in facebook set, it again shows send no option properly opens or not.
* After sending the photo and clicking on it, the emoji comes or not.
* Facebook records in the set or not.
* When clicking on a photo in facebook chat, the option of reply, save and mor opens properly or not.
* Whether the emoji is sent or not.
* Whether the emoji is sent or not.
* Does Facebook show the time when we sent a message in the chat or not?
* Audio call video call or not in facebook chat.
* Share option opens properly in facebook chat or not.
* Return option opens properly in facebook chat or not.
* Whether or not the photo that is sent is deleted.
* Whether the message is copi , pen, deleted or replied to.

**Negative:**

* Check the button size.
* Check the scroll bar displays wherever necessary.
* Message functionality working on all supported platform or browser.
* Chet message functionality working on all supported device.
* Chetan message functionality working on all device skin.
* Check the button color.
* Check all labels are displayed correctly.
* Verify they profile picture displays clearly.

1. **Gmail (receiving mail)**

**Positive:**

* Verify that a newly received email is displayed as highlighted in the Inbox section.
* Verify that a newly received email has correctly displayed sender email Id or name, mail subject and mail body(trimmed to a single line).
* Verify that on clicking the newly received email, the user is navigated to email content.
* Verify that the email contents are correctly displayed with the desired source formatting.
* Verify that any attachments are attached to the email and are downloadable.
* Verify that the attachments are scanned for viruses before download.
* Verify that all the emails marked as read are not highlighted.
* 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 section.
* Verify that count of unread emails is displayed alongside ‘Inbox’ text in the left sidebar of Gmail.
* Verify that unread email count increases by one on receiving a new email.
* Verify that unread email count decreases by one on reading an email ( marking an email as read).
* Verify that email recipients in cc are visible to all users.
* Verify that email recipients in bcc are not visible to the user.
* Verify that all received emails get piled up in the ‘Inbox’ section and get deleted in cyclic fashion based on the size availability.
* Verify that email can be received from non-Gmail email Ids like – yahoo, Hotmail etc

**Negative:**

* verify the reply and forward button are displaying in the button of the email contact.
* Verify the world ready mails are not highlights.
* Verify the unread emails count is increased for the number of new email we received.
* verify the unread email count is increased when we mark in email as unread
* Verify the unread email count is decrease when we mark an email as red or opened

1. **Online shopping to buy product (flipkart)**

**Positive:**

* Whether the product is properly placed or not.
* Whether the product is selected or not.
* After the product is selected, buy now is clicked or not.
* After the product is selected, the size is selected or not.
* After selecting the product select the side to continue or not.
* Shows how many person offs are in the product or not.
* Check whether the product name is showing or not.
* Shows return policy on the product or not.
* Whether or not the order summary opens in the product.
* After the product is selected, the address can be entered and changed or not in Buy Now.
* Shows how much content has been viewed in the product or not.
* Shows how many offers are applied to the product or not.
* Shows the date when the product will arrive after ordering or not.
* Shows whether the product is free delivery or chargeable delivery.
* Email can be added to identity or not.
* Shows the price detail of the product or not.
* Shows the total amount of the product or not.
* Whether payment no option works properly in the product or not.
* UPI, HALL, POST PAID, CREDIT CARD, DEBIT CARD, ATM CARD, NETBANKING, CASE ON DELIVERY OPTION ON THE PRODUCT WORK PROPERLY OR NOT.
* A gift card is added to the product or not.

**Negative:**

* User should be able to update items in the cart
* Checkout should happene successfully for the items added to the card
* Shipping costs for different product added to the card
* Coupon should be applied successfully to the card
* Card should return the items even when the app in closed
* Email and order ID should be sent after placement of order.

**Q-51 Write a Scenario of Wrist Watch**

1. Verify the dimension of the watch is as per the specification.
2. Verify the weight of the watch.
3. Check if the watch is waterproof or not.
4. Verify that the numbers in the dial are clearly visible or not.
5. Check if the watch is having a date and day display or not.
6. Verify the color of the text displayed in the watch – time, day, date, and other information.
7. Verify that clock’s time can be corrected using the key in case of an analog clock and buttons in case of a digital clock.
8. Check if the second hand of the watch makes ticking sound or not.
9. Verify if the brand of the watch and check if its visible in the dial.
10. Check if the clock is having stopwatch, timers, and alarm functionality or not.
11. In the case of a digital watch, verify the format of the watch 12 hours or 24 hours.
12. Verify if the watch comes with any guarantee or warranty.
13. Verify if the dial has glass covering or plastic, check if the material is breakable or not.
14. Verify if the dial’s glass/plastic is resistant to minor scratches or not.
15. Check the battery requirement of the watch.
16. Verify the type of watch – analog or digital.
17. In the case of an analog watch, check the correctness time displayed by the second, minute, and hour hand of the watch.
18. In the case of a digital watch, check the digital display for hours, minutes, and seconds is correctly displayed.
19. Verify the material of the watch and its strap.
20. Check if the shape of the dial is as per specification.

**Q-52 Write a Scenario of Lift(Elevator)**

1. Whether the lift button works or not
2. The buttons on the inside of the lift work the same or not.
3. Small or big elevator buttons.
4. Color of elevator button.
5. Whether the lift door moves smoothly or not.
6. The material used in the lift is correct or not.
7. Check the weight and capacity of the lift.
8. Whether the buttons for opening and closing the lift work the same or not.
9. Lifts should have their buttons according to the number of floors.
10. Whether the lift goes to the floor we want to go to or not.
11. If the floor entered in the elevator goes to the floor, the button is correct.
12. Whether the lift has an emergency button in case of an accident or not.
13. Check how long it takes to get to the floor in the elevator.
14. The elevator does not free fall when the power goes out and stops at a certain plot or not.
15. Checking whether the door settles or opens when the lift door is opened and an object is placed between the door.
16. Is there lighting in the lift or not?
17. The door should not open when the elevator is in operation.

**Q-53 Write a Scenario of whatsapp Group (generate group)**

1. How many people can be added in whatsapp group and how many can not.
2. Whatsapp group name can be changed or not.
3. Audio call, video call or not in whatsapp group.
4. If a member sends a message in a whatsapp group, it shows his name and DP or not.
5. If the member who messages in the whatsapp group and his number is not saved in our phone, does it show his number or not.
6. Whether or not it shows the date on which the message was received in the whatsapp group.
7. Touching on a message in a whatsapp group will show an emoji on it or not.
8. Can send emoji from emoji in whatsapp group or not.
9. Messages can be deleted in whatsapp group or not.
10. When touching a message in a whatsapp group, it is highlighted or not.
11. Whether the message is sent properly in the whatsapp group or not.
12. In whatsapp paper icon ma document, camera, gallery, audio, location, payment, contact, pull option opens properly or not.
13. Payment no option in whatsapp group works properly or not.
14. Camera proper opens in whatsapp group or not.
15. Recording in whatsapp group or not
16. More option in whatsapp group working properly or not.
17. Whether the photo is sent properly in the whatsapp group or not.
18. Can the settings be changed in whatsapp or not?.

**Q-54 Write a Scenario of instagram ( video call with chat )**

1. Can send messages in instagram chat or not.
2. Whether to show profile photo of front person in instagram or not.
3. The user of the opposite person in instagram and shows whether or not.
4. Audio call video call can be made in instagram chat or not.
5. Reels can be sent in instagram or not.
6. Touching on the sent message and reals in instagram will show emoji and option to reply or not..
7. Instagram shows the time and frequency when a message has been received or not.
8. Save post with friend in instagram or not.
9. Photo can be sent in instagram or not.
10. Camera opens in instagram or not.
11. Emoji can be sent in instagram or not.
12. Can be recorded and sent to Instagram or not.
13. In instagram photo video can be sent from gallery or not.
14. Messages, videos, photos sent in Instagram can be deleted or not.
15. The opposite person's message can be copied, forwarded, reported, replied or not.

**Q-55 Write a scenario of WhatsApp payment.**

1. The option of payment in whatsapp opens the same or not**.**
2. Bank account can be added in whatsapp or not.
3. The name of the bank can be added or not if there is a bank in the payment option of whatsapp.
4. UPI option working in whatsapp payment option or not.
5. Bank can be selected in payment option of whatsapp or not.
6. WhatsApp payment option has option to search bank or not.
7. Bank verification can be done in the payment option of whatsapp or not.
8. SIM card is selected for whatsapp payment or not.
9. Whether our account is created to make whatsapp payment or not.
10. When we enter our bank in the whatsapp payment option, does our name appear or not?.
11. Check whether the payment is done properly in whatsapp payment.
12. In whatsapp payment after entering the number of UPI id a payment is done or not.
13. WhatsApp shows the name of the person we have paid in the payment or not.