Module -2

1. What is Exploratory Testing?
   - Exploratory testing is a concurrent process where test design, execution & logging happen simultaneously, testing often not recorded, make use of experience heuristics & test pattern.

2. What is traceability matrix?
   - To protect against changes you should be able to track back from every system component to the original requirement caused it's presence.

3. What is boundary value testing?
   - It is a methodology for designing test cases that concentrates software testing effort on cases near the limits of valid ranges is known as boundary value testing.

4. What is Equivalence partitioning testing?
   - Aim is to treat groups of inputs as equivalent and to select one representative input to test them all is known as is Equivalence partitioning testing.

5. What is integration testing?
   - Integration Testing is a level of the software testing process where individual units are combined and tested as a group.

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 the first phase of formal testing; it is 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 always performed in virtual environment.

8. What is beta testing?
   - In Beta testing, the software is tested by a large group of users, typically outside of the organization that developed it.

     - It is always performed by the customers at their own site.
     - Beta testing is always open to the market and public.
     - It is usually conducted for software product.

9. What is component testing?
   - The testing of individual software component. It's also called unit testing. A minimal software item that can be tested in isolation. It means "A unit is the smallest testable part of software".

10. What is functional system testing?
    - Testing based on an analysis of the specification of the functionality of a component or system.

11. What is non-functional system testing?
    - Testing the attributes of a component or system that do not relate to functionality, e.g. reliability, efficiency, usability, interoperability, maintainability and portability.

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.

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. Testers randomly test the application without any test cases or any business requirement documents.

14. What is load testing?
    - Load testing is to test the system behavior under normal work load conditions, and it is just testing or simulating with the actual work load.

15. What is stress testing?
    - Stress testing is to test the system behavior under extreme conditions, and it is carried out till the system failure.

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 posses' knowledge of the internal working of the code.

      There are 3 types of coverage:

        - Statement Coverage
        - Decision Coverage
        - Condition Coverage

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

- Specification based testing techniques is also known as ‘Black box’ or input-output driven testing techniques because they view the software as black box with inputs and outputs. The tester has no knowledge of how the system or component is structured inside the box. In black box testing the tester is concentrating on what the software does, not how it does it.

There are 4 black box techniques:

- Equivalence Partitioning
- Boundary Value Analysis
- Decision Table
- State Transition Testing

18. Mention what are the categories of defects?

- Categories of Defects :-
  - Functional Defects
  - Performance Defects
  - Usability Defects
  - Compatibility Defects
  - Security Defects
  - Reliability Defects
  - Interface Defects
  - Data Defects
  - Configuration Defects
  - Documentation Defects

19. Mention what Big Bang testing is?

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

20. What is the purpose of exit criteria?
    - Exit criteria defines the items that must be completed before testing can be concluded.

21. When should be “Regression Testing” performed?
    - Regression Testing should be performed:
        - When change in requirement and code is modified according to the requirement.
        - When new feature is added to the software.
        - When defect is fixing.
        - When performance issue fix.

22. What is 7 key principles? Explain in detail?
    - 7 key principles are:-
        - Testing shows presence of Defects :-
            - Testing can show that defects are present, but cannot prove that there are no defects.
            - 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.

        - Exhaustive Testing is Impossible! :-
            - Testing everything including all combinations of inputs and preconditions is not possible.
            - So, instead of doing the exhaustive testing we can use risks and priorities to focus testing efforts.
            - For example: In an application in one screen there are 15 input fields, each having 5 possible values, then to test all the valid combinations you would need 30 517 578 125 (515) tests.

- Early Testing :-
  - Testing activities should start as early as possible in the software or system development life cycle, and should be focused on defined objectives.
  - Testing activities should start as early as possible in the development life cycle.
  - These activities should be focused on defined objectives – outlined in the Test Strategy.

- Defect Clustering :-
  - A small number of modules contain most of the defects discovered during pre-release testing, or are responsible for the most operational failures.
  - Defects are not evenly spread in a system, They are 'clustered'
  - In other words, most defects found during testing are usually confined to a small number of modules

- The Pesticide Paradox :-
  - If the same tests are repeated over and over again, eventually the same set of test cases will no longer find any new defects.
  - To overcome this "pesticide paradox", the test cases need to be regularly reviewed and revised, and new and different tests need to be written to exercise different parts of the software or system to potentially find more defects.

- Testing is Context Dependent :-
  - Testing is basically context dependent & It's done differently in different contexts.

- Different kinds of sites are tested differently. For example :- Safety – critical software is tested differently from an e-commerce site.

- Absence of Errors Fallacy :-
  - If the system built is unusable and does not fulfill the user's needs and expectations then finding and fixing defects does not help.
  - If we build a system and, in doing so, find and fix defects & It doesn't make it a good system.
  - Even after defects have been resolved it may still be unusable and/or does not fulfil the users' needs and expectations.

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

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Quality Assurance	Quality Control	Testing
Activities which ensure the implementation of processes, procedures and standards in context to verification of developed software and intended requirements	Activities which ensure the verification of developed software with respect to documented (or not in some cases) requirements.	Activities which ensure the identification of bugs/error/defects in the Software.
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.
Process oriented activities	Product oriented activities	Product oriented activities.
Preventive activities.	It is a corrective process	It is a preventive process
It is a subset of Software Test Life Cycle (STLC).	QC can be considered as the subset of Quality Assurance	Testing is the subset of Quality Control.

24. Difference between Smoke and Sanity?

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Smoke Testing	Sanity Testing
Smoke Testing is performed to ascertain that the critical functionalities of the program is working fine	Sanity Testing is done to check the new functionality / bugs have been fixed
The objective of this testing is to verify the "stability" of the system in order to proceed with more rigorous testing	The objective of the testing is to verify the "rationality" of the system in order to proceed with more rigorous testing
This testing is performed by the developers or testers	Sanity testing is usually performed by testers
Smoke testing is usually documented or scripted	Sanity testing is usually not documented and is unscripted
Smoke testing is a subset of Regression testing	Sanity testing is a subset of Acceptance testing
Smoke testing exercises the entire system from end to end	Sanity testing exercises only the particular component of the entire system
Smoke testing is like General Health Check Up	Sanity Testing is like specialized health check up

25. Difference between verification and Validation?

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Verification	Validation
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.
To ensure that the product is being built according to the requirements and design specifications. In other words, to ensure that work products meet their specified requirements.	To ensure that the product actually meets the user's needs, and that the specifications were correct in the first place. In other words, to demonstrate that the product fulfils its intended use when placed in its intended environment.
Are we building the product right?	Are we building the right product?
Plans, Requirement Specs, Design Specs, Code, Test Cases	The actual product/software.
Reviews, Walkthroughs, Inspections	Testing

26. Explain types of Performance testing?

- Types of Performance testing :-
  - Load testing
  - Stress testing
  - Endurance testing
  - Spike testing
  - Volume testing
  - Scalability testing

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

- Error :-

  A mistake in coding is called error.

  Defect :-

  Error found by tester is called defect.

  Bug :-

  Defect accepted by development team then it is called bug.

  Failure :-

  Build does not meet the requirements then it is failure

28. Explain the difference between Functional testing and Non-Functional testing ?

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Functional testing	Non-Functional testing
It verifies the operations and actions of an application.	It verifies the behavior of an application.
It is based on requirements of customer.	It is based on expectations of customer.
It helps to enhance the behavior of the application.	It helps to improve the performance of the application.
Functional testing is easy to execute manually.	It is hard to execute non-functional testing manually.

It tests what the product does.	It describes how the product does.
Functional testing is based on the business requirement.	Non-functional testing is based on the performance requirement.
Examples: ○ Unit Testing ○ Smoke Testing ○ Integration Testing ○ Regression Testing	Examples: ○ Performance Testing ○ Load Testing ○ Stress Testing ○ Scalability Testing

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

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STLC (Software Testing Life Cycle)	SDLC (Software Development Life Cycle)
STLC is mainly related to software testing.	SDLC is mainly related to software development.
It focuses only on testing the software.	Besides development other phases like testing is also included.
In STLC, less number of members (testers) are needed.	In SDLC, more number of members (developers) are required for the whole process.
In STLC, testing team(Test Lead or Test Architect) makes the plans and designs.	In SDLC, development team makes the plans and designs based on the requirements.
Goal of STLC is to complete successful testing of software.	Goal of SDLC is to complete successful development of software.
It helps in making the software defects free.	It helps in developing good quality software.
STLC phases are performed after SDLC phases.	SDLC phases are completed before the STLC phases.
STLC involves only five phases or steps.	SDLC involves total six phases or steps.
Regression tests are run by QA team to check deployed maintenance code and maintains test cases and automated scripts.	Post deployment support , enhancement , and update are to be included if necessary.
A tested software system is the end result of STLC.	Creation of reusable software systems is the end result of SDLC.

30. What is the difference between test scenarios, test cases, and test script ?

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Test Scenarios	Test Cases	Test Script
A test scenario is any functionality that a software testing company can examine. It is also called a Test Condition or Test Possibility.	A test case is a document that lists the steps a QA engineer needs to execute.	A test script is a short program written in a programming language.
Any functionality that can be tested.	A set of actions executed to verify particular features or functionality.	A set of instructions to test an app automatically.
Its's derived from Software requirement specification (SRS).	It's derived from test scenarios.	It's derived from test cases.
It helps to test the end-to-end functionality in an Agile way.	It helps in exhaustive testing of an app.	It helps to test specific things repeatedly.
It is focused on what to test.	It is focused on what to test & How to test.	It is focused on the expected results.
It's takes less time & fewer resources to create.	It requires more resources & time.	It requires less time for testing but more resources for scripts reating & updating
It allows quickly assessing the testing scope.	It allows detecting errors & defects.	It allows carrying out an automatic execution of test cases

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

- A test plan is a detailed document that provides guidance around specific test activities, scope, deliverables, and resource projections for the project.

  A test plan should include objectives, scope, approach, resources, schedule, test deliverables, dependencies, test environment, risk management, roles and responsibilities, and a communication plan.

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

- There are various methodologies present in agile development model :-
    - Scrum
    - Extreme Programming
    - Adaptive Software Development (ASD)
    - Dynamic System Development Method (DSDM)
    - Test Driven Development (TDD)
    - Feature Driven Development
    - Kanban
    - Behavior Driven Development (BDD)

33. Write a scenario of only Whatsapp chat messages ?

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Sr No.	Positive Scenario	Negative Scenario
1	Check if contacts are imported to the whatsapp contact list or not	Verify if an empty message send to other user, whether the application prevents it and shows an appropriate error message
2	Check if the user can upload a profile picture or not	Verify if a message send to other user that exceeds the maximum allowed character limit and ensure the application either trims the message or shows an error
3	Check if whatsapp is easy to use or not	Verify if send message containing potentiolly harmful scripts or code (e.g. JavaScript) to check if the application properly sanitize and blocks such content
4	Verify whether the Search, Chat, Status, Calls and Contact sections are available on screen or not	Verify if user send unsupported media types (e.g. certain file formats) to ensure the application prevents sending and displays an error message
5	Verify if the user can clearly see all sections individually or not	Simulate a poor or lost internet connection while sending a message to verify the application handles the situation gracefully and provides appropriate feedback

6	Verify the chat window that contains the entire chat list	Verify if a user try to send a message to a contact who has blocked you to ensure the message is not sent and an appropriate notification is shown
7	Check the chat window , which displays the contact numbers unsaved on mobile	Change the device's date and time settings to the past or future and verify if messages are sent and received correctly, ensuring proper timestamp handling.
8	Check the chat window displayed with all contacts with DP or without DP	Verify if the user Log into the same account from multiple devices and test sending messages from both to ensure consistency and correct synchronization across devices
9	Check the Chat window is displayed on the group chat list	Verify if a user attempt to send a message to a group that exceeds the maximum allowed members or message limit to ensure the application handles this scenario correctly
10	Check the chat window, which displays the last updated chatting time	Attempt to send a message to a group that exceeds the maximum allowed members or message limit to ensure the application handles this scenario correctly
11	Check to click on one chat contact, and then a new window should open with history	Verify if a user send messages containing a variety of special characters, emojis, and Unicode characters to ensure they are handled and displayed correctly
12	Check the user can see all delivered and received all messages	Verify if a user attempt to delete a message from the chat while it is still in the process of being sent to ensure proper handling and feedback
13	Check the user can see the read and send time of messages	Check if simultaneously send multiple messages from different devices or instances to test for potential race conditions or message order issues
14	Check the user can send and receive text messages in the individual chatbox	Fill up the device storage to capacity and try to send a message to verify if the application handles low storage situations gracefully
15	Check the user can send and receive documents in the individual chatbox	Verify if a user attempt to send messages to accounts that have been deactivated or deleted to ensure proper error handling and notifications

16	Check the user can send and receive photo in an individual chatbox	Verify if user send messages while the recipient is offline and the messages are properly queued and delivered once the recipient comes online
17	Check the user can send and receive video in an individual chatbox	Check whether notifications are correctly suppressed for messages from blocked contacts or groups.
18	Check the user can send and receive audio in an individual chatbox	Verify if a user attempt to send the same message multiple times quickly and the application handles duplicates correctly
19	Verify if the user can send and receive emotional icons in an individual chatbox	Check the application's behavior when trying to forward a message to multiple recipients or groups, especially if there are limits on forwarding
20	Verify if the user can send and receive contacts in the individual chatbox	Simulate a device crash or app force close while a message is being sent to verify if the message is sent upon restart or if proper error handling occurs
21	Verify if the user can send and receive Location in the individual chatbox	
22	Verify if the user can send and receive GIFs in the individual chatbox	
23	Verify if the user can send and receive Stickers in the individual chatbox	
24	Verify the user can delete text, audio, video, documents and locations in the individual chat box	
25	Verify if the user can delete entire chat history in the individual chatbox	
26	Check the user can video call in the individual chat box	
27	Check the user can audio call in the individual chat box	

28	Check the user can mute the individuals in the individual chat box	
29	Check the user can change the wallpaper	
30	Check the user have options like Clear chat, Block, Report, Export Chat and Add shortcut	

34. Write a Scenario of Pen ?

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Sr No.	Positive Scenario	Negative Scenario
1	Verify the type of pen whether it is ballpoint pen, gel pen, or ink pen etc.	Verify the functioning of a pen at extreme temperatures- much higher and lower than room temperature
2	Verify that the user is able to write clearly over different types of paper	Verify the functioning of a pen at extreme altitude
3	Verify that the length and diameter of the pen as per specifications	Verify the functioning of a pen at zero gravity
4	Verify the outer body of the pen whether it is plastic, metallic, or any other material	Verify the functioning of a pen by applying extreme pressure
5	Check the color of the outer body of the pen. It should be as per the specifications	Verify the effect of oil and other liquids on the text written with a pen
6	Verify that the brand name or logo of the company creating the pen should be clearly visible	Verify if the user is able to write with a pen when used against gravity i.e. upside down
7	Verify that any information displayed on the pen should be legible and clearly visible	Verify the functioning of a when a user tries to write on unsupported surfaces like glass, plastic, wood etc.
8	Verify the weight of the pen. The weight of the pen should not be too heavy to impact its smooth operation	Verify if the pen works normally or not when used after immersing in water or any other liquid for some period of time
9	Verify the color of the ink on the pen whether it is black, blue or as per the specifications	Verify the material used for pen whether it is biodegradable or not

10	Verify the gel pen whether it is writing on paper is dark or not	Verify the materials used are toxic free and safe for use in enviornment such as school, office etc
11	check the odor of the ink on writing over the surface	Verify if we give more pressure on pen while writting it may put holes on paper
12	Verify that the text written by the pen should have consistent ink flow without leaving any blob	Verify the material weakness test of the pen whether it cracks and breaks when drop onto hard floor and from various heights
13	Verify the surfaces over which the pen is able to write smoothly apart from papers for example cardboard, rubber surface etc.	Verify the material weakness test of the tip of the pen whether it breaks when drop onto hard floor and from various heights
14	Verify that the pen's ink should not leak whether it is tilted upside down	Apply excessive force while writing to check if the nib or tip bends or breaks
15	Check if the written text by the pen is waterproof or not	Insert a refill not designed for the pen to see if it fits or cause any issues with ink flow
16	Check if the written text by the pen is erasable or not	Verify the functionality of a pen when the pen gets wet
17	Verify if the pen can support multiple refills or not	Verify the text written by a pen is intact when the text gets wet.
18	Check the grip of the pen whether it provides adequate friction for the user to comfortably grip the pen	Verify the text written by a pen is intact when we try to erase it with our hand or eraser.
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	Verify whether ink is available or not
20	In the case of ink pen, verify that the user is able to refill the pen with all the supported ink type	Check if ink is available, than the pen does not write on the paper
21	For ink pen, verify that the mechanism to refill the pen is easy to operate	Verify by bend the refill at multiple ends and then try to write with it
22	In the case of a ballpoint pen, verify the size of the tip	Check whether it write on leaves or not
23	In the case of ball or gel pen, verify that the user can change the refill of the pen easily	Verify if the pen ink runs out then we cannot write
24	Verify the pen whether it is with a cap or without a cap	Verify the ink smell is not so pleasant so that it makes you not good while writing anything

25	Verify the cap of the pen whether it is perfectly fixed to the pen or not	
26	Verify the cap of the pen whether it is broken or not	
27	Verify the click pen mechanism whether it working properly or not	
28	Verify the click pen spring which is placed inside the pen is not broken	
29	Verify the caligraphy pen tip whether it is slanting or not	
30	Verify the marker pen's ink whether it is dry or not	
31	Verify the smart pen whether it is chargeable or not	
32	Verify the smart pen's USB whether it is connecting to the device or not	
33	Verify the smart pen's functionalities whether it is working as per specifications or not	
34	Verify the surgical pen whether it is able to written on skin or not	

35. Write a Scenario of Pen Stand ?

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Sr No.	Positive Scenarios	Negative Scenarios
1	Verify the type of pen stands whether it has one compartment or more	Verify the pen stand can hold pens more than its capacity
2	Verify the dimension of pen stands whether it is small, medium or big	Verify the pen stand can hold oversized pens or not
3	Verify the colour of pen stands whether it is black, white ,green etc.	Verify if pens fall out of the pen stand easily when the stand is moved or bumped
4	Verify the material of the pen stand whether it is steel, plastic or wood	Verify the material weakness test of pen stand whether it cracks or breaks when drop onto hard floor and from various heights
5	Verify the quality of pen stand whether it is strong or not	Ensure there are no sharp edges or points that could cause injury

6	Verify that the pen stand visually appealing design that matches the description and images provided	Verify the exposure test of pen stand whether it discolor after leaving it in direct sunlight
7	Verify the capacity of the pen stand whether it can hold multiple pens and pencils without tripping over	Verify the weight test by placing a variety of heavy objects in the pen stand whether it can handle the weight without breaking or deforming
8	verify the compartment of the pen stand whether it has separate compartment for sharpner, eraser or highlighter	Check that the materials used are non toxic and safe for use in environments such as school and offices
9	Verify the pan stand whether it has mobile holder or not	Verify that the pen stand does not tip over easily when loaded unevenly
10	Verify the shape of the pen stand whether it is cylindrical, cuboid,or cube.	Verify that the pen stand cannot hold maximum numbers of pens specified in the product description
11	Verify the pen stand whether it has space for sticky notes	Verify if removable parts of the pen stand are difficult to reassemble after cleaning
12	Check the pen stand whether it has clock or not	Verify if the pen stand arrives with scratches, dents, or other damage due to poor packaging
13	Verify the pen stand whether it can be customize with your name on stand or not	Verify if the joints or connections of the pen stand become loose or break with regular handling
14	Verify the pen stand whether it comes in a box or not	Verify if the material of the pen stannd deteriorates quickly, losing its original appearance and functionality
15	Verify the material used in the pen stand whether it is recyclable or biodegradable	Verify that the pen stand becomes sticky or emits a strong odor over time in a typical indoor environment
16	Verify that the pen stand can easily clean with the damp cloth	Verify if decorative elements fall off or degrade with normal use
17	Verify that the color and finish of pen stand are consistent and free from defects	Verify if additional compartments for other stationary items are too small or poorly designed
18	Verify that the pen stand remains stable and does not wobble when placed on a flat surface	Verify if the base of the pen stand does not provide sufficient support
19	Verify that the pen stand does not tip over when holding the maximum number of pens	Verify if pens with clips cannot be securely placed in the pen stand

20	Verify that the pen stand is packaged securely to prevent damage during shipping	
21	Verify that the pen stand arrives without any scratches, dents, or other damages	
22	Verify that the pen stand comes with clear and concise assembly instructions, if required	
23	Verify that the pen stand does not emit any unpleasant odors or degrade when exposed to sunlight or indoor lighting	

36. Write a Scenario of Door ?

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Sr No.	Positive Scenario	Negative Scenario
1	Verify that the type of door whether it is single or bi-folded.	Verify if the door stucks, so that we cannot move it properly
2	Verify that the material of the door whether it is wood, glass or any other material	Verify if the lock is not working so that we cannot close or open it
3	Check if the door opens inwards or outwards	Verify the cost of the door whether it is suitable to all or not
4	Verify that the quality of door whether it is strong or not	Verify the functioning of the door at extreme pressure
5	Verify that the dimensions of the door whether they are as per specifications or not	Check if the door handle by exerting pressure to see if it comes loose or breaks off
6	Check that the color of the door which is as per specifications or not	Check if the door can be opened with any key, indicating a security flaw in the locking mechanism
7	Verify that the design on the door whether it is floral, plain etc.	Check the door with faulty or squeaky hinges to see if it makes noise or doesn't open smoothly.

8	Verify if the door is built with glass, is it a transparent or non transparent door	Attempt to close the door and verify if it leaves a gap, indicating issues with alignment or door size.
9	Verify that the handle of the door whether it is fixed to the door properly or not	Verify for doors with electronic locks, simulate a power failure or electronic malfunction to see if the door remains locked or can be bypassed.
10	Verify that the mechanism of the auto closer door whether it is working properly or not	Verify if force apply to the door frame to see whether it bends or breaks easily, indicating structural weakness.
11	Verify that the door stopper which stops the door properly or not	check if the door can be forced open using tools like crowbars or screwdrivers to check its resistance to break-ins
12	Verify the hinge of the door whether it is working properly or not	Check if the door's weather stripping fails, leading to drafts, leaks, or temperature control issues
13	Verify that the smart door lock whether its touch pad is working or not	Verify the door's functionality when installed improperly, leading to issues like difficult opening/closing or misalignment
14	Verify that the smart door lock which takes the corresponding fingure print or not	Check the door in different environmental conditions to see if it warps and becomes difficult to open or close
15	Verify that the smart door lock whether it is connected to the device or not	check the door's fire resistance by simulating a fire and checking if it fails to contain the fire or smoke.
16	Verify that the door provides adequate sound insulation when closed	Check if the door fails to provide adequate noise insulation, allowing sound to pass through easily
17	Verify that the slide door whether it is stucking or not	Check if the door fails to maintain a proper seal, leading to air or water leakage

18	Verify that any additional security features (peephole, chain lock, electronic keypad) function correctly	Verify if the door handle is positioned at an inaccessible height or requires excessive force to operate, impacting usability for all users, including those with disabilities
19	Verify that the doorbell (if applicable) works correctly when pressed	Use a correctly cut key that fails to open the lock, indicating potential issues with the lock or key alignment
20	Verify that any additional security features (peephole, chain lock, electronic keypad) function correctly	Attempt to lock the door with a faulty lock mechanism and verify if the door remains insecure
21	Verify that the door unlocks easily and opens after being unlocked	
22	Verify that the weather stripping is intact and effectively seals the door to prevent drafts.	

37. Write a Scenario of ATM ?

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Sr No.	Positive Scenario	Negative Scenario
1	Verify that the size, color, and UI of the different objects are as per the specifications.	Verify that when Entering an incorrect PIN multiple times to ensure the ATM blocks the card after a certain number of failed attempts.
2	Verify that all the labels and controls including text boxes, buttons, images, and links are present on the screen.	Using an expired card to verify that the ATM correctly identifies and rejects it.
3	Check the informative text written displayed on the screen is clearly visible and legible.	Inserting a physically damaged card to check how the ATM responds.
4	Verify that the application's UI is responsive i.e. it should adjust to different screen resolutions of ATM machines.	Using unsupported card types (e.g., foreign cards, cards from unsupported banks) to see if the ATM rejects them.

5	Verify the type of ATM machine, if it has a touch screen, both keypad buttons only, or both.	Verify that the network failure during a transaction to see how the ATM handles incomplete transactions and recovery.
6	Verify that on properly inserting a valid card different banking options appear on the screen.	Verify that when withdraw more money than available in the account to ensure the ATM denies the transaction with an appropriate message.
7	Check that no option to continue and enter credentials is displayed to the user when the card is inserted incorrectly.	Attempting to withdraw an amount that exceeds the daily withdrawal limit to verify that the ATM enforces these limits.
8	Verify that the touch of the ATM screen is smooth and operational.	Entering an invalid denomination for withdrawal to verify that the ATM prompts the user to enter a valid amount.
9	Verify that the user is presented with the option to choose a language for further operations.	Verify that the Performing concurrent transactions (e.g., one on the ATM and another online) to test for race conditions and ensure transaction consistency.
10	Check that the user is asked to enter a pin number before displaying any card/bank account detail.	Verify that the Testing with a card that cannot be read by the card reader to see how the ATM handles the situation.
11	Verify that there is a limited number of attempts up to which the user is allowed to enter the pin code.	Verify that the Leaving the card in the machine for an extended period to check if the ATM retains the card after a timeout.
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 that the power failure during a transaction to see how the ATM handles recovery and maintains data integrity.
13	Check that the pin is displayed in masked form when entered.	Verify that the hardware failures like cash dispenser jams or printer malfunctions to ensure the ATM handles these errors gracefully.
14	Verify that the user is presented with different account type options like-saving, current, etc.	Verify that the touchscreen malfunction to test if the ATM provides alternative input methods or error notifications.
15	Verify that the user is allowed to get account details like available balance.	Verify that a transaction when the receipt printer is out of paper to see if the ATM notifies the user properly.

16	Check that the correct amount of money gets withdrawn as entered by the user for cash withdrawal.	Inserting the card in the wrong orientation to verify if the ATM identifies and prompts for correct insertion.
17	Verify that the user is prompted to enter the amount again in case the amount entered is less than the minimum amount configured.	Verify that when Using a tampered or cloned card to test the ATM's security measures against card fraud.
18	Verify that the user is only allowed to enter the amount in multiple denominations as per the specifications.	Verify that when we deposit fake currency to see if the ATM can detect and reject it.
19	Check that the user cannot withdraw more amount than the total available balance and a proper message should be displayed.	Verify if the Entering an invalid or non-existent account number during a fund transfer to see how the ATM handles the error.
20	Verify that the user is provided the option to get the transaction details in printed form.	Entering a PIN that does not meet the required format (e.g., too short, too long, or containing non-numeric characters) to verify that the ATM prompts for a correct PIN.
21	Verify that the user's session timeout is maintained.	Verify that the Selecting a different language and ensuring that error messages and prompts are correctly translated.
22	Check that the user is not allowed to exceed one transaction limit amount.	Check if a cash jam in the dispenser to check how the ATM notifies the user and handles the issue.
23	Verify that the user is not allowed to exceed the one-day transaction limit amount.	Verify that the Initiating a software update during a transaction to ensure the ATM handles such interruptions securely.
24	Verify that the user is allowed to do only one transaction per pin request.	Check if Entering a withdrawal amount that is not a multiple of available denominations to verify that the ATM prompts for a correct amount.
25	Check that in case the ATM machine runs out of money, a proper message is displayed to the user.	Check if Cancelling a transaction in the middle to see how the ATM handles the cancellation and refunds any dispensed cash if applicable.
26	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.	
27	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.	
28	Check that the user is not allowed to proceed with the expired ATM card and that a proper error message gets displayed.	
29	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.	

38. When to used Usablity Testing?
    - Although you can usability test at anytime (in development, pre release, or post release) and still obtain valuable information, due to time and resource constraints, organizations often decide on specific times to perform usability testing.

39. What is the procedure for GUI Testing?
    - It is the process for ensuring proper functionality of the graphical user interface (GUI) for a specific application.GUI testing generally evaluates a design of elements such as layout, colors and also fonts, font sizes, labels, text boxes, text formatting, captions, buttons, lists, icons, links, and content. GUI testing processes may be either manual or automatic and are often performed by third-party companies, rather than developers or end users.

40. Write a scenario of Microwave Owen ?

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Sr No.	Positive Scenario	Negative Scenario
1	Verify that the dimensions of the oven are as per the specification provided.	Verify if start the microwave without setting the cooking time to ensure it does not operate.
2	Verify that the oven's material is optimal for its use as an oven and as per the specification.	Trying to start the microwave with the door not properly closed to verify it does not turn on and displays an appropriate error message.
3	Verify that the oven heats the food at the desired temperature properly.	Verify that the when power surge or voltage fluctuation to see if the microwave handles it without malfunctioning or causing a hazard.
4	Verify that the oven heats food at the desired temperature within a specified time duration.	Verify the Setting an invalid power level (e.g., a level that does not exist on the microwave) to ensure it prompts the user to correct it.
5	Verify the ovens functioning with the maximum attainable temperature.	Verify that the Running microwave for an extended period to test if it properly detects overheating and shuts down to prevent damage or fire.
6	Verify the ovens functioning with minimum attainable temperature.	Verify that when run the microwave while it is empty to ensure it prompts a warning or shuts down to prevent potential damage.
7	Verify that the oven's plate rotation speed is optimal and not too high to spill the food kept over it.	Verify that a malfunctioning door sensor to check if the microwave correctly identifies the issue and prevents operation.
8	Verify that the oven's door gets closed properly.	Verify that Blocking the ventilation openings to see if the microwave detects reduced airflow and shuts down to prevent overheating.
9	Verify that the oven's door opens smoothly.	Placing metal objects inside the microwave to verify that it detects the potential hazard and stops operation with a warning.
10	Verify the battery requirement of the microwave oven and check that it function's smoothly at that power.	Verify that when Entering an invalid time format (e.g., 99:99) to ensure the microwave prompts the user to enter a correct time.

11	Verify that the text written over the oven's body is clearly readable.	Check the child lock and attempting to use the microwave to verify that it remains locked and does not operate.
12	Verify that the digital display is clearly visible and functions correctly.	Verify that a power interruption during operation to ensure the microwave handles it safely and correctly resumes or prompts the user upon power restoration.
13	Verify that the temperature regulator is smooth to operate.	Verify that when Entering an invalid weight for sensor cooking to ensure the microwave prompts for a valid input.
14	Verify that the temperature regulator works correctly.	Verify that a malfunctioning display panel to check if the microwave still allows safe operation or provides an error message.
15	Check the maximum capacity of the oven and test its functioning with that volume of food.	Running the microwave with a broken or non-functioning turntable to verify it detects the issue and provides a warning or shuts down.
16	Check the oven's functionality with different kinds of food – solid, and liquid.	Verify that the frozen food setting with fresh food to see if the microwave correctly identifies the discrepancy and adjusts or prompts the user.
17	Check the oven's functionality with different food at different temperatures.	Verify that when a Plugging the microwave into an overloaded circuit to ensure it handles the situation without causing electrical issues or hazards.
18	Verify the oven's functionality with different kinds of container material.	Using non-microwave safe containers (e.g., certain plastics) to verify that the microwave detects potential issues and stops operation with a warning.
19	Verify that the power cord of the oven is long enough.	Verify that a malfunctioning timer to check if the microwave handles it correctly and prevents operation with an appropriate error message.
20	Verify that the usage instruction or user manuals have clear instructions.	Verify that the microwave to cook unevenly distributed food to see if it detects uneven heating and prompts the user to rearrange or stir the food.

41. Write a scenario of Coffee vending Machine ?

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Sr No.	Positive Scenario	Negative Scenario
1	Verify that the dimension of the coffee machine is as per the specification.	Check the functioning of the coffee machine when two/multiple buttons are pressed simultaneously.
2	Verify that the machine's body color as well brand is correctly visible and as per specification.	Check the functioning of coffee machine with a lesser or higher voltage than required.
3	Verify that outer body, as well as inner part's material, is as per the specification.	Check the functioning of the coffee machine if the ingredient container's capacity is exceeded.
4	Verify the input mechanism for coffee ingredients-milk, water, coffee beans/powder, etc.	Verify that the brew coffee when there are no coffee beans in the machine to check if it detects the issue and displays an appropriate error message.
5	Verify that the quantity of hot water, milk, coffee powder per serving is correct.	Trying to start the machine without water in the reservoir to verify it does not operate and alerts the user.
6	Verify the power/voltage requirements of the machine.	Verify that when Initiating a coffee with milk option when the milk container is empty to ensure the machine detects the issue and provides a warning.
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.	Verify that when Starting the machine without placing a cup or placing it incorrectly to see if the machine detects it and stops the operation.
8	Verify that coffee should not leak when not in operation.	Verify that a power surge or voltage fluctuation to see if the machine handles it without malfunctioning or causing a hazard.
9	Verify the amount of coffee served in single-serving is as per specification.	Verify that when use the machine without inserting sufficient coins or an invalid payment method to ensure it does not dispense coffee and prompts for correct payment.

10	Verify that the digital display displays correct information.	Verify that when Running the machine for an extended period to test if it properly detects overheating and shuts down to prevent damage or fire.
11	Check if the machine can be switched on and off using the power buttons.	A blockage in the coffee dispenser to verify that the machine detects the issue and alerts the user.
12	Check for the indicator lights when the machine is switched on-off.	Verify that when Using stale or expired ingredients to see if the machine detects them and prevents dispensing.
13	Verify that the functioning of all the buttons work properly when pressed.	Verify that a malfunctioning display panel to check if the machine still allows safe operation or provides an error message.
14	Verify that each button has an image/text with it, indicating the task it performs.	Verify that when Entering invalid brewing settings (e.g., incorrect strength or size) to ensure the machine prompts the user to correct the settings.
15	Verify that complete quantity of coffee should get poured in a single operation, no residual coffee should be present in the nozzle.	A malfunction in the payment system to check if the machine correctly identifies the issue and prevents operation.
16	Verify the mechanism to clean the system work correctly- foamer.	Verify that a brew coffee with clogged filters to see if the machine detects the problem and provides a warning.
17	Verify that the coffee served has the same and correct temperature each time it is served by the machine.	Check if Operating the machine with insufficient power supply to ensure it handles the situation without causing electrical issues or hazards.
18	Verify that system should display an error when it runs out of ingredients.	A malfunctioning cup sensor to verify that the machine detects the issue and stops the operation.
19	Verify that pressing the coffee button multiple times leads to multiple serving of coffee.	Verify that when Using the machine with a leaking water tank to see if it detects the leak and provides a warning.
20	Verify that there is the passage for residual/extra coffee in the machine.	Verify that when use the milk frother when it is malfunctioning to ensure the machine detects the issue and stops the operation.

21	Verify that machine should work correctly in different climatic, moistures and temperature conditions.	Verify that the Setting an invalid temperature for brewing to verify that the machine prompts the user to enter a correct temperature.
22	Verify that machine should not make too much sound when in operation.	Check if the machine with an obstructed or full waste container to ensure it detects the issue and alerts the user.
23	Check the amount of time the machine takes to serve a single serving of coffee.	Verify that when Initiating a software update during the coffee brewing process to ensure the machine handles such interruptions securely.
24	Check the performance of the machine when used continuously until the ingredients run out of the requirements.	

42. Write a scenario of chair ?

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Sr No.	Positive Scenario	Negative Scenario
1	Verify if the material used in making the chair whether it is wood, plastic etc	Verify if the chair breaks due to weak material or poor construction
2	Verify that the chair is stable enough to take an average human load	Verify if the chair causes discomfort or injury due to poor design
3	Verify if the chair's leg are level to the floor	Verify if chair degrades quickly with use
4	Check the usability of chair as an office chair, normal household chair	Verify if the chair is too expensive for the target market
5	Verify if there is back support in the chair whether it is comfortable or not	Check the balance of the chair with one arm
6	Verify if there is support for hands in the chair whether it is comfortable or not	Check the balance of the chair with three legs
7	Verify the colour of the chair whether it is red, black , blue etc.	Check how the chair is working under different climate conditions
8	Verify if the chair's material is brittle or not	Check the stress testing of the chair by dropping the chair from the practical height

9	Verify if the cushion is provided with the chair or not	Put the chair in direct sunlight for long hours and then check the response
10	Verify if the weight of the chair is as per specifications or not	Put the chair in rain for a longer time and then check the response
11	Verify if the dimension of the chair is as per specificatons or not	Verify if the design on the chair is peeling off after many use
12	Check the condition when washed with water or effect of water on chair	Verify if the colour of the chair is fading or removing after long use
13	Verify if the height of the chair's seat from the floor is as per specification or not	Verify if the chair is not comfortable while sitting or working for long hours
14	Verify if the wheels are needed specified in chair or not	Verify if the wheels of the chair is not working properly
15	Verify if the wheels are turning 360 degrees or not	Verify if any kinectic parts and screws are not fixed
16	Check if the wheels are oiled well or not	Verify how chair is working in damp or humid environments
17	Check if there is any pointy edge on the chair or not	Verify if the chair gets damaged during shipping
18	check if chair can be stored with other chairs on top or bottom	Verify if the chair is not environmental friendly
19	Verify if the chair can ne upgraded like different back or add the wheels	Verify if company offer inadequate warrenty or poor customer support
20	Verify if the chair's height is adjustable or not	Verify if the material used in making chair's cushion is not good
21	Verify if the chair's arm rest is adjustable or not	
22	Verify if the chair's backrest is adjustable or not	
23	Verify if the chair equipped with integrated technology , such as built-in speakers, charging ports and massage functions.	
24	Verify if the chair designed for extended period of sitting, such as for gamers or remort workers	
25	Verify if the chair with customizable features, such as interchangeable cushions and adjustable components	

26	Verify if the chair with a unique design that promotes active sitting and improves posture	
27	Verify if the chair made from sustainable material and eco friendly production processes	
28	Verify if the assembly manual provided with the chair or not	

43. To Create Scenario of Gmail (Receiving Mail) ?

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Sr No.	Positive Scenario	Negative Scenario
1	Verify that all the read and unread emails are displayed in the inbox	Verify that the receiving an email sent to an incorrect or non-existent email address.
2	Verify that the recently received email or unread emails are highlighted in bold in the Inbox section.	Verify that if emails from a blocked sender are correctly filtered and do not appear in the inbox.
3	Verify that the recently received email has correct sender‘s name or email id, subject of the email, its preview and date or time.	Verify that if spam emails are correctly identified and moved to the spam folder instead of the inbox.
4	Verifty that the recently received email’s sender’s name or email id, subject of the email, and date or time should be in bold and preivew text shouldn’t be in bold.	Verify that the receiving an email with an attachment that exceeds the maximum allowed size.
5	Verfiy that the attachment icon is displayed next to the preview text of the email, if the email has any attachment.	Verify that the receiving an email with a virus-infected or suspicious attachment and check if it is correctly flagged or blocked.
6	Verify that the Archive, Delete, Mark as read, Snooze options are displaying on hovering the unread email.	Verify that the receiving an email when the mailbox is full to see if the email is rejected or handled appropriately.
7	Verify that the Archive, Delete, Mark as unread, Snooze options are displaying on hovering the read email.	Verify that the scenarios where there is a significant delay in receiving emails.

8	Verify that the Email id, Add to contacts, Open detailed view, Send email, Send message, Start video call, Schedule event options are displaying when we hover on the name/email of the read/unread email.	Verify that the receiving an email with corrupted or incomplete data to see how the system handles it.
9	Verify that the user is navigated to the email content when clicking on the email in the inbox.	Verify that the receiving a phishing email and check if it is correctly identified and flagged by the security system.
10	Verify that the content of the email is displayed correctly without any formatting issues.	Verify that the receiving an email with an empty subject line.
11	Verify that the attachment in the email is downloadable or not.	Verify that the receiving an email with no content in the body.
12	Verify that the attachments can be downloaded as a single zip file.	Verify that the receiving an email with an attachment of a file type that is not supported.
13	Verify that the attachments can be downloaded individually.	Verify that the receiving emails during network interruptions or connectivity issues.
14	Verify that the attachments can be viewable in the browser itself without downlading.	Verify that the receiving an email with an incorrect date or time stamp to see if it affects sorting and display.
15	Verify that the attachment is downloading in zip format, if the attachment size is more than 1 MB.	Verify that the scenarios where the same email is received multiple times.
16	Verify that the attachments are scanned for viruses once we try to download the file.	Verify that the receiving an email containing HTML or scripts to check for potential security vulnerabilities.
17	Verify that the Reply and Forward buttons are displaying in the bottom of the email content.	Verify that the receiving important emails that are incorrectly routed to the promotions, social, or other tabs instead of the primary inbox.
18	Verify that all the read emails are not highlighted.	Verify that the receiving an email that has no subject, no body, and no attachments.
19	Verify that unread emails count is displayed beside ‘Inbox’ text in the left sidebar of Gmail.	Verify that the receiving emails sent to various aliases of the main email address.

20	Verify that unread emails count is increased as per the number of new emails we received.	Verify that the receiving an email from an IP address that is blacklisted.
21	Verify that the unread emails count is increased when we mark an email as unread.	Verify that the receiving an email with an attachment larger than the allowed limit and verify that the application handles it correctly, either by blocking the email or providing a notification.
22	Verify that the unread emails count is decreased when we mark an email as read or opened.	Verify that the receiving an email containing a virus or malware attachment to check if Gmail's security filters detect and block it.
23	Verify that email recipients in CC are visible to all the users whose emails are present.	Verify that the receiving an email with broken or malformed links to ensure Gmail's handling and user notifications are appropriate.
24	Verify that email recipients in BCC are not visible to other users in the TO, CC or BCC section.	Receiving an email with complex HTML content and Verify that the it's correctly renders the HTML without any security vulnerabilities or display issues.
25	Verify that email can be received from other domains like Hotmail, Outlook, Yahoomail or any other company domains.	

44. To Create Scenario of Online shopping to buy product(flipkart)?

Sr No.	Positive Scenario	Negative Scenario
1	Verify that the product page loads completely with all elements visible, including images, product details, and price.	Verify that the product page fails to load due to server issues or broken links, resulting in an error message or incomplete page.
2	Verify that all product images load correctly and can be viewed in full size when clicked.	Verify that the product images fail to load or display broken image icons.
3	Verify that the product description provides accurate and detailed information about the product.	Verify that the product description contains inaccurate or misleading information about the product.

4	Verify that the specifications section contains correct and detailed specifications of the product.	Verify that the specifications section is incomplete or missing critical details about the product.
5	Verify that the product price is displayed correctly and any discounts are applied properly.	Verify that the product price is displayed incorrectly, showing either a higher or lower amount than the actual price.
6	Verify that clicking the "Add to Cart" button adds the product to the shopping cart.	Verify that clicking the "Add to Cart" button does not add the product to the shopping cart or results in an error.
7	Verify that clicking the "Buy Now" button takes the user to the checkout page with the product pre-selected.	Verify that clicking the "Buy Now" button does not navigate to the checkout page or results in an error.
8	Verify that customer reviews and ratings are displayed correctly and can be sorted or filtered.	Verify that customer reviews and ratings are missing or fail to load.
9	Verify that the Q&A section allows users to view questions and answers related to the product.	Verify that the Q&A section fails to display questions and answers or does not allow new questions to be posted.
10	Verify that entering a pincode in the delivery options section correctly displays the delivery availability and estimated delivery date.	Verify that entering a pincode in the delivery options section does not display delivery availability or estimated delivery date.
11	Verify that any available offers, discounts, or bank promotions are displayed correctly and are applicable at checkout.	Verify that available offers, discounts, or bank promotions are not displayed or are incorrectly applied at checkout.
12	Verify that related products or similar items are displayed in the "Related Products" section.	Verify that the "Related Products" section is missing or does not display relevant items.
13	Verify that the product availability status (in stock or out of stock) is displayed correctly.	Verify that the product availability status (in stock or out of stock) is displayed incorrectly.
14	Verify that the warranty information is displayed accurately.	Verify that warranty information is missing or incorrect.
15	Verify that the seller's information and rating are displayed.	Verify that the seller's information and rating are not displayed or are incorrect.

16	Verify that the overall product rating and individual ratings are displayed correctly.	Verify that the overall product rating and individual ratings are displayed incorrectly or are missing.
17	Verify that the "Compare" feature works correctly, allowing users to compare the product with other products.	Verify that the "Compare" feature does not function correctly, preventing users from comparing the product with other products.
18	Verify that the zoom function on product images works correctly.	Verify that the zoom function on product images does not work or causes errors.
19	Verify that the breadcrumb navigation at the top of the page allows users to navigate back to previous pages.	Verify that the breadcrumb navigation at the top of the page does not work or leads to incorrect pages.
20	Verify that the product page displays correctly on mobile devices.	Verify that the product page does not display correctly on mobile devices, leading to layout issues or missing content.

45. Write a Scenario of Wrist Watch ?

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Sr No.	Positive Scenario	Negative Scenario
1	Verify the type of watch – analog or digital.	Verify that when Running the watch until the battery is completely depleted to see if it handles the situation gracefully and provides any low-battery warnings.
2	In the case of an analog watch, check the correctness time displayed by the second, minute, and hour hand of the watch.	Exposing a non-waterproof watch to water to verify that it stops functioning or displays damage as expected.
3	In the case of a digital watch, check the digital display for hours, minutes, and seconds is correctly displayed.	Verify that Setting the time incorrectly (e.g., setting the hour hand to 12 when it should be 6) to ensure the watch allows correction and functions accurately.
4	Verify the material of the watch and its strap.	Subjecting the watch to extreme temperatures (both hot and cold) to check if it continues to function correctly or shows any signs of damage.

5	Check if the shape of the dial is as per specification.	Verify that a malfunctioning button (e.g., a stuck or unresponsive button) to see if the watch detects the issue and remains functional.
6	Verify the dimension of the watch is as per the specification.	Exposing the watch to strong magnetic fields to verify if it affects the timekeeping accuracy and overall functionality.
7	Verify the weight of the watch.	Verify that Dropping the watch from a significant height to test its durability and see if it continues to function properly or shows signs of damage.
8	Check if the watch is waterproof or not.	Verify that Setting the date incorrectly (e.g., setting February 30th) to ensure the watch allows correction and maintains accurate datekeeping.
9	Verify that the numbers in the dial are clearly visible or not.	Verify that a charging issue (e.g., faulty charger or charging port) to see if the smartwatch detects the problem and alerts the user.
10	Check if the watch is having a date and day display or not.	Introducing a software glitch or bug to verify if the smartwatch handles it gracefully, allowing for resets or updates without losing data.
11	Verify the color of the text displayed in the watch – time, day, date, and other information.	An unresponsive touchscreen to check if the smartwatch provides alternative input methods or alerts the user.
12	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.	Verify that Disrupting the connection between the smartwatch and a paired device to see if it notifies the user and attempts to reconnect.
13	Check if the second hand of the watch makes ticking sound or not.	Testing the watch with a broken or faulty strap to verify that it remains secure and wearable or provides a warning.
14	Verify if the brand of the watch and check if its visible in the dial.	Verify that an overheating battery to see if the watch detects the issue and shuts down to prevent damage or hazards.

15	Check if the clock is having stopwatch, timers, and alarm functionality or not.	Verify that Setting the alarm incorrectly (e.g., setting AM instead of PM) to ensure the watch allows correction and alerts the user appropriately.
16	In the case of a digital watch, verify the format of the watch 12 hours or 24 hours.	A malfunctioning display (e.g., dead pixels or a blank screen) to check if the watch remains functional and alerts the user.
17	Verify if the watch comes with any guarantee or warranty.	Setting the watch to an incorrect time zone to verify it allows easy correction and maintains accurate timekeeping.
18	Verify if the dial has glass covering or plastic, check if the material is breakable or not.	Verify that a failure during a firmware update to see if the smartwatch handles it gracefully and allows for recovery or retry.
19	Verify if the dial's glass/plastic is resistant to minor scratches or not.	Verify that the watch with corroded battery contacts to see if it detects the issue and stops functioning to prevent damage.
20	Check the battery requirement of the watch.	Verify that the watch with a loosely attached or detached watch face to ensure it alerts the user or stops functioning to prevent damage.
21	Setting the time on the watch and verifying that it keeps accurate time over an extended period.	Verify that the stopwatch or lap timing feature incorrectly to see if the watch maintains accurate timekeeping and allows for correction.
22	Verify that Setting the date and ensuring that the watch displays the correct date, including handling the transition from the last day of the month to the first day of the next month.	Verify that the smartwatch to unusual pressure changes to verify if it maintains accurate readings or alerts the user to anomalies.
23	Verify that Setting the alarm for a specific time and verifying that it goes off at the correct time with the expected sound and duration.	A malfunctioning sensor (e.g., heart rate monitor) to check if the smartwatch detects the issue and alerts the user.

24	Verify that Pairing the smartwatch with a smartphone or other device and verifying that notifications, calls, and messages are received correctly.	
25	Verify that the Adjusting watch strap for different wrist sizes to ensure it fits comfortably and securely.	

46. Write a Scenario of Lift(Elevator) ?

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Sr No.	Positive Scenario	Negative Scenario
1	Verify the dimensions of the lift.	Verify the behavior of the lift when the capacity of the lift exceeds.
2	Verify the type of door of the lift is as per the specification.	Verify the behavior of the lift when there is smoke or fire inside the lift.
3	Verify the type of metal used in the lift interior and exterior.	Verify the behavior by pressing the open button while the lift is moving.
4	Verify the capacity of the lift in terms of the total weight.	Verify the behavior by pressing the stop button before reaching the specific floor.
5	Verify the buttons in the lift to close and open the door and numbers as per the number of floors.	Verify the behavior of the lift when the power shuts down
6	Verify that the lift moves to the particular floor as the button of the floor is clicked.	Verify the behavior of the lift when clicking on different floors randomly.
7	Verify that the lift stops when the up/down buttons on a particular floor are pressed.	Verify the behavior of the lift when placing an object in the middle of the door.
8	Verify if there is an emergency button to contact officials in case of any mishap.	Verify that a sudden power failure while the elevator is in operation to ensure it stops safely and has backup power to return to the nearest floor.

9	Verify the performance of the floor – the time taken to go to a floor.	Verify that a sudden power failure while the elevator is in operation to ensure it stops safely and has backup power to return to the nearest floor.
10	Verify that in case of power failure, the lift doesn't free-fall and gets halted on the particular floor.	Verify that when Press the emergency stop button to test if it fails to stop the elevator immediately and provide an alert.
11	Verify lifts working in case the button to open the door is pressed before reaching the destination floor.	Verify that an object in the path of the closing doors to see if the sensors fail to detect the obstruction and the doors continue to close.
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 that the control panel to see if the elevator can still operate correctly or if it shuts down and alerts maintenance.
13	Verify the time duration for which the door remains open by default.	Verify that Program the elevator to stop slightly above or below the floor level to check if passengers notice and report it or if it poses a safety hazard.
14	Verify if the lift interior is having proper air ventilation.	Verify that when pressing a floor button that does not respond to ensure the elevator detects the issue and alerts for maintenance.
15	Verify lighting in the lift.	Verify that a failure in the emergency communication system (e.g., intercom) to ensure passengers cannot contact help and the system alerts maintenance.
16	Verify that at no point the lift door should open while in motion.	Test the elevator with variations in speed (too slow or too fast) to verify it maintains safe and consistent operation.
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 the door sensors that fail to detect when the doors are fully open or closed, causing potential safety hazards.
18	Verify that in case the multiple floor number button is clicked, the lift should stop on each floor.	Verify that the building's fire alarm system to see if the elevator fails to return to the ground floor and shut down as per safety protocols.

19	Verify that in case of capacity limit is reached users are prompted with a warning alert- audio/visual.	Verify that the elevator with an inaccurate weight sensor that underestimates or overestimates the load to see if it operates incorrectly.
20	Verify that inside lift users are prompted with the current floor and direction information the lift is moving towards- audio/visual prompt.	Verify that a delay in the doors closing after pressing the close button to ensure the elevator handles the situation safely.
21	Verify that Load the elevator up to its maximum capacity to verify it operates smoothly and safely without any overload warnings or malfunctions.	Verify that a sensor failure within the elevator shaft to see if the elevator continues to operate or stops safely and alerts maintenance.
22	Verify that Press the emergency alarm button inside the elevator to ensure it activates the alarm and sends a notification to the building's security or maintenance team.	Verify that the elevator with an unstable power supply (voltage fluctuations) to ensure it handles the situation without causing electrical damage or safety issues.
23	Verify that a load inside the elevator to ensure the weight sensors detect it accurately and the elevator operates within the safe load limits.	Verify that the elevator getting stuck between floors to see if it safely stops and allows for emergency evacuation procedures.
24	Verify that yhe travel between multiple floors to verify the ride is smooth, with no sudden jerks or stops.	Verify that the elevator in extreme temperatures (too hot or too cold) to ensure it maintains safe operation and comfort for passengers.
25	Verify that the elevator's voice announcement system accurately announces each floor and any important safety messages.	Verify the floor indicator that fails to show the correct floor, potentially confusing passengers.
26	Verify that the Activate maintenance mode to ensure the elevator responds correctly, such as stopping at a designated floor and displaying a maintenance message.	Verify that the motor or drive system to check if the elevator detects the issue and stops operation.

27	Verify that the restricted floor access using a keycard or PIN to ensure only authorized personnel can access certain floors.	Verify that a failure in the network communication between the elevator and the building's central control system to see if it affects safe operation and monitoring.

47. Write a Scenario of whatsapp Group (generate group) ?

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Sr No.	Positive Scenario	Negative Scenario
1	Check if contacts are imported to the whatsapp contact list or not	Verify if attempt to create a group without adding any members and verify that the application prevents it and displays an appropriate error message.
2	Check if the user can upload a profile picture or not	Verify if the user try to create multiple groups with the same name and ensure that the application handles it correctly, either by allowing it or providing a notification
3	Check if whatsapp is easy to use or not	Verify if the user try to add more members than the maximum allowed limit for a group and verify that the application restricts it and shows an error message.
4	Verify whether the Search, Chat, Status, Calls and Contact sections are available on screen or not	Verify if user use invalid characters, excessively long names, or empty names for a group and ensure the application prevents the creation and provides feedback
5	Verify if the user can clearly see all sections individually or not	Verify if user attempt to create a group without the necessary permissions (e.g., restricted user settings) and ensure the application blocks this action
6	Verify if the admin can create a group or not	Verify that when user try to add users who are not in his contact list to a group and the application either prevents it or handles it appropriately

7	Check if an admin can add others as admin	Verify if user attempt to add a contact who has blocked you to a group and ensure that the application prevents this action and provides feedback
8	Check if an admin can remove others as admin	Verify if user remove admin privileges from the creator during the group creation process and verify the application handles it correctly
9	Check admin can add users to the group	Attempt to create a group while experiencing network connectivity issues to verify if the application handles it gracefully and provides appropriate feedback
10	Check admin can restrict users	Verify if user use invalid characters, excessively long names, or empty names for a group and ensure the application prevents the creation and provides feedback
11	Check if admin can add people	Check if user try to create multiple groups simultaneously from different devices or instances and check for any race conditions or data integrity issues.
12	Check if admin can add 250 people to the group	Verify if user try to invite users with invalid or improperly formatted phone numbers and ensure the application prevents it
13	Check if admin can add people with invite link	Verify if user create a group and send messages, then delete and recreate the group with the same members to ensure there is no unintended duplication of message history
14	Check if the admin can delete people and add them back to the group	Check whether non-admin members can add new users to the group and ensure the application prevents this action and notifies the user
15	Check if the admin user can delete all people in the group	Check whether user create groups with names in different languages or scripts to ensure proper handling and display.

16	Check if the admin can ban people or not	Create a group and then log in from another device to check for consistency in group creation and member lists across devices
17	Check the admin can add or remove other users from contact list or not	Verify if user delete a group while there are ongoing conversations and ensure all members are properly notified and the group is removed from their chats
18	Check if the admin can change information or group name	Check when attempt to remove all members, including the admins, from a group and verify how the application handles this scenario
19	Check if every user can share information or not	Check when attempt to create a group while the device is under low battery conditions and verify if the process is handled smoothly
20	Check if the admin can restrict people from sharing information or not	Verify if user use an expired invite link to attempt to join a group and ensure the application prevents it and provides an appropriate error message.
21	Check if the user can share different media on whatsapp like simple text, audio, video, documents, links and photo	
22	Check if the user is removed from the group whether he will see the updates or not	
23	Check if an individual user has posted something in a group, then that individual user can delete the information on the group	
24	Check the individual can see the text status read or seen by others users or not	
25	Check the individual can reply of a particular message in the group or not	

26	Check whether the individual can video or audio call in the group or not	
27	Check whether the individual user can send gifs in the group or not	
28	Check whether the individual user can left the chat or not	
29	Check the individual user can delete the group or not	
30	Check the user can send or receive Location in the group or not	
31	Verify if the user can see the group contact information from Group info in the group chat box	
32	Check if the user can search specific chat history using the search option in the group chat box	
33	Check the user can mute the group in the group chat box	
34	Check the user have options like Report, Block, Clear chat, Export chat, and add shortcut	
35	Check if the user can insert the group name and select an image for DP	

48. Write a Scenario of Whatsapp payment ?

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Sr No.	Positive Scenario	Negative Scenario
1	Verify if there is a feature of Whatsapp payment on whatsapp application	Verify if user tries to register with an invalid phone number
2	Verify that user successfully registers for Whatsapp payments using their phone number	Verify if user attempts to link an unsupported or invalid bank account
3	Ensure that the whatsapp payment allows users to enter their payment details securely	Verify that if user enters an incorrect OTP multiple times
4	Verify that user successfully links their bank account to whatsapp payments	Verify if user tries to register with an already registered phone number
5	Verify that user verifies their identity using an OTP sent to their registered mobile number	Verify if user attempts to send money without sufficient balance
6	Verify that the whatsapp payment responds to invalid credentials correctly	Verify if User enters an invalid UPI ID or phone number
7	Verify that user successfully sends money to a contact using their UPI ID	Verify if user tries to send money without setting up a UPI PIN
8	Verify that user successfully sends money to a contact using their phone number	Verify if user enters an incorrect UPI PIN multiple times
9	Verify that user successfully sends money to a contact from their Whatsapp chat window	Verify if user tries to send an amount exceeding the daily transaction limit
10	Verify that user successfully sends money using a QR code	Verify if user attempts to send money during network connectivity issues
11	Verify that user receives a confirmation message after a successful transaction	Verify if user's bank account is not able to accept the incoming payment
12	Verify that user successfully receives money from another Whatsapp user	Verify if user's account is frozen or has restrictions, preventing receipt of funds
13	Verify that user receives a notification of the received payment	Verify if user does not receive a notification for an incoming payment due to network issues

14	Verify that user can see the received amount in their transaction history	Verify if user attempts to access transaction history during a server downtime
15	Verify that user successfully checks their bank account balance through Whatsapp payments	Verify if user tries to login from an unregistered device
16	Verify that transaction history displays accurate details, including date, time, amount, and contact information	Verify if unauthorized user tries ton change the UPI PIN
17	Verify that user successfully sets up a UPI PIN	Verify if user sends a payment request to a non whatsapp contact
18	Verify that user is prompted to enter their UPI PIN before sending money	Verify if user requests a refund for a transaction but the request fails due to server issues
19	Verify that user can successfully change their UPI PIN	Verify if user attempts to cancel a payment that has already been processed
20	Verify that user receives a notification for any suspicious activity or failed login attempts	Verify if user tries to send/ receive money in a group chat where some participants do not have whatsapp payments set up
21	Verify that user can successfully access customer support options through Whatsapp	Verify if user faces app crashes when trying to initiate a payment
22	Verify that user can successfully report an issue with a transaction	Verify if user experiences a timeout error while processing a payment
23	Verify that User successfully uses Whatsapp payments in different support languages	
24	Verify that user gets all notifications, prompts, and messages are displayed correctly in the selected language	
25	Verify that user successfully requests a refund for a transaction	
26	Verify that user receives a refund and the amount is credited back to their account	
27	Verify that user can cancel a pending payment and the amount is not deducted from their account	
28	Verify that user sucessfully uses Whatsapp payments during a group chat to send or receive money	