**SOFTWARE TESTING**

**ASSIGNMENT**

**MODULE 2**

**Q1 what is Exploratory Testing ?**

Exploratory testing is an approach to [software testing](https://www.atlassian.com/continuous-delivery/software-testing) that is often described as simultaneous learning, test design, and execution. It focuses on discovery and relies on the guidance of the individual tester to uncover defects that are not easily covered in the scope of other tests.

The practice of exploratory testing has gathered momentum in recent years. Testers and QA managers are encouraged to include exploratory testing as part of a comprehensive test coverage strategy.

Q2 what is Traceability Matrix?

**Test conditions should be able to be linked back to their sources in the test basis, this is known as traceability.**

⚫ Traceability can be horizontal through all the test documentation for a given test level (e.g. system testing, from test conditions through test cases to test scripts) or it can be vertical through the layers of development documentation (e.g. from requirements to components).

Q3 what is Boundary Value Testing?

⚫ Boundary value analysis is a methodology for designing test cases

⚫ Boundary value analysis is a method which that concentrates software testing effort on cases near **the limits of valid** **ranges refines** equivalence partitioning.

⚫ Boundary value analysis generates test cases that highlight errors better than equivalence partitioning

⚫ The trick is to concentrate software testing efforts at the extreme ends of the equivalence classes.

⚫ At those points when input values change from valid to invalid errors are most likely to occur.

⚫ Boundary Value Analysis (BVA) uses the same analysis of partitions as EP and is usually used in conjunction with EP in test case design

Q4 what is Equivalence Partitioning Testing?

Equivalence partitioning is the process of defining the optimum number of tests by:

⚫ Reviewing documents such as the Functional Design Specification and Detailed Design Specification, and identifying each input condition within a function,

⚫ Selecting input data that is representative of all other data that would likely invoke the same process for that particular condition.

⚫ If we want to test the following IF statement: “If value is between 1 and 100 (inclusive) (e.g value >=1 and value <=100) Then...”

⚫ We could put a range of numbers as shown in the below figure.

Q5 what is Integration Testing?

Integration testing -- also known as integration and testing (I&T) -- is a type of [software testing](https://www.techtarget.com/whatis/definition/software-testing) in which the different units, modules or components of a software application are tested as a combined entity. However, these modules may be coded by different programmers.

The aim of integration testing is to test the interfaces between the modules and expose any defects that may arise when these components are integrated and need to interact with each other

Q6 what is Alpha Testing?

Alpha testing is the first end-to-end testing of a product to ensure it meets the business requirements and functions correctly. It is typically performed by internal employees and conducted in a lab/stage environment. An alpha test ensures the product really works and does everything it's supposed to do.

Q7 What is Beta Testing?

Beta testing is an opportunity for real users to use a product in a production environment to uncover any bugs or issues before a general release. Beta testing is the final round of testing before releasing a product to a wide audience.

Q8 what is Component Testing?

Component testing is the testing of the different components or modules of a software application independently.

Q9 What is Functional System Testing?

Functional testing is a type of testing that seeks to establish whether each application feature works as per the software requirements.

Q10 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.

Q11 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.

Q12 What is Adhoc Testing?

Adhoc Testing does not follow any structured way of testing and it is randomly done on any part of application. Main aim of this testing is to find defects by random checking. Adhoc testing can be achieved with the Software testing technique called **Error Guessing.**

Q13 what is Load testing?

Its a performance testing to check system behavior under load.

Testing an application under heavy loads, such as testing of a web site under a range of loads to determine at what point the system’s response time degrades or fails.

Q14 what is Stress Testing?

**stress testing is to determine the limit, at**

**which the system or software or hardware breaks**.

Q15 what is white Box Testing and the list the type of White Box Testing.

White box testing is based on analysis of the internal structure

Of the component or system.

* Types of White Box Testing
* Path testing
* Loop Testing
* Conditional Testing
* Unit Testing
* Mutation Testing
* Intigration Testing
* Penetration Testing
* Testing based on memory perspective
* Test performance of the program

Q16 What is Black Box Testing. What are the different Black Box Testing Techniques.

**Black-box testing: Testing, either functional or non-functional,without reference to the internal structure of the component or system.**

Q17 Mention what are the categories of Defects?

* Logical defects
* Syntex defects
* Arithmetic defects
* Interface defects
* Multy threading defects
* Interface defects
* Performance defects
* Security defects

Q18 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.

Q19 What is the purpose of exit criteriya?

The purpose of exit criteria is A. Define when to stop testing B. End of test level C. When a set of tests has achieved a specific pre-condition D. All of the above Mention Your Answer in Comments!

Q20 when should “regression testing” be performed?

Ideally, regression testing should be performed whenever your codebase has been modified or altered in any way as well as to verify any previously discovered issues marked as fixed. The more often the better: frequent partial regression testing will help your developers fix the reported defects on time, and your project to avoid any long-term pitfalls and technical debt caused by poor code quality. However, even though an occasional project might have the resources to perform the tests after the slightest changes have been introduced to the codebase, for most projects designing and maintaining such a multiplicity of regression tests may simply be infeasible. Therefore, it is important to understand when you need to start regression testing.

Q21 what is 7 key principles?explain in detail.

The seven principles of software can help you do just that. These principles of software testing describe how testing engineers or software testers should develop code that is error-free, clear, and maintainable.

* Expaination
* Testing shows the presence of defects
* Exhaustive testing is impossible
* Early testing
* Defect clustering
* Pesticide paradox
* Testing is context dependent
* Absence-of-errors fallacy
* Testing shows the presence of defects

You test software to identify problems so you can fix them before you deploy the software to production environments. However, this process doesn't mean that there aren't any bugs in the product. It just means that there may be bugs, but you didn't find them.

* Exhaustive testing is impossible

The truth is that you can't test everything, i.e., every combination of preconditions and inputs. And if you try to do so you'll waste time and money, but it won't affect the overall quality of the software.

* Early testing

When it comes to the software development lifecycle, testing early is the key to identifying any defects in the requirements or design phase as soon as possible.

* Defect clustering

Defect clustering is the idea that a small number of software modules or components contain the most defects — sort of applying the Pareto Principle to software testing, i.e., approximately 80% of the issues are found in 20% of the components.

* Pesticide paradox

This principle centers around the theory that if you repeatedly use a particular pesticide on your crops, the insects you're trying to kill or repel will eventually become immune to the pesticide and it will no longer be effective.

* Testing is context dependent

Software testing is all about the context, which means that no one strategy will fit every scenario. The types of testing and the methods you use totally depend on the context of the systems or the software, e.g., the testing of an iOS application is different from the testing of an e-commerce website. Put simply, what you're testing will always affect the approach you use.

* Absence of error fallacy

If your software is 99% error-free but it doesn't follow your user's requirements, it's still not usable. That's why it's critical to run tests that pertain to the requirements of the system. Software testing isn't just about finding bugs, it's about ensuring that the software meets the user's needs and requirements.

Q22 difference between QA v/s QC v/s Tester

|  |  |  |  |
| --- | --- | --- | --- |
| S.N | QUALITY ASSURANCE | QUALITY CONTROL | TESTING |
| 1 | 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 procedure and process. | Focuses on actual testing |
| 2 | Procedure oriented activities | Product oriented activities | Product oriented activities |
| 3 | Preventive activities | It is a corrective process | It is preventive process |
| 4 | It is a subset of software test life cycle | QC can be considered as the subset of quality assurance | Testing is the subset of quality control |
|  |  |  |  |

Q23 Difference between smoke and senity

|  |  |
| --- | --- |
| Smoke Testing | Senity Testing |
| Performed on initial builds | Performed on stable builds |
| To test the stability of new buid | To test the stability of new functionality or code changes in the existing build |
| Covers end to end basic functionalities | Covers certain module,in hich code changes have been made |
| Executed by testers and sometimes also by developers | Executed by testers |
| A part of basic testing | A part of regression testing |

Q24 Differenec between verification and validation

|  |  |
| --- | --- |
| Varification | Validation |
| It includes checking documents, design, codes and programs | It includes testing and validating the actual product. |
| Verification is the static testing | Validation is the dynamic testing |
| It does *not* include the execution of the code | It includes the execution of the code. |
| It comes before validation. | It comes after verification. |
| Verification is for prevention of errors | Validation is for detection of errors. |
| Verification finds about 50 to 60% of the defects. | Validation finds about 20 to 30% of the defects. |
| Verification is about process, standard and guideline. | Validation is about the product. |

Q25 Explain types of performance testing

### Load Testing

### [Load testing](http://searchsoftwarequality.techtarget.com/definition/load-testing) measures system performance as the workload increases. That workload could mean concurrent users or transactions. The system is monitored to measure response time and system staying power as workload increases. That workload falls within the parameters of normal working conditions.

### Stress Testing

Unlike load testing, [stress testing](http://searchsoftwarequality.techtarget.com/definition/stress-testing) — also known as fatigue testing — is meant to measure system performance outside of the parameters of normal working conditions. The software is given more users or transactions that can be handled. The goal of stress testing is to measure the software stability. At what point does software fail, and how does the software recover from failure?

### Spike Testing

Spike testing is a type of stress testing that evaluates software performance when workloads are substantially increased quickly and repeatedly. The workload is beyond normal expectations for short amounts of time.

### Endurance Testing

Endurance testing — also known as soak testing — is an evaluation of how software performs with a normal workload over an extended amount of time. The goal of endurance testing is to check for [system problems such as memory leaks](https://msdn.microsoft.com/en-us/library/ms859408.aspx). (A [memory leak](https://stackify.com/java-memory-leaks-solutions/) occurs when a system fails to release discarded memory. The memory leak can impair system performance or cause it to fail.)

### Scalability Testing

Scalability testing is used to determine if software is effectively handling increasing workloads. This can be determined by gradually adding to the user load or data volume while monitoring system performance. Also, the workload may stay at the same level while resources such as CPUs and memory are changed.

### Volume Testing

Volume testing determines how efficiently software performs with large projected amounts of data. It is also known as flood testing because the test floods the system with data.

Q26 what is Error, Bug ,Defect and Failure?

* Error

An error occurs when a humans makes a mistake while writing the code.we need to detect these errors early to prevent defects.

* Bug

Refers to the same issues as defects.the term bug is used interchangeably with a defect.

* Defect

Defect present a flaw or imperfection in the software application.

* Failure

Events when our software doesn’t perform as expected during execution.it indicates the presence of defects

Q 27 what is Bug Life Cycle?

**“A computer bug is an error, flaw, mistake, failure, or fault in acomputer program that prevents it from working correctly or**

**produces an incorrect result. Bugs arise from mistakes and**

**errors, made by people, in either a program’s source code or its design”**

Q 28 difference between Priority and Severity.

|  |  |  |
| --- | --- | --- |
| Parameters | Severity in testing | Priority in testing |
| Defination | Severity the term that donates how severaly the defect can affect the functionality of the software. | Priority is a term that define how fast we need to fix a defact |
| parameter | Severity is basically a perameter that denotes the total impact of a givan defect on any software. | Priority is basically a parameter that decides the order in which we should fix the defects |
| 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 object | 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 |
| Who decades the defect | The testing engineer basically decides a defect’s a severity level | The product manager is basically decides a defect’s priority level |
| Types | There are 5 types of severities:  Cosmetic,minor,moderate,  Major and critical | There are 3 types of priorities:  High, Medium and low |

Q29 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:**  **1.** Unit Testing  **2.** Smoke Testing  **3.** Integration Testing  **4.** Regression Testing | **Examples:**  **1.** Performance Testing  **2.** Load Testing  **3.** Stress Testing  **4.** Scalability Testing |

Q30 What is the difference between the STLC(software Testing Life Cycle) and SDLC(Software Development Life Cycle)

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| --- | --- |
| SDLC | STLC |
| SDLC is mainly related to software development. | STLC is mainly related to software testing. |
| SDLC involves total six phases or steps. | STLC involves only five phases or steps |
| Goal of SDLC is to complete successful development of software. | Goal of STLC is to complete successful testing of software. |
| It helps in developing good quality software. | It helps in making the software defects free. |
| SDLC phases are completed before the STLC phases. | STLC phases are performed after SDLC phases. |
| Creation of reusable software systems is the end result of SDLC | A tested software system is the end result of STLC. |

Q31 explain what Test Plan is? What is the information that should be covered?

* Defination

Creating a [software test plan](https://en.wikipedia.org/wiki/Test_plan) is one of the most foundational concepts in software testing. However, with the advent of streamlined life cycle processes, such as Agile and DevOps, the idea of taking the time to create test plans and other forms of test documentation is often minimized or ignored altogether.

* Covered information of test plan

Test Planning Factors

⚫ Factors which affect test planning

⚫ The organisation’s test policy

⚫ Scope of the testing being performed

⚫ Testing objectives

⚫ Project Risks – e.g. business, technical, people

⚫ Constraints – e.g. business imposed, financial, contractual etc

⚫ Criticality (e.g. system/component level)

⚫ Testability

⚫ Availability of resources

⚫ Test plans are continuously refined

⚫ As more information becomes available

⚫ As new risks arise or others are mitigated

⚫ Not set in concrete, but changes must be carefully managed

* Test Planning Activities

⚫ **Approach**: Defining the overall approach of testing (the test strategy), including the definition of the test levels and entry and exit criteria.

⚫ **Integrating and coordinating the testing activities into the software life cycle activities**: acquisition, supply, development, operation and maintenance

⚫ Making decisions about:

⚫ **what** to test

⚫ **who** do testing? i.e. what roles will perform the test activities

⚫ **when** and how the test activities should be done and when they should be stopped (exit criteria – see next slides)

⚫ **how** the test results will be evaluated

⚫ Assigning resources for the different tasks defined.

⚫ **Test ware**: Defining the amount, level of detail, structure and templates for the test documentation.

⚫ Selecting metrics for monitoring and controlling test preparation and execution, defect resolution and risk issues.

⚫ **Process**: Setting the level of detail for test procedures in order to provide enough information to support reproducible test preparation and execution

Q32 What is priority?

Priority is defined as the order in which the defects should be resolved. The priority status is usually set by the testing team while raising the defect against the dev team mentioning the timeframe to fix the defect. The Priority status is set based on end users requirement

Q33 What is Severity?

 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. Parameter.

Q34 Difference between Priority and Severity

|  |  |
| --- | --- |
| Severity | Priority |
| **Defined by the impact of a specific problem on any application’s functionality.** | **Defined by the impact on business** |
| **Category decided by testers.** | **Category decided by developers or product owners.** |
| **Deals with the technical aspects of the application.** | **Deals with the timeframe or order to fix the defects** |
| **The value does not change with time, it’s fixed.** | **The priority value is subjective and may change after comparing with other defects.** |

Q35 Advantage of Bugzilla

* It is an open-source widely used bug tracker
* It is easy in usage and its user interface is understandable for people without technical knowledge
* It easly integrates with test management instruments
* It integrates with an e-mailing system
* It automates documentation

Q36 BUG Categories are

By determining the severity of a defect, teams can strategize their defect management process.

#### ****1. Critical Severity****

At the pinnacle of defect severity lies the critical severity defects. These defects are showstoppers, rendering the software unusable. Immediate attention is imperative for such defects, as they can jeopardize the entire project.

#### ****2. High Severity****

Next in line are the high-severity defects. While they might not halt the entire system, their presence can cripple significant functionalities. Such defects can’t be ignored and demand swift action.

#### ****3. Medium Severity****

Though not as threatening as the previous categories, medium-severity defects still warrant attention. They might affect certain parts of the system but often have workarounds

#### ****4. Low Severity****

At the base of the severity pyramid are the low-severity defects. These defects, though present, don’t disrupt the main functionalities of the software.

Q37 Explain the difference between Authorization and Authentication in web testing.What are the common problems faced in web testing.?

|  |  |
| --- | --- |
| Authebtication | Authorization |
| In the authentication process, users or persons are verified. | While in this process, users or persons are validated. |
| It is done before the authorization process. | While this process is done after the authentication process |
| It needs usually the user’s login details. | While it needs the user’s privilege or security levels. |
| Authentication determines whether the person is user or not. | While it determines **What permission does the user have?** |
| Generally, transmit information through an ID Token. | Generally, transmit information through an Access Token. |

* Ensuring cross browser compatibility

One of the major challenges in web application testing is achieving cross browser compatibility. Web applications need to function correctly across different web browsers such as Chrome, Firefox, Safari, and Microsoft Edge. When performing cross browser testing, QA testers may identify bugs related to layout inconsistencies, broken functionality, or JavaScript errors specific to certain browsers.

* Dealing with dynamic content

Web applications often retrieve data from a server or database and display it dynamically on the user interface. In some cases, bugs may occur when the displayed data is inconsistent or not in sync with the actual data

* Performance and scalability testing

Web applications need to be responsive and perform well under different user loads. QA testers can uncover bugs related to slow page loading times, high server response times, memory leaks, or inefficient database queries that affect the overall performance of the application.

* Security Testing

Web applications are susceptible to various security risks. QA engineers play a crucial role in identifying potential security vulnerabilities such as SQL injection, cross-site scripting (XSS), insecure direct object references, or insufficient access controls.

Q38 Write a scenario of Pen

* Verify that the length and the diameter of the pen are as per the specifications.
* Verify the outer body material of the pen. Check if it is metallic, plastic, or any other material specified in the requirement specifications.
* Check the color of the outer body of the pen. It should be as per the specifications.
* Verify that the brand name and/or logo of the company creating the pen should be clearly visible.
* Verify that any information displayed on the pen should be legible and clearly visible.

Q39 write a scenario of Pen stand

* Verify look of it
* Verify the outer and inner both material
* Verify the price
* Verify the model
* Verify for comfortable to put pen
* Verify the space in or on which put it down

Q40 write a scenario of Door

* Check whether the door is made of wood, glass, or other material.
* Check the door; it is a leading, washroom, or any other location door.
* Check if the door is built with glass; is it a transparent or non-transparent door?
* Check if any levels are on the door like push or pull.
* Check which type of door, whether it is a single door or a folded door.
* Check which side the door is open, whether inside or outside.
* Check the size of the door is as per the specification document
* Check that the door is made of the same material mentioned in the specification document.
* Check whether the door’s color is the same as the specification document.
* Check the opening functionality of the door, whether that is a sliding or rotating door.
* Check the design of the door is as per the specification document
* Check the position, quality, and strength of the hinges
* Check what type of logs are present in the door
* Check the number of locks current inside and outside of the door
* Check whether the big hole door has a peek-hole, and also check the position of that whole is as per the specification document

Q41 write a scenario of ATM

* 1. Verify the ‘ATM Card Insertion Slot’ is as per the specification  
     2. Verify the ATM machine accepts card and PIN details  
     3. Verify the error message by inserting a card incorrectly  
     4. Verify the error message by inserting an invalid card (Expired Card)  
     5. Verify the error message by entering an incorrect PIN  
     6. Verify that the user is asked to enter the PIN after inserting a valid ATM Card  
     7. Verify that PIN is encrypted  
     8. Verify that there is an action like blocking of card occurs when the total no. of incorrect PIN attempts get surpassed  
     9. Verify the user is allowed to do only one cash withdrawal transaction per PIN request  
     10. Verify the machine logs out of the user session immediately after successful withdrawal  
     11. Verify the message when there is no money in the ATM

Q42 when to use usability testing?

As designers, we can't claim to follow a user-centered design process unless we conduct [usability testing](https://maze.co/guides/usability-testing/).

The insight this technique gives us into the challenges and behaviors of our audience is second to none.

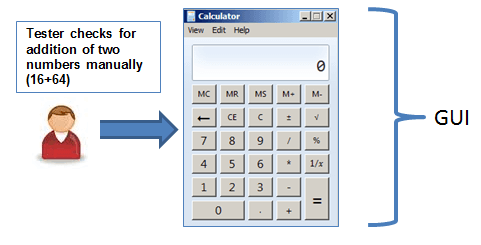
But even though most designers understand the value of usability testing, I've found that there's less certainty about when to run a test.

To add some clarity, here are the key areas where we always conduct usability testing during our projects at DePalma Studios.

Q43 what is the Procedure for GUI testing?

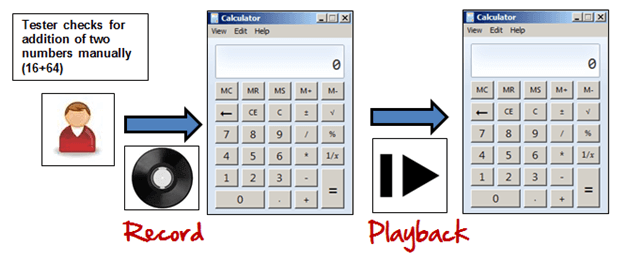
* Manual based testing

Under this approach, graphical screens are checked manually by testers in conformance with the requirements stated in the business requirements document.

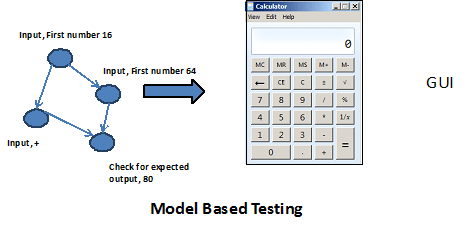


* Record and reply

GUI testing can be done using automation tools. This is done in 2 parts. During Record, test steps are captured by the automation tool. During playback, the recorded test steps are executed on the Application Under Test. Example of such tools – QTP.



* Model based testing



A model is a graphical description of a system’s behavior. It helps us to understand and predict the system behavior. Models help in a generation of efficient test cases using the system requirements. The following needs to be considered for this model based testing:

* Build the model
* Determine Inputs for the model
* Calculate the expected output for the model
* Run the tests
* Compare the actual output with the expected output
* A decision on further action on the model

Q44 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 specification.
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.
   1. Verify the battery requirement of the microwave oven and check that it function’s smoothly at that power.

Q45 write coffee vending machine

1. UI scenario – 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.

Q46 write scenario of chair

1. Verify that the chair is stable enough to take an average human load.
2. Check the material used in making the chair-wood, plastic etc.
3. Check if the chair’s leg are level to the floor.
4. Check the usability of the chair as an office chair, normal household chair.
5. Check if there is back support in the chair.
6. Check if there is support for hands in the chair.
7. Verify the paint’s type and color.
8. Verify if the chair’s material is brittle or not.
9. Check if cushion is provided with chair or not

Q47 write a scenario of wrist watch

1. .
2. Check if the watch is having a date and day display or not.
3. Verify the type of watch – analog or digital.
4. In the case of an analog watch, check the correctness time displayed by the second, minute, and hour hand of the watch.
5. In the case of a digital watch, check the digital display for hours, minutes, and seconds is correctly displayed.
6. Verify the material of the watch and its strap.
7. Check if the shape of the dial is as per specification.
8. Verify the dimension of the watch is as per the specification.
9. Verify the weight of the watch.

Check if the watch is waterproof or not.

1. Verify that the numbers in the dial are clearly visible or notVerify the color of the text displayed in the watch – time, day, date, and other information

Q48 write a scenario of lift(elevator)

1. Verify the dimensions of the lift.
2. Verify the type of door of the lift is as per the specification.
3. Verify the type of metal used in the lift interior and exterior.
4. Verify the capacity of the lift in terms of the total weight.
5. Verify the buttons in the lift to close and open the door and numbers as per the number of floors.
6. Verify that the lift moves to the particular floor as the button of the floor is clicked.
7. Verify that the lift stops when the up/down buttons on a particular floor are pressed.
8. Verify if there is an emergency button to contact officials in case of any mishap.
9. Verify the performance of the floor – the time taken to go to a floor.

Q49 is the difference between Test Scenarios,Test case and Test Script?

|  |  |  |
| --- | --- | --- |
| Test Scenario | Test Case | Test Script |
| 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 | Requres more resources and time | Requres less time for testing but more resources for script 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 ascript |
| Allows quickly assessing the testing scope | Allows detecting errors and defects | Allows carrying out an automatic execution of test cases |
|  |  |  |

Q50 To create HLR and TEST CASE of

* Facebook sign up page
* HLR

|  |  |  |
| --- | --- | --- |
| Functionality  ID | Functionality  Name | Description |
| 0 | Check Websitelink(URL) | It is open properly |
| 101 | Check First Name | It should be writable and it work properly |
| 102 | Check Surname | It should be writable and it work properly |
| 103 | Check mobile number OR Email  Address | When I check Mobile number or Email address it is writable |
| 104 | Check new Password | When I check password it should be writable and ceck properly |
| 105 | Check Date of Birth | When I check password we select any date,month and year shuld be selected |
| 106 | Check Gender | When I click on gender box ,it should be selected only one option and it works properly |
| 107 | Check custom option | When I check on custom select on pronoun field is appeared and u can select any one from hint list |
| 108 | Check hover effect of sign up | When I check put on cursor on sign up botton,it should be highlighted and it works properly |
| 109 | Check click on sign up | When I check on sign up it should be clikable and it should works properly |
| 110 | Check sign up | When I check sign up after fulfill informations,it should be done successfully and it works properly |
| 111 | Check learn more,term, privacy and cookies policy | When I click on any one,it should be redirected to information page |
| 112 | Check footer links | When I check footer links ,it should be redirected to information page |

* TEST CASE

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Facebook - Sign Up Page** | | | | | | | | | |
| **Testcase ID** | **Functionality ID** | **TestCase Name** | **Test Summary** | **Pre - Condition** | **Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status** |
| 0 | 1 | Check Website Link (URL) | After entering URL, Check Website is opened properly or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar | URL : https://www.facebook.com/login/ | The Website should be Opened Properly | As per Expected Result | PASS |
| 1 | 101 | Check First Name | After Click on First Name Field, Check Field is Writable or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Sign up for facebook 3. Click on First Name | [URL : https://www.facebook.com/login/ First Name : Kalp](https://www.facebook.com/login/) | When we Click on First Name Field, It should be Writable | As per Expected Result | PASS |
| 2 | 101 | Check First Name | Check First Name has Validation or Limitations or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Sign up for facebook 3. Click on First Name | First Name : Kalpkjsjcnkczkczc sk hadjahdakj chdadchnsdhkshsf | There should be Limitations or Validations in First Name Field | There is no Limitations or Validation in first Name | FAIL |
| 3 | 102 | Check Surname | After Click on Surname Field, Check Field is Writable or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Sign up for facebook 3. Click on Surname | Surname : Shukla | When we Click on Surname Field, It should be Writable | As per Expected Result | PASS |
| 4 | 102 | Check Surname | Check Surname has Validation or Limitations or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Sign up for facebook 3. Click on Surname | Surname : Shuklakjdfksdfhskfvndkdverekrnenereiw | When we Click on Surname Field, It should be Writable | There is no Limitations or Validation in Surname | FAIL |
| 5 | 103 | Check Mobile Number or Email Address | Check if Mobile Number is writable or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Sign up for facebook 3. Click on Mobile Number or Email Address | Mobile Number : 8866115744 | Mobile Number should be Writable | As per Expected Result | PASS |
| 6 | 103 | Check Mobile Number or Email Address | Check there is Alert Message appeared or not after enter wrong details | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Sign up for facebook 3. Click on Mobile Number or Email Address | Mobile Number : abchdhkjdk | When we Enter wrong details, there should be Alert Message at the time of Sign Up | As per Expected Result | PASS |
| 7 | 103 | Check Mobile Number or Email Address | Check if Email Address is writable or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Sign up for facebook 3. Click on Mobile Number or Email Address | Email Address : jayshuklamz@gmail.com | Email Address should be Writable | As per Expected Result | PASS |
| 8 | 103 | Check Mobile Number or Email Address | Check Alert Message is appeared or not after enter wrong details | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Sign up for facebook 3. Click on Mobile Number or Email Address | Email Address : jay@gmail.com | When we Enter wrong details, there should be Alert Message at the time of Sign Up | As per Expected Result | PASS |
| 9 | 104 | Check New Password | Check New Password is Writable or niot | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Sign up for facebook 3. Click on New Password | New Password : jaysh@12345 | New Passwordshould be Writable | As per Expected Result | PASS |
| 10 | 104 | Check New Password | Check if New Password is small then Strong Password Suggestion or validation is poped up or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Sign up for facebook 3. Click on New Password | New Password : jay | If we enter small Password, there should be Strong Password Suggestion or Validation | As per Expected Result | PASS |
| 11 | 105 | Check Date of Birth | Check Selection of Date, Month & Year are done Successfully or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Sign up for facebook 3. Click on Date of Birth | Date : 24 Month :Feb year : 2004 | When we Select any Date, Month & year, Specific Date, Month & Year should be selected | As per Expected Result | PASS |
| 12 | 106 | Check Gender | After Selection of Check Box of Gender, Check only one Check Box is selected or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Sign up for facebook 3. Click on Gender |  | When we Click on gender Check Box, it should be selected only one Option | As per Expected Result | PASS |
| 13 | 107 | Check Custom Option | After Click on Custom Field, Check there is Hint List or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Sign up for facebook 3. Click on Custom | Select your pronoun : She: "Wish her a Happy birthday !" | When we Click on Custom, Select your Pronoun field should be appeared of any Hint List option should be done successfully | As per Expected Result | PASS |
| 14 | 108 | Check Hover Effect of Sign Up | After Put Cursor on Sign Up Button, Check button is Highlighted or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Sign up for facebook 3. Put Cursor on Sign Up |  | When we Put Cursor on Sign Up button, it should be Highlighted | As per Expected Result | PASS |
| 15 | 109 | Check Click of Sign Up | After Click on Sign Up Button, Check button is Clickable or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Sign up for facebook 3. Click on Sign Up |  | When we Click on Sign Up, it should be Clickable | As per Expected Result | PASS |
| 16 | 110 | Check Sign UP | After fullfill all details, Check Sign Up is done successfully or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Sign up for facebook 3. Click on Sign Up |  | When we Click on Sign Up after fullfill informations, the Sign Up should be done Successfully | As per Expected Result | PASS |
| 17 | 110 | Check Sign UP | If any field is Empty, Check Alert message is showing or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Sign up for facebook 3. Click on Sign Up |  | If any Field is Empty, Alert Message about Field should be shown Warning | As per Expected Result | PASS |
| 18 | 110 | Check Responsive UI in Sign up Page | Check It's compatible with other Device or not | Internet, Browser & Website in working condition | "1. Enter URL in Address Bar 2. Open in Different Mobile | Dimensions : Pixel 5 | If we Check in Different devices, Alignment and all features should not be changed | As per Expected Result | PASS |
| 19 | 111 | Check Learn More, Term, Privacy & Cookies Policy | Check Learn more option is Redirected to Information Page or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Sign up for facebook 3. Click on Learn More |  | When we Click on Learn More, it should be Redirected to Information Page | As per Expected Result | PASS |
| 20 | 111 | Check Learn More, Term, Privacy & Cookies Policy | Check Term Policy option is Redirected to Information Page or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Sign up for facebook 3. Click on Term Policy |  | When we Click on Term policy, it should be Redirected to Information Page | As per Expected Result | PASS |
| 21 | 111 | Check Learn More, Term, Privacy & Cookies Policy | Check Privacy Policy option is Redirected to Information Page or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Sign up for facebook 3. Click on Privacy Policy |  | When we Click on Privacy policy, it should be Redirected to Information Page | As per Expected Result | PASS |
| 22 | 111 | Check Learn More, Term, Privacy & Cookies Policy | Check Cookies Policy option is Redirected to Information Page or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Sign up for facebook 3. Click on Cookies Policy |  | When we Click on Cookies Policy, it should be Redirected to Information Page | As per Expected Result | PASS |
| 23 | 112 | Check Footer Links | After Click on Language, Check Language is changed or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Sign up for facebook 3. Click on Footer Language Options |  | Language should be changed | As per Expected Result | PASS |
| 24 | 112 | Check Footer Links | After Click on +, Check Page is redirected to the Language Page | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Sign up for facebook 3. Click on + |  | The Page should be redirected to Language Page | As per Expected Result | PASS |
| 25 | 112 | Check Footer Links | After Click on Sign Up link, Check Page is Redirected to Sign Up Page or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Sign up for facebook 3. Click on Sign Up link |  | Page should be Redirected to Sign Up Page | As per Expected Result | PASS |
| 26 | 112 | Check Footer Links | After Click on Log in link, Check Page is Redirected to Log in Page or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Sign up for facebook 3. Click on Log in link |  | Page should be Redirected to Log in Page | As per Expected Result | PASS |
| 27 | 112 | Check Footer Links | After Click on Messanger link, Check Page is Redirected to Messanger Page or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Sign up for facebook 3. Click on Messanger link |  | Page should be Redirected to Messanger Page | As per Expected Result | PASS |
| 28 | 112 | Check Footer Links | After Click on Facebook Lite link, Check Page is Redirected to Facebook Liter Page or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Sign up for facebook 3. Click on Facebook Lite link |  | Page should be Redirected to Facebook Lite Page | As per Expected Result | PASS |
| 29 | 112 | Check Footer Links | After Click on Watch link, Check Page is Redirected to Watch Page or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Sign up for facebook 3. Click on Watch link |  | Page should be Redirected to watch Page | As per Expected Result | PASS |
| 30 | 112 | Check Footer Links | After Click on Places link, Check Page is Redirected to Places Page or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Sign up for facebook 3. Click on Places link |  | Page should be Redirected to Places Page | As per Expected Result | PASS |
| 31 | 112 | Check Footer Links | After Click on Games link, Check Page is Redirected to Games Page or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Sign up for facebook 3. Click on Games link |  | Page should be Redirected to Games Page | As per Expected Result | PASS |
| 32 | 112 | Check Footer Links | After Click on Marketplace link, Check Page is Redirected to Marketplace Page or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Sign up for facebook 3. Click on Marketplace link |  | Page should be Redirected to Marketplace Page | As per Expected Result | PASS |
| 33 | 112 | Check Footer Links | After Click on Meta Play link, Check Page is Redirected to Meta Play Page or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Sign up for facebook 3. Click on Meta Play link |  | Page should be Redirected to Meta Play Page | As per Expected Result | PASS |
| 34 | 112 | Check Footer Links | After Click on Oculus link, Check Page is Redirected to Oculus Page or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Sign up for facebook 3. Click on Oculus link |  | Page should be Redirected to Oculus Page | As per Expected Result | PASS |
| 35 | 112 | Check Footer Links | After Click on Portal link, Check Page is Redirected to Portal Page or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Sign up for facebook 3. Click on Portal link |  | Page should be Redirected to Portal Page | As per Expected Result | PASS |
| 36 | 112 | Check Footer Links | After Click on Instagram link, Check Page is Redirected to Instagram Page or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Sign up for facebook 3. Click on Instagram link |  | Page should be Redirected to Instagram Page | As per Expected Result | PASS |
| 37 | 112 | Check Footer Links | After Click on Bulletin link, Check Page is Redirected to Bulletin Page or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Sign up for facebook 3. Click on Bulletin link |  | Page should be Redirected to Bulletin Page | As per Expected Result | PASS |
| 38 | 112 | Check Footer Links | After Click on Fundraisers link, Check Page is Redirected to Fundraisers Page or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Sign up for facebook 3. Click on Fundraisers link |  | Page should be Redirected to Fundraisers Page | As per Expected Result | PASS |
| 39 | 112 | Check Footer Links | After Click on Services link, Check Page is Redirected to Services Page or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Sign up for facebook 3. Click on Services link |  | Page should be Redirected to Services Page | As per Expected Result | PASS |
| 40 | 112 | Check Footer Links | After Click on Voting Information Center link, Check Page is Redirected to Voting Information Center Page or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Sign up for facebook 3. Click on Voting Information Center link |  | Page should be Redirected to Services Page | As per Expected Result | PASS |
| 41 | 112 | Check Footer Links | After Click on Privacy policy link, Check Page is Redirected to Privacy policy Page or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Sign up for facebook 3. Click on Privacy policy link |  | Page should be Redirected to privacy Policy Page | As per Expected Result | PASS |
| 42 | 112 | Check Footer Links | After Click on Privacy Center link, Check Page is Redirected to Privacy Center Page or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Sign up for facebook 3. Click on Privacy Center link |  | Page should be Redirected to privacy center Page | As per Expected Result | PASS |
| 43 | 112 | Check Footer Links | After Click on Groups link, Check Page is Redirected to Groups Page or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Sign up for facebook 3. Click on Groups link |  | Page should be Redirected to groups Page | As per Expected Result | PASS |
| 44 | 112 | Check Footer Links | After Click on about link, Check Page is Redirected to about Page or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Sign up for facebook 3. Click on about link |  | Page should be Redirected to about Page | As per Expected Result | PASS |
| 45 | 112 | Check Footer Links | After Click on Create Ad link, Check Page is Redirected to Create Ad Page or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Sign up for facebook 3. Click on Create Ad link |  | Page should be Redirected to Create Ad Page | As per Expected Result | PASS |
| 46 | 112 | Check Footer Links | After Click on Create Page link, Check Page is Redirected to Create Page Page or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Sign up for facebook 3. Click on Create Page link |  | Page should be Redirected to Create Page Page | As per Expected Result | PASS |
| 47 | 112 | Check Footer Links | After Click on Developers link, Check Page is Redirected to Developers Page or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Sign up for facebook 3. Click on Developers link |  | Page should be Redirected to Developers Page | As per Expected Result | PASS |
| 48 | 112 | Check Footer Links | After Click on Careers link, Check Page is Redirected to Careers Page or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Sign up for facebook 3. Click on Careers link |  | Page should be Redirected to Careers Page | As per Expected Result | PASS |
| 49 | 112 | Check Footer Links | After Click on Cookies link, Check Page is Redirected to Cookies Page or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Sign up for facebook 3. Click on Cookies link |  | Page should be Redirected to Cookies Page | As per Expected Result | PASS |
| 50 | 112 | Check Footer Links | After Click on Adchoices link, Check Page is Redirected to Adchoices Page or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Sign up for facebook 3. Click on Adchoices link |  | Page should be Redirected to Adchoices Page | As per Expected Result | PASS |
| 51 | 112 | Check Footer Links | After Click on terms link, Check Page is Redirected to terms Page or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Sign up for facebook 3. Click on terms link |  | Page should be Redirected to terms Page | As per Expected Result | PASS |
| 52 | 112 | Check Footer Links | After Click on Help link, Check Page is Redirected to Help Page or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Sign up for facebook 3. Click on Help link |  | Page should be Redirected to Help Page | As per Expected Result | PASS |
| 53 | 112 | Check Footer Links | After Click on Contact uploading and non-users link, Check Page is Redirected to Contact uploading and non-users Page or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Sign up for facebook 3. Click on Contact uploading and non-users link |  | Page should be Redirected to Contact uploading and non-users Page | As per Expected Result | PASS |

* INSTAGRAM HLR

|  |  |  |
| --- | --- | --- |
| **Instagram - Login Page** | | |
| **Functionality ID** | **Functionality Name** | **Description** |
| 0 | Check Website Link (URL) | It opens Proper Website |
| 101 | Check Phone Number, User Name or email | This Field should be Writable and it works Properly |
| 102 | Check Password | This Field should be Writable and it works Properly |
| 103 | Check Check Box of Save Login Info | It should be Selected and it works Properly |
| 104 | Check Hover Effect of Login Button | When we Put Cursor on Login Button, it should be Hghlighted and it works Properly |
| 105 | Check Click of Login Button | When we Click on Login button, it should be Clickable and it works Properly |
| 106 | Check Login with Facebook | When we Click on Login with Facebook, the Page should be redirected to Login to facebook Page and it works Properly |
| 107 | Check Forgot Paasword | When we Click on Forgot Password, the Page should be Redirected to Troulbe Logging in ? Page and it works Properly |
| 108 | Check Sign Up | When we Click on Sign Up, the Page should be redirected to Sign Up page and it works Properly |
| 109 | Check Get it on google Play | When we Click on it, it should be Redirected to Google Play Page and it works properly |
| 110 | Check Get it from Microsoft | When we Click on it, it should be Redirected to Microsoft Store and it works properly |
| 111 | Check Footer Link | When we Click on it, it should be Redirected to Link Information Page and it works properly |

* INSTAGRAM TESTCASE

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Instagram - Login Page** | | | | | | | | | |
| **Testcase ID** | **Functionality ID** | **TestCase Name** | **Test Summary** | **Pre - Condition** | **Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status** |
| 0 | 1 | Check Website Link (URL) | After entering URL, Check Website is opened properly or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar | URL : https://www.instagram.com/accounts/login/ | The Website should be Opened Properly | As per Expected Result | PASS |
| 1 | 101 | Check Phone Number, User Name or email | Check Field is Writable or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Click on Phone Number, User Name or email | User Name : palak.kothariii | This Field should be Writable | As per Expected Result | PASS |
| 2 | 102 | Check Password | Check Field is Writable or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Click on Password | Password : marezu@123 | This Field should be Writable and it works Properly | As per Expected Result | PASS |
| 3 | 103 | Check Check Box of Save Login Info | Check Check Box is Selected or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Click on Save Login Info |  | It should be Selected when we Click on it | As per Expected Result | PASS |
| 4 | 104 | Check Hover Effect of Login Button | When we Put Cursor on Login Button. Check it is Highlighted or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Put Cursor on Login Button |  | When we Put Cursor on Login Button, it should be Hghlighted | As per Expected Result | PASS |
| 5 | 105 | Check Click of Login Button | When we Click on login Button, Check it is Clickable or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Click on Login Button |  | When we Click on Login button, it should be Clickable | As per Expected Result | PASS |
| 6 | 105 | Check Click of Login Button | After enter wrong details, Check Alert Message is appeared or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Click on Login Button |  | After enter wrong details, Alert Message should be appeared | As per Expected Result | PASS |
| 7 | 105 | Check Responsive UI | Check It's compatible with other Device or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Open in Different Mobile | Dimensions : Pixel 5 | If we Check in Different devices, Alignment and all features should not be changed | As per Expected Result | PASS |
| 8 | 105 | Check Click of Login Button | If any Field is empty, check Login is done successfully or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Click on Login with Facebook |  | If any field is empty, Login Button should not be Clickable to Login | As per Expected Result | PASS |
| 9 | 106 | Check Login with Facebook | After Click on Login with facebook, Check login is done Successfully or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Click on Login with Facebook |  | After Click on Login with facebook and enter right details, login should be done Successfully | As per Expected Result | PASS |
| 10 | 107 | Check Forgot Paasword | After Click on Forgot Password, Check Page is Redirected to trouble Logging Page or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Click on Forgot Password |  | When we Click on Forgot Password, the Page should be Redirected to Troulbe Logging in ? Page | As per Expected Result | PASS |
| 11 | 107 | Check Forgot Paasword | After Click on Forgot Password, Check Login Link is appeared or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Click on Forgot Password |  | After Click on Forgot Password, Login Link should be appeared | As per Expected Result | PASS |
| 12 | 108 | Check Sign Up | After Click on Sign Up, Check the page is redirected to Sign Up Page or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Click on Sign Up |  | When we Click on Sign Up, the Page should be redirected to Sign Up page | As per Expected Result | PASS |
| 13 | 109 | Check Get it on Google Play | After Click on Google Play, Check the page is redirected to Google Play Page or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Click on Get it on Google Play |  | When we Click on it, it should be Redirected to Google Play Page | As per Expected Result | PASS |
| 14 | 110 | Check Get it from Microsoft | After Click on Microsoft, Check the page is redirected to Microsoft Store Page or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Click on Get it from Microsoft |  | When we Click on it, it should be Redirected to Microsoft Store | As per Expected Result | PASS |
| 15 | 111 | Check Footer Link | After Click on Meta Link, Check the page is redirected to Meta Link Page or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Click on Meta Link |  | When we Click on it, it should be Redirected to Meta Link Page | As per Expected Result | PASS |
| 16 | 111 | Check Footer Link | After Click on About Link, Check the page is redirected to About Page or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Click on About Link |  | When we Click on it, it should be Redirected to About Link Page | As per Expected Result | PASS |
| 17 | 111 | Check Footer Link | After Click on Blog Link, Check the page is redirected to Blog Page or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Click on Blog Link |  | When we Click on it, it should be Redirected to Blog Link Page | As per Expected Result | PASS |
| 18 | 111 | Check Footer Link | After Click on Jobs Link, Check the page is redirected to Jobs Page or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Click on Jobs Link |  | When we Click on it, it should be Redirected to Jobs Link Page | As per Expected Result | PASS |
| 19 | 111 | Check Footer Link | After Click on  Help Link, Check the page is redirected to  Help Page or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Click on Help Link |  | When we Click on it, it should be Redirected to  Help Link Page | As per Expected Result | PASS |
| 20 | 111 | Check Footer Link | After Click on API Link, Check the page is redirected to API Page or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Click on API Link |  | When we Click on it, it should be Redirected to API Link Page | As per Expected Result | PASS |
| 21 | 111 | Check Footer Link | After Click on Privacy Link, Check the page is redirected to Privacy Page or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Click on Privacy Link |  | When we Click on it, it should be Redirected to Privacy Link Page | As per Expected Result | PASS |
| 22 | 111 | Check Footer Link | After Click on Terms Link, Check the page is redirected to Terms Page or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Click on Terms Link |  | When we Click on it, it should be Redirected to Terms Link Page | As per Expected Result | PASS |
| 23 | 111 | Check Footer Link | After Click on Meta Link, Check the page is redirected to Meta Page or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Click on Meta Link |  | When we Click on it, it should be Redirected to Meta Link Page | As per Expected Result | PASS |
| 24 | 111 | Check Footer Link | After Click on Top Accounts Link, Check the page is redirected to Top Accounts Page or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Click on Top Accounts Link |  | When we Click on it, it should be Redirected to Top Accounts Link Page | As per Expected Result | PASS |
| 25 | 111 | Check Footer Link | After Click on Locations Link, Check the page is redirected to Locations Page or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Click on Locations Link |  | When we Click on it, it should be Redirected to Locations Link Page | As per Expected Result | PASS |
| 26 | 111 | Check Footer Link | After Click on Instagram Lite Link, Check the page is redirected to Instagram Lite Page or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Click on Instagram Lite Link |  | When we Click on it, it should be Redirected to Instagram Lite Link Page | As per Expected Result | PASS |
| 27 | 111 | Check Footer Link | After Click on Contact Uploading & Non-Users Link, Check the page is redirected to Contact Uploading & Non-Users Page or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Click on Contact Uploading & Non-Users Link |  | When we Click on it, it should be Redirected to Contact Uploading & Non-Users Link Page | As per Expected Result | PASS |
| 28 | 111 | Check Footer Link | After Click on Meta Verified Link, Check the page is redirected to Meta Verified Page or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Click on Meta Verified Link |  | When we Click on it, it should be Redirected to Meta Verified Link Page | As per Expected Result | PASS |
| 29 | 111 | Check Footer Link | After Click on Language, Check Selection of Language is done or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Click on Language |  | When we Select any Language, Specific Language should be doneSuccessfully | As per Expected Result | PASS |

Q51 To create scenario(positive and Negative)

* Gmail (receiving mail)

|  |  |  |
| --- | --- | --- |
| **Sr. No.** | **Positive Scenarios** | **Negative Scenarios** |
| 1 | Verify that all the read and unread emails are displayed in the inbox | verify that more than 25 MB file successfully send to user or not |
| 2 | Verify that the content of the email is displayed correctly without any formatting issues. | verify that more than 50 mails delete successfully or not at a time |
| 3 | Verify that the attachments can be downloaded as a single zip file. | verify that more than 50 mails show in one page or not |
| 4 | Verify that the attachments can be downloaded individually. | verify that user select less than 50 mails the number of selected mails shown or not |
| 5 | Verify that all the read emails are not highlighted. | in case of delete of marked mail as a starred it asking for cofirmation or not |

Q52 on line shopping to buy product(flipkart)

|  |  |  |
| --- | --- | --- |
| **Sr. No.** | **Positive Scenarios** | **Negative Scenarios** |
| 1 | Verify that user click on T&C it show properly or not | Verify that more than 6 digit work or not in pincode |
| 2 | Verify that click on price about user can see the all price or not | Verify that alphabets work in pincode or not |
| 3 | Verify that click on know more option user can see more information or not | Verify that special characters work in pincode or not |
| 4 | Verify that click on view plans option user can see EMI option proper or not | Verify that offers readable proper or not |
| 5 | verify that click on buy now button after login it works perfectly or not | Verifty that price tag visible or not |
| 6 | Verify that product photo show as per discription or not | Verify that after discount price show actual price or not |
| 7 | Verify that all offer visible properly or not | Verify that without login user can buy product or not |
| 8 | Verify that user click on view more offer option user can see all hide offers in offer list or not | Verify that out of stock product user can add to cart or not |
| 9 | Verify that user click on pincode view detail user can see all details about address or not | Verify that click on buy button without enter pincode it works properly or not |

Q53 write a scenario of whats app(Group generate)

|  |  |  |
| --- | --- | --- |
| **Sr. No.** | **Positive Scenarios** | **Negative Scenarios** |
| 1 | Verify that group admin add only one member it create or not | Verify that add members more than 1023 it create or not |
| 2 | Verify that group admin add maximum member it create or not | verify that create group without selecting member it create or not |
| 3 | Verify that admin search member name from search bar or not | verify that same group name with same group admin it create or not |
| 4 | Verify that admin add member which is not save in phone it add or not | verify that group admin select his own number as a member it add or not |

Q54 write a scenario of whats app payment

|  |  |  |
| --- | --- | --- |
| **Sr. No.** | **Positive Scenarios** | **Negative Scenarios** |
| 1 | verify that user click on payment option it's open properly or not | Verify that user wants to send money while his account has not enough money it works or not |
| 2 | verify that user click on payment option from group it open members list or not | verify that user wants to send money but money limit is over. it working properly or not |
| 3 | verify that while user not add any bank and he wants to send me he can send invitations or not | verify that user try send money with 0 value it works or not |
| 4 | verify that user want to pay a bill by scanner it works or not |  |
| 5 | verify that user scan QR from gallary it works or not |  |

Q55 To create HLR and TESTCASE

* ART OF TESTING HLR

|  |  |  |
| --- | --- | --- |
| **Functionality ID** | **Functionality Name** | **Description** |
| 0 | Check Website Link (URL) | It opens Proper Website |
| 101 | Check hover Effect of Submit Button | When we Put Cursor on Submit Button, it should be highlighted and it workd properly |
| 102 | Check Click of Submit button | When we Click on Button, it should be Clickable and it works properly |
| 103 | Check First Name | It should be Writable and it works properly |
| 104 | Check Last Name | It should be Writable and it works properly |
| 105 | Check Email | Email should have validations |
| 106 | Check Subject | It should be Writable and it works properly |
| 107 | Check Comment or Message | It should be Writable and it works properly |
| 108 | Check Inreament and decreament of Message Box | Box size should be increased or Decreased |

* TEST CASE

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Art of Testing - Contact Us Page** | | | | | | | | | |
| **Testcase ID** | **Functionality ID** | **TestCase Name** | **Test Summary** | **Pre - Condition** | **Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status** |
| 0 | 0 | Check Website Link (URL) | After entering URL, Check Website is opened properly or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar | [URL : https://artoftesting.com/contact-us](https://artoftesting.com/contact-us) | The Website should be Opened Properly | As per Expected Result | PASS |
| 1 | 0 | Check Website Link (URL) | Check It's compatible with other Device or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Open in Different Mobile | Dimensions : Pixel 5 | If we Check in Different devices, Alignment and all features should not be changed | In Pixel 5 Device, All Allignment are changed | FAIL |
| 2 | 101 | Check hover Effect of Submit Button | After Put Cursor on Submit button, Check it is highlighted or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Put Cursor on Submit button |  | When we Put Cursor on Submit Button, it should be highlighted | As per Expected Result | PASS |
| 3 | 102 | Check Click of Submit button | Check Submit button is Clickable or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Click on Submit button |  | When we Click on Button, it should be Clickable and it works properly | As per Expected Result | PASS |
| 4 | 102 | Check Click of Submit button | If all fields are empty, check submission is done or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Click on Submit button | First : Last : Email : Subject : Message : | If all fields are empty, submission should not be done | As per Expected Result | PASS |
| 5 | 102 | Check Click of Submit button | If any fields are empty, check submission is done or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Click on Submit button | First : Jay Last : Email : Subject : IT Message : ucshaci | If any fields are empty, submission should not be done | As per Expected Result | PASS |
| 6 | 102 | Check Click of Submit button | Check if any field is empty, Alert message is appeared or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Click on Submit button | First : Jay Last : Email : Subject : IT Message : ucshaci | if any fields are empty, Alert Message should be appeared | As per Expected Result | PASS |
| 7 | 103 | Check First Name | Check First name Field is writable or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Click on First Name | First : Jay | It should be Writable | As per Expected Result | PASS |
| 8 | 103 | Check First Name | Check First name Field has Validation or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Click on First Name | First : dkjvn cfkdsf dnskfkhdkvdh k | First name field should have validations or limitations | We can write anything | FAIL |
| 9 | 104 | Check Last Name | Check Last name Field is writable or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Click on Last Name | Last : Shukla | It should be Writable | As per Expected Result | PASS |
| 10 | 104 | Check Last Name | Check Last name Field has Validation or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Click on Last Name | Last : kasakc amcnkjcancknackjaca | Last name field should have validations or limitations | We can write anything | FAIL |
| 11 | 105 | Check Email | Check Email Field is writable or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Click on Email | Email : jayshuklajk@gmail.com | It should be Writable | As per Expected Result | PASS |
| 12 | 105 | Check Email | Check Email Field has Validation or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Click on Email | Email : a@qq.com | Email should have validations | We can write anything in email format option | FAIL |
| 13 | 106 | Check Subject | Check Subject field is writable or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Click on Subject |  | It should be Writable | As per Expected Result | PASS |
| 14 | 106 | Check Subject | Check Subject field has Hint List or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Click on Subject |  | Subject field should have hint list | We can write anything | FAIL |
| 15 | 107 | Check Comment or Message | Check Comment or Message field is writable or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Click on Comment/Message |  | It should be Writable | As per Expected Result | PASS |
| 16 | 108 | Check Inreament and decreament of Message Box | Check box is increasing or Decreasing or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Click on Comment/Message |  | Box size should be increased or Decreased | As per Expected Result | PASS |

Q56 To create HLR and TESTCASE of WHATS APP WEB

* HLR of WHATS APP WEB

|  |  |  |
| --- | --- | --- |
| **Functionality ID** | **Functionality Name** | **Description** |
| 0 | Check Website Link (URL) | It opens Proper Website |
| 101 | Check QR Code Scanning | When we Scan QR Code, page should be redirected to Whatsapp Page and it works Properly |
| 102 | Check Need help to get Started ? Option | When we Click on it, page should be redirected to Tutorial Page and it works Properly |
| 103 | Check Tutorial Video | When we click on it, The video should be played properly and it works properly |

* TESTCASE of WHATS APP WEB

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Whatsapp Web** | | | | | | | | | |
| **Testcase ID** | **Functionality ID** | **TestCase Name** | **Test Summary** | **Pre - Condition** | **Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status** |
| 0 | 1 | Check Website Link (URL) | After entering URL, Check Website is opened properly or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar | URL : https://web.whatsapp.com/ | The Website should be Opened Properly | As per Expected Result | PASS |
| 1 | 101 | Check QR Code Scanning | After Scan QR Code, Check page is redirected to Whatsapp Page or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Scan QR Code |  | When we Scan QR Code, page should be redirected to Whatsapp Page | As per Expected Result | PASS |
| 2 | 101 | Check QR Code Scanning | Check Login is done properly or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Link a Device |  | After QR Scan from device, Specific Device should be Loged in | As per Expected Result | PASS |
| 3 | 101 | Check QR Code Scanning | Check log Out is working Properly or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Click on Log Out |  | After Click on Log Out, Log Out the Device should be done | As per Expected Result | PASS |
| 4 | 102 | Check Need help to get Started ? Option | After Click on it, Check Page is redirected to Tutorial Page or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Click on Need help to get Started ? |  | When we Click on it, page should be redirected to Tutorial Page | As per Expected Result | PASS |
| 5 | 103 | Check Tutorial Video | After Click on video Play button, Check Video is played or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Play Video |  | When we click on it, The video should be played properly | As per Expected Result | PASS |
| 6 | 103 | Check Tutorial Video | After Click on Pause Button, Check Video is stoped wherever it is or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Play Video 3. Click on Pause button |  | After Click on Pause Button, Video should be stoped wherever it is | As per Expected Result | PASS |
| 7 | 103 | Check Tutorial Video | After Click on Speaker, Check Video is Mute or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Play Video 3. Click on Speaker Symbol |  | After Click on Speaker, Video should be Mute | As per Expected Result | PASS |
| 8 | 103 | Check Tutorial Video | Check volume is increased/decreased or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Play Video 3. Click on Volume Symbol |  | By dragging Mouse, Volume should be increased or decreased | As per Expected Result | PASS |
| 9 | 103 | Check Tutorial Video | After Click on Full Screen Symbol, Check Full Screen is done or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Play Video 3. Click on Full Screen Symbol |  | After Click on Full Screen Symbol, Full Screen should be done | As per Expected Result | PASS |
| 10 | 103 | Check Tutorial Video | Check Alert message for Exit the Full Screen is working Properly or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Play Video 3. Click on Exit the full Screen |  | After Click on Exit full Screen, Screen should be changed to original screen | As per Expected Result | PASS |
| 11 | 103 | Check Tutorial Video | Check New Tab Aero Button is working Properly or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Play Video 3. Click on New Tab Aero Button |  | After Click on it, screen should be redirected to new tab | As per Expected Result | PASS |
| 12 | 103 | Check Tutorial Video | Check Close Sign is working or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Play Video 3. Click on Close Sign |  | After Click on Close sign, Video should be Closed | As per Expected Result | PASS |
| 13 | 103 | Check Tutorial Video | Check Video Play button in new tab is working or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Play Video 3. Check Video Play button in new tab |  | After Click on Play, Video should be started | As per Expected Result | PASS |
| 14 | 103 | Check Tutorial Video | Check Pause Button in new Tab is working Properly or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Play Video 3. Click on Pause Button in new Tab |  | After Click on Pause, video should be stopped | As per Expected Result | PASS |
| 15 | 103 | Check Tutorial Video | Check Mute option is working properly or not | Internet, Browser & Website in working condition | 1. Enter URL in Address Bar 2. Play Video 3. Click on Speaker Sign |  | After click on speaker, video should be mute | As per Expected Result | PASS |