**Software Testing Assignment**

**Module–2(Manual Testing)**

1. **What is Exploratory Testing?**

Exploratory Testing is a concurrent process where

* Test design, execution and logging happen simultaneously
* Testing is often not recorded
* Makes use of experience, heuristics and test patterns

1. **What is Tractability Matrix?**

To protect against changes you should be able to trace back from every system component to the original requirement that caused its presence.

1. **What is Boundary value testing?**

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

1. **What is Equivalence partitioning testing?**

Aim is to treat groups of inputs as equivalent and to select one representative input to test them all.

1. **What is Integration testing?**

1) Testing performed to expose defect in the interface and in the interaction between integrated components or system.

2) Integration Testing is a level of the software testing where individual unit are combined and tested as a group.

1. **What is Determines the level of risk?**

Risk: A factor that could result in future negative consequences, usually expressed as impact and likehood.

Types of risk:

1) Project Risk

2) Product Risk

1. **What is** **Component testing?**

Testing is performed to expose defect in the interface and interaction between integrated components.

1. **Mention what Big Bang testing is?**

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

1) Top down Approach

Testing takes place from top to bottom, following the control flow or architectural structure. Components or system are substituted by stubs.

2) Bottom up Approach:

Testing takes place from the bottom of the control flow upwards. Components or system are substituted by drivers.

3) Stub and Driver Approach:

Stub and Driver Approach are the dummy programs in integration testing used to facilitate the software testing activity.

Stub: is called by the module under test.

Driver: calls the module to be tested.

4) Continuous integration Approach:

Is software development method where team members integrate their work at least once a day.

1. **What is the Purpose of Exit Criteria?**

Exit criteria purpose is:

Run out of time?

Run out of budget?

The business tells you it went live last night!

Boss say stop?

All defect have been fixed?

1. **What is the Functional Testing?**

Testing based on an analysis of the specification of the functionality of component or system.

1. **What is the Non-Functional Testing?**

Testing is attribute of component or system that do not related to functionality.

1. **What is the Adhoc Testing?**

Adhoc testing is informal testing type with an aim to break the system.

Adhoc testing another name is ERROR GUESSING.

Types of testing:

1) Buddy Testing

2) Pair Testing

3) Monkey Testing:

Randomly test the product or application without test case with goal to break the system.

1. **What is the GUI Testing?**

Graphical User Interface (GUI) testing is the purpose of testing the system’s GUI of the system under test.

GUI testing involves checking the screens with the control like menus, button, icons, and all types of bar and tools bar, menu bar dialog boxes windows etc.

Three type of Approach:

1) Manual based testing

2) Record and replay

3) Model based testing

1. **What is the Load Testing?**

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

1. **What is the Stress Testing?**

System is stressed beyond its specifications to check how and when it fails. Performed under heavy load like putting larger number beyond storage capacity, complex database queries, continuous input to system or database load.

1. **What is the Alpha Testing?**

It is always performed by the developers at the software development site.

Sometimes it is also performed by Independent testing team.

Alpha testing is not to open the market and public.

It is conducted for software application and project.

It is always performed in virtual Environment.

It comes under the category of both white box testing and

Black box testing.

1. **What is the Beta Testing?**

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

It is not performed by independent testing team.

Beta testing is always open to the market and public.

It is usually conducted for software product.

It is performed in Real Time Environment.

It is only a kind of black box testing.

1. **What is White box testing and list the types of white box testing?**

Testing is based on an analysis of the internal structure of the component of system.

1) Branch condition Testing

2) Branch condition combination testing

3) Modified condition Decision testing

4) Dataflow testing

5) Linear code sequence and jump (LCSAJ) testing

1. **What is Black box testing? What are the different black box testing techniques?**

Testing, either functional or non-functional, without reference to the internal structure of the component or system.

Techniques of black box testing

1) Equivalence partitioning

2) Boundary value analysis

3) Decision tables

4) State transition testing

5) Use-case testing

6) Other black box testing

1) Syntax pattern testing

1. **Mention what are the categories of Defects?**

1) Data Quality/Database Defects

2) Critical Functionality defects

3) Functionality defects

4) Security defects

5) User Interface defects

1. **When should "Regression Testing" be performed?**

* When the system is stable and the system or the environment change.
* When testing bug fix releases as part of the maintenance phase
* It should be applied at all test levels.
* It should be considered complete when agreed completion criteria for regression testing have been met.

1. **Explain types of Performance testing.**

Types of performance testing.

1) Load Testing

2) Stress Testing

3) Volume Testing

4) Scalability Testing

5) Endurance Testing

6) Spike Testing

**Load Testing:**

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

* Load Testing another name is Volume testing & Scalability testing

**Stress Testing:**

System is stressed beyond its specifications to check how and when it fails. Performed under heavy load like putting larger number beyond storage capacity, complex database queries, continuous input to system or database load.

* Stress testing is also knows as endurance testing.

1. **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.

1. **Difference between QA v/s QC v/s Tester?**

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| **Quality Assurance(QA)** | **Quality Control(QC)** | **Tester** |
| Activities which ensure the implementation of process, procedures and standards in context to verification of developed software and intended requirement. | Activities which ensure the verification of developed software with respect to documented requirement. | Activities which ensure the identification of bug/error/defects in the software |
| Focuses on process and procedures rather than conducting actual testing on the system. | Focuses on actual testing by executing software with intend to identify bug/error 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. |

1. **Explain the Difference between Functional and Non-Functional testing?**

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| --- | --- |
| **Functional Testing** | **Non-functional Testing** |
| Testing is based on an analysis of the specification of the functionality of component or system. | Testing is attribute of the component or system that do not relate to functionality. |
| Functional testing is executed first. | Non-functional testing should be performed after functional testing. |
| Manual Testing or automation tools can be used for functional testing. | Using tools will be effective for this testing. |
| Business requirement are the inputs to functional testing | Performance parameters like speed, scalability are inputs to non-functional. |
| Functional testing describes what the product does | Non-functional testing describe how good product works |
| Easy to do manual testing | Tough to do manual testing |

1. **Difference between Smoke and Sanity testing?**

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| **Smoke Testing** | **Sanity Testing** |
| Smoke testing is performed after the software build to ascertain that the critical functionalities of the program is working fine. | After receiving a software build, with minor change in code, or functionality, Sanity performed to ascertain that the bugs have been fixed and no further issues are introduced due to these changes. |
| This testing is performed by the developer or tester. | This testing is usually performed by the tester. |
| Smoke testing is usually documented and scripted. | Sanity testing is usually not documented and unscripted. |
| Smoke testing exercises the entire system from end to end | Sanity testing exercises the particular component of the entire system. |
| Smoke testing is like General Health Check up | Sanity testing is like specialized health check up |

1. **Difference between Verification and validation?**

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| **Criteria** | **Verification** | **Validation** |
| Definition | The process of evaluating work-products 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 the development process to determine whether it specifies specified business requirement |
| Objective | To ensure that the product is being built according to the requirements and design specification. | To ensure that the product actually meets the users need and that the specification were correct in the first place. |
| Question | Are we building the product right? | Are we building the right product? |
| Evaluation items | Plans, requirement specs, design specs, code, test case | The actual product/software |
| Activities | Reviews, Walkthroughs, Inspections | Testing |

1. **When to used Usability Testing?**

Aesthetics and design are important. How well a product looks usually determines how well it works.

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

There are many software application / website, which miserably fail, once launched, due to following reasons-

* Where do I click next?
* Which page need to be navigated?
* Which Icon or Jorgen represents what?
* Error message are not consistent or effectively display
* Session time out sufficient

1. **What is the procedure for GUI Testing?**

Three type of Approach:

1) Manual based testing:

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

2) Record and replay:

GUI testing can be done using automation tools. This is done in 2 parts. During record, test steps are captured into the automation tool. During playback, the recorded test steps are executed on the application under test.

3) Model based testing:

A model is a graphical description of system behaviour. It helps us to understand and predict the system behaviour. Models help in a generation of efficient test cases using the system requirement.

1. **What is 7 key principles? Explain in detail?**

1) Testing shows presence of defect

2) Exhaustive testing is impossible

3) Early testing

4) Defect clustering

5) The pesticide paradox

6) Testing is context Dependent

7) Absence of Error Fallacy

1) Testing shows presence of defect:

Testing can show that defect are presents but cannot prove that there are no defect.

2) Exhaustive testing is impossible:

Testing everything including all combinations of input and preconditions is not possible. It is complex software application.

Requires enormous resource.

It is too expensive.

3) Early testing:

Testing activities should start as early as possible in the software or software development life cycle and should focused on defined objectives.

Defined objectives- outlined in the test strategy and remember our definition of testing.

4) Defect clustering:

Most defects found during pre-release testing are usually confined to small number of module.

Defects are not evenly spread in a system they are ‘clustered’.

5) The Pesticide paradox:

If some test are repeated over and over again and set of test case will no longer find any new defects.

It test case 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 defect.

6) Testing is context Dependent:

Testing is done differently in different domain.

Testing is basically context dependent.

7) Absence of Error Fallacy:

If system built is unusable and does not fulfil user needs and expectation then finding and fixing defect it does not make it’s a good system.

1. **What is Bug life cycle?**

New: When a new defect is logged and posted for the first time.

Assigned: Once the bug is posted by the tester, the lead of the tester approves the bug and assigns the bug to the developer team.

Open: The developer starts analyzing and works on the defect fix.

Fixed: when a developer makes a necessary code change and verifies the change he or she can make bug status as “fixed”.

Pending retest: once the defect is fixed the developer gives a particular code for retesting the code to the tester since the software testing remains pending from the testers end the status assigned is “pending retest”.

Retest: Tester does the restating of the code at this stage to check whether the defect is fixed by the developer or not and change the status to “re-test”.

Verified: The tester re-tests the bug after it got fixed by the developer. If there is no bug detected in the software, then the bug is fixed and the status assigned is “verified”.

Reopen: if the bug persist even after the developer has fixed the bug, the tester changes the status to “reopen”.

Closed: if the bug is no longer exists the tester assigns the status “closed”.

Duplicate: if the defect is repeated twice or the defect corresponds to the same concept of the bug, the status is changed to “duplicate”.

Rejected: if the developer feels the defect is not a genuine defect the it changes the defect to “rejected”.

Deferred: If the present bug is not of a prime priority and if it is expected to get fixed in the next release, then status “Deferred” is assigned to such bugs.

Not a bug: If it does not affect the functionality of the application then the status assigned to a bug is “Not a bug”.

1. **Difference between Priority and Severity?**

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| **Priority** | **Severity** |
| Severity is absolute and Customer-  Focused. It is the extent to which the  Defect can affect the software. In other words it defines the impact that a given defect has on the system. | Priority is Relative and Business-Focused. Priority defines the order in which we should resolve a defect. Should we fix it now, or can it wait? This priority status is set by the tester to the developer mentioning the time frame to fix the defect. If high priority is mentioned then the developer has to fix it at the earliest. The priority status is set based on the customer requirements. |
| For example: If an application or web page crashes when a remote link is clicked, in this case clicking the remote link by an user is rare but the impact of application crashing is severe. So the severity is high but priority is low. | For example: If the company name is  misspelled in the home page of the  website, then the priority is high and  Severity is low to fix it. |
| Types  Major  Moderator  Minor  Cosmetic | Types  Law medium  High  Critical |
| Category decided by testers. | Category decided by developers or product owners. |

1. **What is Priority?**

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

Test planning: A document describing the scope, approach, resources and schedule of intended test activities Determining the scope and risks, and identifying the objectives of testing.

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

1. **Difference between Test scenario, Test case, Test script?**

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| Test Scenario | Test Case | Test Script |
| A Scenario is any functionality that can be tested. It is also called Test Condition, or Test Possibility. | Test cases involve the set of steps, conditions and inputs which can be used while performing the testing tasks. | A set of sequential instruction that detail how to execute a core business function |
| 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. |
| Is derived from test like Business Requirement Specification (BRS) and Software Requirement Specification (SRS). | Is mostly derived from test scenarios. | Is mostly derived from test cases. |
| Helps test the end-to-end functionality in an Agile way | Helps in exhaustive testing of an app | Helps to test specific things repeatedly |
| Includes an end-to-end functionality to be tested. | Includes test steps, data, expected results for testing. | Includes different commands to develop a script. |

1. **Difference between 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. |
| In STLC, less number of members (testers) are needed. | In SDLC, more number of members (developers) are required for the whole process. |
| STLC phases are performed after SDLC phases. | SDLC phases are completed before the STLC phases. |
| STLC Phases  Requirement Analysis  Test Planning  Test case development  Test Environment setup  Test Execution  Test Cycle closure | SDLC Phase:  Requirements Collection/Gathering  Analysis  Design  Implementation  Testing  Maintenance |

1. **Write a Scenario of Pen**

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| --- | --- | --- |
| **Test Scenario Id** | **Test Scenario Positive** | **Test Scenario Negative** |
| 1 | Verify the types of the pen which is gel pen , ink pen ,ball pen etc. | verify if the pen grip is missing so I can not hold the pen properly |
| 2 | verify to write on the different paper its write properly | verify if the pen grip is broken then the grip is surrounding in the pen |
| 3 | Verify the diameter of the pen. | verify if the pen grip is missing so pen cap is can not close properly |
| 4 | verify the colour material of the pen whether it is plastic , fibre , metal etc. | verify if the pen cap is missing so link is dry |
| 5 | Verify the height of the pen either it id suitable for writing. | verify if the pen cap is missing so I cannot put on my pocket |
| 6 | verify the weight of the pen whether it is suitable for holding the pen | verify if pen is break I cannot write |
| 7 | verify that the name and logo of the company creating the pen should be Cleary visible | verify if pen in back cap is not pen refill outcome |
| 8 | verify the colour of the pen ink | verify if thick pen use cannot written to long time |
| 9 | verify the pen has cap or not | verify if pen grip is hard can not written smoothly |
| 10 | Verify the refile types | verify if gel pen , link pen to written this pen is water proof or not |
| 11 | verify the ball pen point | verify if pen refill change in different pen it will be sometime problem |
| 12 | verify the point that the signature does not stop in between and an asterisk is written | verify if marker pen to written so back page not to write |
| 13 | Verify that the text written by the pen is weather proof or not . | verify if tick tuck pen in I can write this pen make some sound |
| 14 | verify the grip fitting is fine | verify if pen name is not visible properly I can not buy this pen |
| 15 | verify the pen will work with only one type of refill or any other | verify if pen in ballpoint are broken ink is overflow |
| 16 | Verify the pen whether or not the refill can be changed comfortably in the pen. | verify if pen in outercap is not I can not write in only refill |
| 17 |  | verify if ink pen nib are broken pen is overflow |
| 18 |  | verify if tick tock pen in push button are stuck I can not to use properly |
| 19 |  | verify if pen in not enough grip between the rubber parts can not hold properly |
| 20 |  | verify if pen in not to refill can not write |

1. **Write a Scenario of Door**

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| --- | --- | --- |
| **Test Scenario Id** | **Test Scenario Positive** | **Test Scenario Negative** |
| 1 | Very the type of door like single, double and folded. | verify It must be strong , otherwise its broken. |
| 2 | Verify the door open inword and outwards | Verify if digital locking system not working so we can't open the door |
| 3 | Verify the door dimension as per requirement | verify if the door close and open it can create noise is irrupted |
| 4 | Verify the door material weather wooden, iron fiber. | verify if the door in the not proper oiling there are not proper working |
| 5 | Verify hight of door is proper or not | verify if door size is not proper so enter dust in it |
| 6 | Verify the width of the door is proper or not | Verify if biometric system not working so we can't open the door. |
| 7 | Verify the colour of door is specified | verify the wooden door is swelled in rainy season so sometime door stuck |
| 8 | Verify the quality of hinges of the door | verify if door is not proper fit in handle so can open and close |
| 9 | Verify the position of hinges of the door | verify if the grill door in well is not proper work than so can not proper close |
| 10 | Verify the strength of hinges of the door. | verify if the glass door in push and pull sticker missing so can not getting the how to door pull |
| 11 | Verify the types of lock weather its. Simple, digital, bio metric | verify if the door fitting is not propely in fall down door and create injury |
| 12 | Verify that the door have both side locking | verify if the door rubber stand are missing so can not proper stable in it |
| 13 | Verify the amount of force required to open and close then door. | verify if the door are open and close sometimes are scratches |
| 14 | Verify that the door have stopper or not | verify if the automatic door is very close is high speed so create injury |
| 15 | Verify that the door have a spring or not to automatic closing the door. | verify if the door are huck is missing than not proper close in door |
| 16 | Verify that door have sticky system of wall. | verify if the design door is cleaning is very hard |
| 17 | Verify that the door have a bottom side stopping system for keeping. | verify if door in not to handle people can not open the door |
| 18 | Verify that the wooden door has polished perfect or not. | verify if automatic door in spring are not work door is too hard to open |
| 19 | Verify that the metal door is properly finished | verify if mirror door its not fit properly some time break the glass |
| 20 | Verify that the painting, design on door. | verify if door in not to stopper people can not close the door |

1. **Write a Scenario of ATM**

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| --- | --- | --- |
| **Test Scenario Id** | **Test Scenario Positive** | **Test Scenario Negative** |
| 1 | Verify the type of atm machine weather its touch screen or keypad. | if the size of the button is small it will not be able to be pressed |
| 2 | Verify that the atm machine properly inserting a valid card or not | if the lock of the ATM machine gets damaged no more money can be put in side |
| 3 | Verify the atm machine accepted different banking card or not. | if the ATM machine keypad is not hidden than any people show in password |
| 4 | Verify that the atm machine connected with the cable. If the card is not inserted that is no option for continue. | Its ATM machine display not proper working so can properly show information |
| 5 | Verify that the button of atm working properly or not to this time | if the display brightness of the ATM is low so it will not look the properly |
| 6 | Verify that the touch of atm machine working smooth or not | if the ATM machine display is brightness is high so people eyes will be drawn. |
| 7 | Verify there is option of choosing different language icon properly show on the display. | if the ATM machine display break so can injury |
| 8 | Verify that them in limit number of attempt to enter the number | if the exit & enter button in the ATM machine is not working in the same manner then further processing will not take place. |
| 9 | Verify that check the pin is displayed in masked from | if the ATM machine is missing money so can problem are create. |
| 10 | Verify that the user is attend to enter different account type opting like saving of current account. | if ATM machine display ios small the proper will not to be visible |
| 11 | Verify that the war is asked to enter different option it withdraw check balance or mini statement | if the half process completed than display are close and not proper detail show so create are problem |
| 12 | Check that the user get same number of amount | if the ATM machine height is long short person can not easy use of ATM machine. |
| 13 | Check that the user can not withdraw more amount than the total amount available balance and a proper massage should be display | if ATM machine body iron so can rust. |
| 14 | Verify that the user session timeout is maintained | If the ATM machine button are not proper work so can people problem. |
| 15 | Verify that the user provided the option to get the transaction details in printed form | if the not suggestion sticker in ATM than public are confuse. |
| 16 | Check that the user is not allowed to exceed one transaction limit amount. | if the ATM in cctv not proper working than chance is the theft. |
| 17 | Verify that the user is allowed to do only one transaction per pin request. | if the ATM cancel button is green & close button colour is red than any people are very confused. |
| 18 | Check that in case the atm machine unse out of money a proper massage is display to the user. | if the ATM card scanner is otp proper work so can people not proper sure information. |
| 19 | Check that the user is not allowed to proceed with the expire atm card and that a proper error massage gets displays. | if ATM machine button on not proper saw digits, and pattern so can people are confuses. |
| 20 |  | if the place to insert the card in the ATM is not proper , the card cannot enter, |

1. **Write a Scenario of Microwave oven**

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| --- | --- | --- |
| **Test Scenario Id** | **Test Scenario Positive** | **Test Scenario Negative** |
| 1 | Verify the dimension of the oven as per the requirement | verify if the oven does not part in between more things cannot be same heated at the time same time |
| 2 | Verify the oven material is good quality | verify if the size of the oven is small it will not be able to heat many things at the same time |
| 3 | Verify that the oven heat food properly verify that the oven head food with in specified time. | Verify the oven machine not heating food properly due less power supply |
| 4 | Verify the oven functioning at maximum temperature available are not | verify if the oven is front side fibre is break down so can create injury |
| 5 | Verify that the plate speed of the oven in optimal and not to high to spill the food kept over it. | Verify if the oven door handle is break dose so cannot proper door open. |
| 6 | Verify the oven door closed properly | Verify the oven Sometime the oven is not spin properly due to motor issue or power issue |
| 7 | Verify that oven door opened properly | verify if the button are not proper work than not proper work in it |
| 8 | Verify that the weight of the oven as per specification. | verify if the sensor does not work if it catches too many hits the food inside will burn |
| 9 | Verify that the digital display is properly displayed or not | verify if the oven door is not proper close so cannot proper work in it |
| 10 | Verify the battery requirement of the microwave oven. | verify if the oven inside still net so can cleaning the inside of the oven is difficult |
| 11 | Verify the text written on the oven is properly displayed or not | verify if the all functionality of oven work properly or not |
| 12 | Verify that the temperature regulator is working smoothly or not | verify if the oven sensor is not proper work so can create problem |
| 13 | Verify the power cord of oven is long enough | verify if there is no glass in the oven door the process inside will not be know. |
| 14 | Verify the oven functionality with different kind of food with different temp. | Verify if the light off in the oven the process will stop there. |
| 15 | Verify the company logo on the oven is proper or not | verify the oven smell is very badly due to food can burn and produce smell |
| 16 | Verify the all button of the oven is properly work or not | verify if the written text on oven cannot display properly because poor quality. |
| 17 | Verify the weight of the oven is as per the requirement | verify the weight of oven is per as requirement |
| 18 | Verify the cable of oven is properly or not | verify the oven. There is a problem in cleaning the inside of the oven machine. |
| 19 | Verify the sensor is working properly or not | verify if the oven regulator is not proper work so cannot proper it work |
| 20 |  | verify if the oven plate in after long time rust so cannot proper use |

1. **Write a Scenario of Chair**

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| --- | --- | --- |
| **Test Scenario Id** | **Test Scenario Positive** | **Test Scenario Negative** |
| 1 | Verify that the material used in making the chair-wood, plastic etc. | verify if chair in no arm hand people can not put hand |
| 2 | Verify that the chair leg are level to the floor. | verify if chair in only stand no any set can't use it |
| 3 | Check the usability of the chair as an office chair, normal house hold chair. | verify if chair no back seater can't set long time |
| 4 | Verify that the chair is stable enough to take an average human load. | verify if chair in sometime break stand people are injured |
| 5 | Check if there is back support in the chair | verify if chair in pull and push switch are not to work they can't up and down |
| 6 | Verify the paint type and colour quality is perfectly | verify if wheel chair in not to wheel cannot set |
| 7 | Verify if the chair's material is brittle or not. | verify if chair has wheel in sometime one wheel are break cannot move chair |
| 8 | Check if cousin is provided with chair or not. | verify if plastic chair material are not good they sometime break |
| 9 | Verify the condition when washed with water or effect of water on chair. | verify if chair wheel in not to rubber cap they can scratches |
| 10 | Verify the the dimension of chair is as per the specifications. | verify if chair has wheel is move to any place they can make noise |
| 11 | Verify that the weight of the chair is as per the specification. | verify if automatic wheel chair in button are not working handicap people are not to moving |
| 12 | Check if the height of the chair seat from floor. | verify if chair in heavy person are sit sometime break down |
| 13 | verify the up down handle is proper work in up down | verify if people can sit comfortably on a chair or not |
| 14 | verify chair height for backside . | verify if sitting space in heavy person can sit properly or not |
| 15 | verify the chair sitting area is comfortable | verify if the back side of the chair is high so it cannot be seen properly |
| 16 | verify the rotate chair wheel is proper movable | verify if chair is on rough surfaces can not set |
| 17 | verify the chair leg is proper level | verify if chair has wheel that you can move the chair easily or not |
| 18 | verify the hand space is proper than comfortable | verify if iron chair in rust sometime get skin problem |
| 19 | verify the berring is properly work rotate is properly | verify if all leg are equal or not in chair |
| 20 | verify the chair usability of the chair as office chair normal household chair | verify if winter season in sometime wooden chair are swells or not |

1. **Write a Scenario of Lift**

|  |  |  |
| --- | --- | --- |
| **Test Scenario Id** | **Test Scenario Positive** | **Test Scenario Negative** |
| 1 | Verify the dimensions of the lift. | verify if lift in not to button are fix you not to use lift |
| 2 | Verify the type of door of the lift is as per the specification. | verify if lift in no door people can not to use |
| 3 | Verify the type of metal used in the lift interior and exterior. | verify if lift in some button are not work can not to going this floor |
| 4 | Verify the capacity of the lift in terms of the total weight. | verify if sometime lift is overload are you stuck in lift |
| 5 | Verify the buttons in the lift to close and open the door and numbers as per the number of floors. | verify if lift in not to light people get problem |
| 6 | Verify that the lift moves to the particular floor as the button of the floor is clicked. | verify if lift in not to display any floor number people can't to understand where to go |
| 7 | Verify that the lift stops when the up/down buttons on a particular floor are pressed. | verify if lift in sometime stuck and not to cell phone get problem |
| 8 | Verify if there is an emergency button to contact officials in case of any mishap. | verify if sometime lift not to open in level get problem |
| 9 | Verify the performance of the floor – the time taken to go to a floor. | verify if lift vayar is break so create accident |
| 10 | Verify that in case of power failure, the lift doesn’t free-fall and gets halted on the particular floor. | verify if door is immediately close people are injured |
| 11 | verify the in case power of missing the lift doesn’t free fall and gets halted on the  particular floor | verify if lift not to vayar connected can't to use |
| 12 | Verify the lift cctv camera is is properly work . | verify if sensor is not working there are some problem |
| 13 | verify the fan is properly work check in does not suffocation occur | verify if lift is overload check the alarm speaker work or not |
| 14 | verify the light in the lift is proper working it does not get dark | verify if press button sometime responding to incorrect |
| 15 | verify the elevator close either the time limit and do not take too much time | verify if lift is making noise while moving up or down |
| 16 | verify the room lift in ones door and when it close no one can create accident | verify if floor number is announced on each floor |
| 17 | verify the time duration for which the door remains open by difficult | verify if lift how much to take in up and down |
| 18 | .verify the lift interior is having proper air ventilation | verify if grill lift door are open make noise |
| 19 | verify the In case the multiple floor number is clicked the lift should stop on each floor | verify if sometime put finger in grill lift people are injured |
| 20 |  | verify if lift in fan or not |

1. **Write a scenario of only WhatsApp chat messages**

|  |  |  |
| --- | --- | --- |
| **Test Scenario Id** | **Test Scenario Positive** | **Test Scenario Negative** |
| 1 | Verify that users can download / install WhatsApp from play store | Verify that the reaction option not having gif or sticker option |
| 2 | verify the user can is able to register using mobile number  on WhatsApp | Verify that the at which time the massage have been send and seen |
| 3 | verify the user can is able to register using mobile number  on WhatsApp | Verify that the contacts send properly to other. |
| 4 | verify that the user can send message to any individual  from his contact | Verify that the massage should not delivered properly due to bad connection. |
| 5 | verify that the windows contains all chat list with dp name and last message proper show |  |
| 6 | verify that clicking a chat in the chat list open a new window containing all the chats received and send with other |  |
| 7 | verify that the verify that the user can send and receive message in  group chat |  |
| 8 | verify that the user can send and receive chat in different language |  |
| 9 | verify the user can deleted text message images video audio etc. within a chat |  |
| 10 | verify the if we send the emoji to the person in front it does not burst  and looks proper |  |
| 11 | verify the after sending the message to the recipient and cheeking and  cheeking whether the double blue tick appears |  |
| 12 | verify the after sending message to the recipient whether we can edit  the message or not |  |
| 13 | verify the sending the file looks proper and it is sent in proper time |  |
| 14 | verify the document file send is properly |  |
| 15 | verify the camera clicking working or not |  |
| 16 | verify click gallery is work or not |  |
| 17 | verify that the click audio option proper work or not |  |
| 18 | verify the location is proper shoe or not |  |
| 19 | verify that the payment method is easy transfer or not |  |
| 20 | verify that the contact is proper shoe or not |  |
| 21 | verify that the poll is proper work or not |  |

1. **Write a scenario WhatsApp camera**

|  |  |  |
| --- | --- | --- |
| **Test Scenario Id** | **Test Scenario Positive** | **Test Scenario Negative** |
| 1 | Verify that users can download / install WhatsApp from play store | Verify that the reaction option not having gif or sticker option |
| 2 | verify the user can is able to register using mobile number  on whatsapp | Verify that the at which time the massage have been send and seen |
| 3 | verify the user can is able to register using mobile number  on whatsapp | Verify that the contacts send properly to other. |
| 4 | verify that the user can send message to any individual  from his contact | verify that the massage should not delivered properly due to bad connection. |
| 5 | verify that the windows contains all chat list with dp name and last message proper show |  |
| 6 | verify that clicking a chat in the chat list open a new window containing all the chats received and send with other |  |
| 7 | verify that the verify that the user can send and receive message in  group chat |  |
| 8 | verify that the user can send and receive chat in different language |  |
| 9 | verify the user can deleted text message images video audio etc within a chat |  |
| 10 | verify the if we send the emoji to the person in front it does not burst  and looks proper |  |
| 11 | verify the after sending the message to the recipient and cheeking whether the double blue tick appears |  |
| 12 | verify the after sending message to the recipient whether we can edit  the message or not |  |
| 13 | verify the sending the file looks proper and it is sent in proper time |  |
| 14 | verify the document file send is properly |  |
| 15 | Verify the camera is click in working or not |  |
| 16 | verify click gallery is work or not |  |
| 17 | verify that the click audio option proper work or not |  |
| 18 | verify the location is proper shoe or not |  |
| 19 | verify that the payment method is easy transfer or not |  |
| 20 | verify that the contact is proper show or not |  |
| 21 | verify that the pull is proper work or not |  |

1. **Write a scenario WhatsApp audio video call**

|  |  |  |
| --- | --- | --- |
| **Test Scenario Id** | **Test Scenario Positive** | **Test Scenario Negative** |
| 1 | Verify that users can download / install WhatsApp from play store | Verify that the whatsapp audio/video call have not having proper sound of the  other person. |
| 2 | verify the user can is able to register using mobile number  on whatsapp | Verify that the video call has support of flash light during the call |
| 3 | verify the user can is able to register using mobile number  on WhatsApp | Verify that the video call has support of flash light during the call |
| 4 | verify the successful registration and installation the concept of user  are your contact list | Sometime video was stopped if we minimize the application. |
| 5 | verify the add person is proper work or not | Verify that if the other user is call to other user but other user get call after  some time. |
| 6 | verify that the more option ( share screen share ,send message )  proper work or not | Verify the video call quality poor due to   network problem |
| 7 | verify that the camera pause option is proper work or not | Verify the audio/video call option is in used when  we are not online in whatsapp. |
| 8 | verity that the speaker button id proper work or not |  |
| 9 | verify the click mute button is proper work or not |  |
| 10 | verify the call off button is proper work or not |  |
| 11 | verify the voice is clear listen any person is proper or not |  |
| 12 | verify that the audio call click is proper work or not |  |
| 13 | verify that the mute option is proper work or not |  |
| 14 | verify that the video call history available or not |  |
| 15 | Verify that the audio call history is available |  |
| 16 | verify that the history with time ,days show |  |
| 17 | verify that the user is able to call or receive WhatsApp calls from the contact list |  |

1. **Write a Scenario WhatsApp group**

|  |  |  |
| --- | --- | --- |
| **Test Scenario Id** | **Test Scenario Positive** | **Test Scenario Negative** |
| 1 | Verify that users can download / install WhatsApp from  play store | Verify that there has  no limit of member  adding function |
| 2 | verify the user can is able to register using mobile number  on WhatsApp | Verify then when we are typing then all of the group member was seen that a person with name was typing |
| 3 | verify the user can is able to register using mobile number  on WhatsApp | Verify that the group dp was changed by anyone it's also seen on other member. |
| 4 | verify the more option is proper work or not | Verify that the user send more then 10 image at a time |
| 5 | verify the new group option in proper work or not | Verify if the user is not admin is not able to change Dp of wallpaper. |
| 6 | verify the message is proper send or not | Verify  that the captured image is perfectly stored in gallery |
| 7 | verify that the verify that the group video call is proper work or not | Verify when the user on group use the camera option that mobile phone camera  gets on or not. |
| 8 | verify the group audio call is proper work or not | verify that the admin of group is muted and kicked other member is working or not |
| 9 | verify the cheeking whether twopeople can send message  simultaneously | Verify that if other member send inappropriate massage then the admin of group   is able to delete that massage or not. |
| 10 | verify the see how many people have been a message sent to a group |  |
| 11 | verify the weather clear history is done properly in the group |  |
| 12 | Verify that user can archive chat in an individual group chat. |  |
| 13 | Verify that the all member  name is show above the group |  |
| 14 | verify that the user add in Group member name is show above the group |  |
| 15 | verify the can send message different language |  |
| 16 | verify that the emoji is working or not |  |
| 17 | verify the enter the message is working or not |  |
| 18 | verify the pay option is working or not |  |
| 19 | verify the camera option is working or not |  |
| 20 | verify the audio call option is work or not |  |
| 21 | verify the video call option is proper working or not |  |
| 22 | verify the group info option proper working or not |  |
| 23 | verify the group media option is proper work or not |  |
| 24 | verify that the search option is working or not |  |
| 25 | verify the wallpaper option is work or not |  |
| 26 | verify the leave group option is working or not |  |

1. **Write a Scenario WhatsApp status**

|  |  |  |
| --- | --- | --- |
| **Test Scenario Id** | **Test Scenario** | **Test Scenario Negative** |
| 1 | Verify that users can download / install WhatsApp from play store | Verify that the hide status from some user is working properly or not. |
| 2 | verify the user can is able to register using mobile number  on WhatsApp | Verify that the user put only small video in status. |
| 3 | verify the user can is able to register using mobile number  on WhatsApp | Verify that the status not load properly due to bad network. |
| 4 | verify the video click is proper working or not | Verify that the user use limited  of sticker size where there is zoom out only. |
| 5 | verify the camera click option is proper work or not | Verify there is no limitation of stickers where there is zoom in only |
| 6 | verify the sync camera option is work or not | Verify there is no limite adding in image of status. |
| 7 | verify the click camera button is proper work or not | Verify  that  we can make foggy  image status  with same functionlity. |
| 8 | verify the new photo are show or not |  |
| 9 | verify that the can see status option is proper work or not |  |
| 10 | verify the only share selected person is option proper work or not |  |
| 11 | verify the status send button is proper work or not |  |
| 12 | verify the add caption is proper work or not |  |
| 13 | verify the text with emoji send proper or not |  |
| 14 | verify the sip up filter is proper work or not |  |
| 15 | verify the crop option is proper work or not |  |
| 16 | verify the crop rotate option is proper work or not |  |
| 17 | verify the after crop photos is done option is proper work or not |  |
| 18 | verify the after crop photos cancel option is proper work or not |  |
| 19 | verify the click status and on sticker is input and result is proper show  or not |  |
| 20 | verify the light properly working or not |  |
| 21 | verify the proper show status or not |  |
| 22 | verify the picture is proper edit or not |  |
| 23 | verify the status is proper work or not |  |
| 24 | verify the status in video limit are proper work or not |  |
| 25 | verify that the file is proper show or not |  |
| 26 | verify the status video voice are muter option is proper work or not |  |
| 27 | verify the click picture than focus on proper or not |  |
| 28 | verify the add text option proper work or not |  |

1. **Write a Scenario Instagram camera**

|  |  |  |
| --- | --- | --- |
| **Instagram camera** | | |
| **Test Scenario Id** | **Test Scenario Positive** | **Test Scenario Negative** |
| 1 | Verify that users can download / install Instagram from play store | verify that when we click on camera  it's show brightness  high  and low option |
| 2 | verify the user can is able to register using otp in Instagram | Verify that the due to network problem  all chat not tom back properly. |
| 3 | Verify that the on successful registration and installation. | verify the press ad hold for the camera the video shoots oly or the video  does not doen load |
| 4 | verify the gallery option is properly work or not. | verify that the  camera have not  night mode support. |
| 5 | verify the story reels option is proper work or not. | verify that the camera has no  Dual view option . |
| 6 | verify the front and back camera option is proper work or not | verify that the ISO and  DSLR option is  not available. |
| 7 | verify the click picture is proper click button is work or not. | verify that   the focus not lock properly in particular object. |
| 8 | verify the all filtration proper show and work or not. |  |
| 9 | verify the hand free option are proper work o not. |  |
| 10 | verify the layout frame is proper work or not. |  |
| 11 | verify the click bumring option is proper work or not. |  |
| 12 | verify the create tying feature is proper work or not. |  |
| 13 | verify the create typing in proper typing are not . |  |
| 14 | verify the create typing page in mention filter is proper work or not |  |
| 15 | verify the story added gif file than proper show or not |  |
| 16 | verify the light option is proper work or not |  |
| 17 | verify the setting option is proper work or not. |  |
| 18 | verify the if you take a close picture there is no blur and that should be checked |  |
| 19 | verify the after clicking checking whether the typing is correct  on it or not |  |
| 20 | verify the click picture than music add or not . |  |
| 21 | verify the location option is proper work or not |  |
| 22 | verify the mention option is proper work or not |  |
| 23 | verify the frame option is proper work or not |  |
| 24 | verify the click after picture than add any photos or not |  |
| 25 | verify the countdown option is proper work or not |  |
| 26 | Verify the sticker is proper show or not |  |
| 27 | verify the search option is proper work or not |  |
| 28 | verify the after clicking picture checking whether the filter looks right on it or not |  |
| 29 | verify the after click picture is save or not |  |
| 30 | verify the video and photos is proper shoot or not |  |
| 31 | verity the discard option is proper work or not |  |
| 32 | verify the save draft option is proper work or not |  |
|  |  |  |
| **Instagram chat** | | |
| **Test Scenario Id** | **Test Scenario Positive** | **Test Scenario Negative** |
| 1 | Verify that users can download / install Instagram from play store | Verify  that the reaction  option  not having gif or sticker option . |
| 2 | verify the user can is able to register using otp in Instagram | Verify that the background  of chats  is same for  all the  friends not change for special user. |
| 3 | verify that the on successful registration and installation. | Verify that the forward written on the message it's show that the  user forward msg from other. |
| 4 | Verify that the on successful registration and installation. | Verify that the contacts send properly to other. |
| 5 | verify the reels is share any person or not | Verify that the chat is   not show properly due to bad connection. |
| 6 | vertify that the emoji is send id easily or not | Verify that the deleted massage not show in received user. |
| 7 | verify the camera option is proper work or not | verify the mor thsan 30 sec video is not send |
| 8 | verify the keyboard in emoji option is properly work or not |  |
| 9 | verity the sticker gif file mike option is proper work or not |  |
| 10 | verify the mic option is proper work or not |  |
| 11 | verify the gallery option is proper work or not |  |
| 12 | verify the sticker option is proper work or not |  |
| 13 | verify the checking whether the DP of the person we are  chatting with is showing next to it or not |  |
| 14 | verify the typing in front of you whether the typing shows as written or not |  |
| 15 | verify the change in background or not |  |
| 16 | verify the see if typed letters change colour or not |  |
| 17 | verify the after deleting the message we show the other party  whether we have deleted the message or not |  |
| 18 | verify the shows the time that the opposite message was seen or not |  |
| 19 | verify the shows the name of the person you are chatting with or not |  |
| 20 | veriyfy the aufio call option is proper work or not |  |
| 21 | verify the video call optuin is proper work or not |  |
|  |  |  |
| **Instagram audio/video call** | | |
| **Test Scenario Id** | **Test Scenario Positive** | **Test Scenario Negative** |
| 1 | Verify that users can download / install Instagram from play store | Verify that  the instagramhaving the conference call  option but  not  add more then six to eight person. |
| 2 | verify the user can is able to register using otp in instragram | Verify that  the instra audio/video call have not having proper sound of  the other person. |
| 3 | verify that the on successful registration and installation. | Verify the audio/video call option  is  in used when  we are not  online in instra |
| 4 | verify that the on successful registration and installation. |  |
| 5 | verify the camera off or o is proper work or not |  |
| 6 | verify the mute opt is proper work or not |  |
| 7 | verify the slide is proper work or not |  |
| 8 | verify the slide share and video call is proper start or not . |  |
| 9 | verify the camera switch camera is proper work or not |  |
| 10 | verify the someone is else can be added |  |
| 11 | verify the if the video call camera is focused and the background is blurred |  |
| 12 | verify the colour filter is proper work or not |  |
| 13 | verify the touch up button is proper work or not |  |
| 14 | verify the effect button is proper work or not |  |
| 15 | verify the video call off button is proper work or not |  |
| 16 | verify the if review on comes after call cut or not |  |
| 17 | verify the many minutes the phone is on after the phone is tuned on |  |
| 18 | verify the sound is correct or not |  |
| 19 | verify the call back sms is proper work or not |  |
| 20 | verify the voice clear listing is proper or not |  |
|  |  |  |
| **Instagram group** | | |
| **Test Scenario Id** | **Test Scenario Positive** | **Test Scenario Negative** |
| 1 | Verify that users can download / install Instagram from play store | Verify that there has  no limit of member  adding function |
| 2 | verify the user can is able to register using otp in instragram | Verify then when we are typing then all of the group member   seen that a person with name was typing  . |
| 3 | verify that the on successful registration and installation. | Verify that in group video call limited member would be join. |
| 4 | verify that the on successful registration and installation. | Verify that the group dp was changed by any one it's also seen on other member. |
| 5 | verify the reels is share any person or not | verify that the other member of group is not able to kick other member |
| 6 | verify that the emoji is send id easily or not |  |
| 7 | verify the camera option is proper work or not |  |
| 8 | verify the keyboard in emoji option is properly work or not |  |
| 9 | verify the sticker gif file mike option is proper work or not |  |
| 10 | verify the mic option is proper work or not |  |
| 11 | verify the gallery option is proper work or not |  |
| 12 | verify the sticker option is proper work or not |  |
| 13 | verify the checking whether the DP of the person we are chatting with is showing next to it or not |  |
| 14 | verify the typing in front of you whether the typing shows as written or not |  |
| 15 | verify the change in background or not |  |
| 16 | verify the see if typed letters change colour or not |  |
| 17 | verify the after deleting the message we show the other party whether we have deleted the message or not |  |
| 18 | verify the shows the time that the opposite message was seen or not |  |
| 19 | verify the shows the name of the person you are chatting with or not |  |
| 20 | verify the audio call option is proper work or not |  |
| 21 | verify the video call option is proper work or not |  |
| 22 | verify the maximum number of people who can join the group |  |
|  |  |  |
| **Instagram story** | | |
| **Test Scenario Id** | **Test Scenario Positive** | **Test Scenario Negative** |
| 1 | Verify that users can download / install instragram from play store | verify the video cannot be placed together with a photos in a story |
| 2 | verify the user can is able to register using otp in instragram | verify the stoty in song on the photos cannot be placed for more than 15 sec |
| 3 | verify that the on successful registration and installation. | verify the you put a big video the folder the story gets divided into three  orfour pieces and the whole video does not come toghter |
| 4 | verify that the on successful registration and installation. |  |
| 5 | verify the your story option is work or not |  |
| 6 | verify the close friends option is proper work or not |  |
| 7 | verify the story send option is proper work or not |  |
| 8 | verify the maximum number of photos that can be placed |  |
| 9 | verify the add another photos on top one photos checking whether the bottom photo proper visible or not |  |
| 10 | verify the whether the time location can be placed correctly or not |  |
| 11 | verify the a sticker that it does not tear if zoomed |  |
| 12 | verify the maximum number of people mention in the story |  |
| 13 | verify the story is save or not |  |
| 14 | verify the story is add highlight or not |  |
| 15 | verify the story add music easily or not |  |
| 16 | verify the add your photo or not |  |
| 17 | verify the gif in add story is or not |  |
| 18 | verify the link add in story is easily or not |  |
| 19 | verify the search option is proper work or not |  |
| 20 | verify the proper add word or not |  |
| 21 | verify the filter added draw is easily or not |  |
| 22 | verify the label ai option is work or not |  |
| 23 | verify the back option is popper work or not |  |
| 24 |  |  |
|  |  |  |
| **instragram reels** | | |
| **Test Scenario Id** | **Test Scenario Positive** | **Test Scenario Negative** |
| 1 | Verify that users can download / install instragram from play store | Verify that users can adjust the playback speed of their reel videos. |
| 2 | verify the user can is able to register using otp in instragram | verify the has no video upload limit any length of video can be upload |
| 3 | verify that the on successful registration and installation. | verify the lisping does not occur properly in rails due to net law |
| 4 | verify that the on successful registration and installation. |  |
| 5 | verify the rels option is proper work or not |  |
| 6 | verify the selected photos easily or not |  |
| 7 | verify the the edit video option is proper work or not |  |
| 8 | verify the swip adjust video option is proper work or not |  |
| 9 | verify the edit option id proper work |  |
| 10 | verify the maximum number of minutes video can be placed in reels |  |
| 11 | verify the can we use GLF file in reel or not |  |
| 12 | verify the filter option is proper work or not |  |
| 13 | verify the reels is save or not ' |  |
| 14 | Verify the easily music add or not |  |
| 15 | verify the sticker easily add or not |  |
| 16 | verify the save draft or not |  |
| 17 | verify the start again option is proper work or not |  |
| 18 | verify the continue edition option is proper work or not |  |
| 19 | verify the music add is or not |  |
| 20 | verify the hes tage is added or not |  |
| 21 | verify the mention is or not |  |
| 22 | verify the caption added or not |  |
|  |  |  |
| **instragram live** | | |
| **Test Scenario Id** | **Test Scenario Positive** | **Test Scenario Negative** |
| 1 | Verify that users can download / install instragram from play store | verify the no more people can join in live |
| 2 | verify the user can is able to register using otp in instragram | verify the start the live the notification of the live goes to all our followers |
| 3 | verify that the on successful registration and installation. | verify the everyone speaks same time in live no one voice is understood properly |
| 4 | verify that the on successful registration and installation. |  |
| 5 | verify the live share option is proper work or not |  |
| 6 | verify the maximum person join in live |  |
| 7 | verify the add comment Is proper work or not |  |
| 8 | verify the pined message is proper work or not |  |
| 9 | verify the can be seen whether these people are join or not |  |
| 10 | verify the comment of easy to check whether it is torn or not |  |
| 11 | Verify the switch camera is proper work or not |  |
| 12 | verify the how many people automatically send message or not |  |
| 13 | verify the focus on camera or not |  |
| 14 | verify the voice is clear or not |  |
| 15 | verify the we turn on live check notification appears in the front or not |  |
| 16 | verify the whether only those who followed user our live or everyone can see it |  |