**MODULE-3 (CONTEXT BASED TESTING)**

* What is Load Testing?

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

* What is stress testing?

Stress testing is a form of deliberately intense or thorough testing used to determine the stability of a given system, critical infrastructure or entity. Stress testing involves testing the application under varying load.

* Write a scenario of only Whatsapp chat messages
* Check the maximum length of text field
* Check the minimum length of text field
* Check the total number of text allowed in the field
* Check whether you can send pictures
* Check whether you can send emojis
* Check the send option is working
* Check the cursor is moving when you type letters
* Check whether text field allows space between letters
* Check the attachment is working or not
* Check whether you can record voice messages
* Check deleting option of messages
* Write a Scenario of Pen
* Verify the type of pen
* Verify if you are able to hold the pen comfortably
* Verify if you are able to write smoothly
* Verify the color of the ink
* Verify the material of the pen
* Verify whether the company or pen name is clearly visible
* Verify the width of the line drawn by the pen
* Verify for the waterproof pen
* Verify if the ink gets dried easily if the pen is kept open
* Verify how fast you can write with the pen
* Write a Scenario of Pen Stand
* Verify the type of pen stand
* Verify the shape of the pen stand
* Verify the length and width of pen stand
* Verify how many pens can fit in the pen stand
* Verify how many compartments are there
* Verify the color of the pen stand
* Verify it is breakable or not
* Verify the design on the pen stand
* Verify the base stands properly or not
* Write a Scenario of Door
* Verify if the door is single or bi-folded door
* Check if the door opens inwards or outwards
* Verify the dimensions of the door
* Verify the material used for the door body and its parts
* Verify the color of the door
* Verify if the door is sliding door or rotating door
* Check the quality and strength
* Check the types of locks in the door
* Check the number of locks
* Verify if the door closes automatically or not
* Verify if the door makes noise when opened or closed
* Check the door condition when extensively used in water
* Write a Scenario of ATM
* Verify if the card reader is working exactly
* Verify if the ATM machine accepts card and pin details
* Verify the error message by inserting the card incorrectly
* Verify the error message by inserting an invalid card
* Verify the error message by entering an incorrect pin
* Verify that pin is encrypted
* Verify the cash dispenser is working as expected
* Verify the keypad is working
* Verify the font of text on the screen, it should be clearly visible
* Verify the ATM machine asks to user the amount to be withdrawn
* Verify how much time is taken in a transaction
* Verify that pin is displayed in masked format
* Verify that error message is displayed when amount entered amount is greater than account balance
* When to used Usablity Testing?

Usability testing can and should be conducted on the current iteration of a product before beginning any new design work, after you have begun the strategy work around a brand new site or app.

* What is the procedure for GUI Testing?
* Check all the GUI elements for size, position, width, length and acceptance of characters or numbers. For instance, you must be able to provide inputs to the input fields.
* Check you can execute the intended functionality of the application using the GUI
* Check Error Messages are displayed correctly
* Check for Clear demarcation of different sections on screen
* Check Font used in application is readable
* Check the alignment of the text is proper
* Check the Color of the font and warning messages is aesthetically pleasing
* Check that the images have good clarity
* Check that the images are properly aligned
* Check the positioning of GUI elements for different screen resolution
* Write a scenario of Microwave Oven
* Verify the dimensions of the oven
* Verify the material of the oven
* Verify the oven heats the food in desired temperature
* Verify the oven heats the food at desired temperature at the desired time
* Verify the oven works with the desired maximum attainable temperature
* Verify the oven works with the minimum attainable temperature
* Verify the ovens plate rotation speed is optional and not too high
* Verify the ovens door is closed tightly
* Verify the ovens door opens smoothly
* Verify the text written on the oven is clearly visible
* Verify the digital display is clearly visible
* Verify the temperature and time regulator works properly
* Verify the ovens functionality with different kinds of container materials
* Verify the power cord of the oven is long enough
* Verify the user manual have clear instructions
* Write a scenario of Coffee vending Machine
* Verify the type of coffee vending machine
* Check the company name of coffee vending machine
* Check that the logo is properly displayed
* Check the size
* Check the color of the machine
* Check the height of the vending machine
* Check the weight of the coffee vending machine
* Check the material of the machine
* Check if the power button is working
* Check the indicator lights are displaying correctly
* Check all the buttons of the coffee vending machine
* Check the complete quantity of coffee poured in a single time
* Check the temperature of the coffee is same as mentioned in the machine
* Check the time it take to serve a coffee
* Write a scenario of chair
* Check the material used in making the chair
* Check if the chair’s legs are level to the floor
* Check the usability of the chair
* Check if there is back support in the chair
* Check if there is hands for support in the chair
* Verify the paints type and color
* Verify if the chair’s material is brittle o not
* Check if cushion is provided with the chair or not
* Verify the dimension of the chair
* Verify the weight of the chair
* Check the height of the chair’s seat from the floor
* Write a Scenario of Wrist Watch
* Verify the type of watch – analog or digital.
* In the case of an analog watch, check the correctness time displayed by the second, minute, and hour hand of the watch.
* In the case of a digital watch, check the digital display for hours, minutes, and seconds is correctly displayed.
* Verify the material of the watch and its strap.
* Check if the shape of the dial is as per specification.
* Verify the dimension of the watch is as per the specification.
* Verify the weight of the watch.
* Check if the watch is waterproof or not.
* Verify that the numbers in the dial are clearly visible or not.
* Check if the watch is having a date and day display or not.
* Verify the color of the text displayed in the watch – time, day, date, and other information.
* Verify that clock’s time can be corrected using the key in case of an analog clock and buttons in case of a digital clock.
* Check if the second hand of the watch makes ticking sound or not.
* Verify if the brand of the watch and check if its visible in the dial.
* Check if the clock is having stopwatch, timers, and alarm functionality or not.
* In the case of a digital watch, verify the format of the watch 12 hours or 24 hours.
* Verify if the watch comes with any guarantee or warranty.
* Verify if the dial has glass covering or plastic, check if the material is breakable or not.
* Verify if the dial’s glass/plastic is resistant to minor scratches or not.
* Check the battery requirement of the watch.
* Write a Scenario of Lift(Elevator)

1. Verify the type of door of the lift is as per the specification
2. Verify the type of metal used in the lift interior and exterior
3. Verify the capacity of the lift in terms of the total weight
4. Verify the buttons in the lift to close and open the door and numbers as per the number of floors
5. Verify that lift moves to the particular floor as the button of the floor is clicked
6. Verify that lift stops when up/down buttons at particular floor are pressed
7. Verify if there is an emergency button to contact officials in case of any mishap
8. Verify the performance of the floor – the time is taken to go to a floor
9. Verify that in case of power failure, lift doesn’t free-fall and get halted in the particular floor
10. Verify lifts working in case button to open the door is pressed before reaching the destination floor