**Case scenarios**

TS1(1): Check whether/Ensure/Verify

1: Simple Calculator

1. Check whether the calculator display working(ON/OFF)
2. Verify all buttons are present in the calculator
3. Check whether correct output is showing for each input button
4. Ensure the calculator is light weight
5. Check drop test of calculator and check it is working after
6. Check whether it is easy to carry
7. Check whether all functionalities and arithmetic operations are working smoothly
8. Check the battery life and backup time
9. Check the quality of buttons with continuous use
10. Ensure the company logo and design are correctly placed
11. Verify the print on button doesn’t go away easily
12. Check the quality of display in bright light , in sunetc
13. Ensure that the display or calculator automatically switch OFF after a period of no use
14. Verify the shape and size of button are identical
15. Check whether calculator is for long/ short term use
16. Check output when two or more keys are pressed at same time
17. Check whether how much pressure required to press the key
18. Check the strength/length of display
19. Check whether it is easy to remove battery and battery socket
20. Verify the text font
21. Check whether there is any heating issue for long use
22. Check for invalid inputs

2: Coffee vending machine

1. Check whether the machine ON/OFF indication working or not
2. Ensure that the machine is shock proof
3. Check whether there is place for keeping cup
4. Verify the design is as per the brand
5. Ensure the coffee does not overflow
6. Verify the quality of coffee served
7. Check the machine capacity
8. Ensure the proportion of items need to make coffee is correct
9. Check how many cups can be prepared with continues use
10. Check switches are working as they describe
11. Check the size of machine and its weight
12. Check there is a drainage system for the overflow coffee
13. Check the font size and its readable
14. Check the time required to fill and refill the cup
15. Check the electricity consumed per cup
16. Check whether unwanted noice is coming from machine
17. Verify the display is working
18. Check the hotness of coffee

3: Password field for registration

1. Check whether the pointer is showing on the password field
2. Check all types of characters, numbers, symbols are applicable / usable
3. Check the minimum and max characters that can be entered
4. Check the confirm button is working
5. Check the password is already present or not
6. Check the security level of password is at a minimum or strong level
7. Check password is hidden or shown
8. Check whether copy- paste is not working on it
9. Check tab, space is taking as character
10. Verify that password can’t be skipped

4: Amazon cart

1. Check whether the shopping cart is responsive or not
2. Check the max and min no. of items that can be entered in the cart
3. Check whether the place order button is working
4. Check whether the coupons are applicable or working correctly
5. Check whether all the details of added items are correct
6. Check whether added items can be removed successfully
7. Check whether the pricing of total amount is correct
8. Check the price after and before the items are removed is corrected or reduced/ increased
9. Check the type of payment option available
10. Check whether change of address is available or working
11. Verify the back button is working perfectly
12. Check the time required to update cart details when the quantity of an item is changed
13. Verify the size/measurements of item is same as when added to cart is same
14. Check whether the delete option , wish listing is possible from car

5. Google search functionality

1. Check whether the pointer is showing or not on search bar
2. Check whether search button is working or not
3. Check whether all type of combination characters , numbers, symbols are acceptable
4. Check whether the search field is expanding or moving as the strength of data entered
5. Check whether text on search bar can be copied
6. Check whether any type of text can be paste on the search field.
7. Verify the google search bar is of standard size and dimension for visibility.
8. Check whether it is accepting links
9. Check the time to load the data
10. Check whether the voice search option is working
11. Check the time needed to load after voice is captured
12. Check whether all type of font is accepted while copy and paste is done
13. Check whether the search suggestion is showing while entering each letter or number
14. Check whether all languages are accepted in the search option and voice.

6. Negative test scenarios of whatsapp

1. Check whether we can pin more than 3 chats/groups
2. Check the duration of a single status exceed 30sec
3. Check whether we can send more than 30 images at a time
4. Check whether the forwarded message can only be send to one group at a time or 5 contacts at a time
5. Check whether we can add more than 1024 contacts in a group
6. Check whether we can send more than 16mb video at a time or document of 100mb
7. Check the number of people calling in a video call can be more than 8 participants
8. Check whether status stays more than 24 hrs
9. Check whether it can add 139 characters
10. Check status size is more than 6.4mb
11. Check whether when last seen is OFF, can be seen by others
12. Check whether blocked account can message or not
13. Check whether more than one number can be registered on single whatsapp
14. Check the disappearing message after 24hrs can be screenshotted.

7.ZOMATO

1. Check whether the app is launching or not

2. Check whether the app is user friendly or not

3. Check whether the app pass endurance test

(Homepage)

1. Check whether the address can be added or not
2. Check whether total no. of address that can be added
3. Check whether the places can be searched on the search in homepage add address
4. Check whether the device location can be added or not
5. Check whether the saved address can be choosable
6. Check whether the language can be choosable
7. Check whether the account icon directs to profile page
8. Check whether search bar is working or not
9. Check whether voice option in search bar is working
10. Check whether the filter options are working or not
11. Check whether sort options are working or not
12. Check whether restaurants can be liked or not
13. Check whether closed restaurants are faded or not
14. Check whether each restaurant is opening when clicked
15. Check whether ‘recommended for you’ restaurants are displayed and are choosable when clicked
16. Check whether ‘Offers’ category is displayed and are choosable when clicked
17. Check whether “what’s on your mind” dishes are displayed and are choosable when clicked
18. Check whether each restaurant contain name, rating, images, offers, cuisine type, delivery time, killometer, fare for one is displayed or not
19. Check whether bottom navigation (delivery, dining, money) is working or not
20. Check whether each restaurants are placed correctly or overall alignments are correct.

(Search bar)

1. Check whether search accept numbers and characters
2. Check whether both dishes and restaurant name are shown in result
3. Check the maximum no. of characters that can be entered
4. Check the minimum no. of characters required for search
5. Check the speed taken to load the result
6. Check whether suggestions are showing while entering the characters
7. Check whether the dish name and picture matches the result
8. Check whether two navbar is present for delivery and dining
9. Check whether speech recognition is working properly
10. Check the accuracy of characters taken while speak search is used
11. Check the time taken to load while using speak search
12. Check the back symbol directs to homepage
13. Check whether the result after search is choosable
14. Check whether the choosen result shows the dishes/restaurants
15. Check the time taken to navigate to dining or vice versa
16. Check whether the history is showing after every search is done

(Cart, Order, Payment)

1. Check whether view cart button directs to cart page
2. Check whether there is an option to edit an item
3. Check whether an edit category opens when edit is clicked and the added items can be edited
4. Check whether add more item direct to the restaurant page
5. Check the max no. of each item that can be added
6. Check whether the max no. of items that can be added in an order
7. Check when one item is on your cart and if you delete the item exit the cart page
8. Check whether add cooking instructions work or not
9. Check whether applicable coupons can be applied or not
10. Check whether view all coupon opens the available coupons
11. Check whether applied coupon reflect the offer that is described
12. Check whether the ad for gold membership is displayed and contain add button on it
13. Check whether grant total of the items on cart is correct
14. Check whether the subtotal category displays the splitted charges such as GST, delivery partner fee, surge fee etc
15. Check whether there is option to tip the delivery partner
16. Check whether default values and other options are there for tip providing in the tip section
17. Check whether you can add delivery instructions by recording
18. Check whether there are default options to choose in delivery instructions
19. Check whether you can update your details by clicking update details
20. Check whether there is an option to order for someone else by providing their contact , address, and messages
21. Check whether the cancellation policy is written in the bottom of the page
22. Check whether we can change the address of delivery
23. Check whether change address opens an add or saved address category
24. Check whether the payment is choosable or change the mode of payment when pay using is clicked
25. Check whether place order button redirect to payment app Except in COD
26. Check whether if Cod is selected place order makes the order successful
27. Check whether the delivery time is displayed at the top
28. Check the time taken to update when an item is added or removed from cart
29. Check the time taken to display the order success after payment is done
30. Check whether cards, UPI, Wallets, Netbanking, paylater can be added in payment option by entering details of each

(Account)

1. Check whether profile icon on homepage direct to profile page
2. Check whether profile icon direct to edit profile page like name, mailId, phoneno, birthday, gender, photo
3. Check whether name filed accept number, characters and symbols
4. Check whether number field accept more than or less than 10 digits
5. Check whether number field accept characters and symbol
6. Check whether future DOB can be choosen
7. Check whether DOB once selected can be changeable
8. Check whether gender can be choosable
9. Check whether the change photo is clicked shows delete photo, change photo, cancel option is displayed
10. Check whether the details are updated when update button is clicked
11. Check whether correct name and mailId and photo is present in the profile page
12. Check whether likes, payment, settings icon options are present
13. Check whether your rating is displayed
14. Check whether food order category contain your order , favourite order, address book, online ordering help options and are clickable
15. Ensure your order displays your past orders, address book shows saved address, online ordering direct to Zomato interactive assistant when clicked
16. Check whether there is a category called edition with edition wallet, edition FAQs, Zomato gold
17. Ensure edition wallet displays activation page of wallet, edition FAQs display mostly asked questions about wallet activation, Zomato gold shows different plans when clicked
18. Check whether you are able to log out when log out is clicked
19. Check whether dining category is present with your transactions, dining reward, table reservations, dining help, table reservation help, frequently asked question and are clickable and takes to corresponding page
20. Check whether it contain credit and gift cards category with Zomato credits, claim gift card and are clickable and takes to corresponding page
21. Check whether more category is present with choose language, about, send feedback, get feeding India receipt, report a safety emergency, lo ot and are clickable and take to corresponding pages

**1.Performance testing Scenarios**

1. Check time taken by the server to respond to the client request
2. Check the max no. of users or transactions the system can handle
3. Check whether system can handle high load above the normal usage and check breaking point
4. Check whether the system can handle sudden hit with a high number of request at a particular time
5. Check the system ability to handle sustained load over a prolonged period of time
6. Check whether the software product responds rapid functionality
7. Check the security level of the software product
8. Ensure the software product is stable under varying to workloads
9. Check the speed of the software product in each module is as expected
10. Ensure the output accuracy of each module in software product
11. Check whether any system failure happens at any stage of software use
12. Check whether software product can handle unexpected traffic pattern
13. Check whether the software product cause issues like heating to the device
14. Check the CPU utilization while running software
15. Check the memory utilization while running software
16. Check the network utilization while running software
17. Check whether the loaded page is erased if switched between network or connection is lost
18. Check the operating system limitations for the software product
19. Check the disk usage while running the software product
20. Check whether the UI is designed for first time users
21. Check the bandwidth of network used
22. Check whether the garbage collection is managed

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| **2. Usability Testing** |
| 1. Check how satisfied are participants with your Web site or other products 2. Check whether the system is easy to learn for beginners / beginner friendly 3. Check if participants are able to complete specified tasks successfully and easily 4. Check whether how long it takes to complete specified tasks 5. Verify changes required to improve user performance and satisfaction 6. Check Content, Alignment, Colours, Icons, Images used are aesthetically pleasing 7. Ensure navigation is present to reach the desired screen or webpage, and scrollbars should be used infrequently 8. Ensure uniformity in the **format** of screen/pages in your application/website 9. Ensure there are no broken links present 10. Ensure ‘Help’ is provided for the users to understand the application/website 11. Check the application's response time is quick. 12. Ensure the look and feel of the application should be excellent and attractive to get the user's interest. 13. Ensure the GUI of the software should be good because if the GUI is not well, the user may be lost his/her interest while using the application or the software 14. Check Informative header and footer is present 15. Ensure the flow of an Application should be good and the layout should be clear |

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| **3.Security Testing Test Scenarios**  1. Secure pages should use the HTTPS protocol.  2. Escape special characters in the input.  3. Error messages should not reveal any sensitive information.  4. All credentials should be transferred over to an encrypted channel.  5. Test password security and password policy enforcement.  6. Check the application logout functionality.  7. Check for Brute Force Attacks.  8. Cookie information should be stored in encrypted format only.  9. Check session cookie duration and session termination after timeout or logout.  10. Session tokens should be transmitted over a secured channel.  11. The password should not be stored in cookies.  12. Test for Denial of Service attacks.  13. Test for memory leakage.  14. Test unauthorized application access by manipulating variable values in the browser address bar.  15. Test file extension handling so that exe files are not uploaded or executed on the server.  16. Sensitive fields like passwords and credit card information should not have to be autocomplete enabled.  17. File upload functionality should use file type restrictions and also anti-virus for scanning uploaded files.  18. Check if directory listing is prohibited.  19. Passwords and other sensitive fields should be masked  20. Check if important events are logged in log files.  21. Check if access privileges are implemented correctly.  22. Verify CAPTCHA functionality |

## 4. Functional Testing

## Check whether the main functions of an application is working

## Check whether a user can freely navigate through the screens without any difficulties

## Check the accessibility of the system for the user

## Check whether suitable error messages are displayed

## Check the primary entry function, necessarily usable function, the flow of screen GUI

## Ensure that all requirements are met