

Test Cases for Table

1. Verify that the dimension of the table is as per the specifications.
2. Verify that the weight of the table is as per the specifications.
3. Check the height of the table's seat from the floor.
4. Verify that the table is stable enough to take a specified load.
5. Check the material used in making the table wood, plastic, etc.
6. Check if the table's leg are level to the floor.
7. Check the usability of the table as an office table, normal household table.
8. Verify the paint's type and color.
9. Verify if the table's material is brittle or not.
10. Check if the cushion is provided with a table or not.
11. Check the condition when washed with water or the effect of water on table.

Test Cases for Pen

User Interface (UI) Test Cases for Pen

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

Functional Test Scenarios for Pen

1. Verify the type of pen, whether it is a ballpoint pen, ink pen, or gel pen.
2. Verify that the user is able to write clearly over different types of papers.
3. Check the weight of the pen. It should be as per the specifications. In case not mentioned in the specifications, the weight should not be too heavy to impact its smooth operation.
4. Verify if the pen is with a cap or without a cap.
5. Verify the color of the ink of the pen.
6. Check the odor of the pen's ink on writing over a surface.
7. Verify the surfaces over which pen is able to write smoothly apart from paper e.g. cardboard, rubber surface, etc.
8. Verify that the text written by the pen should have consistent ink flow without leaving any blob.
9. Check that the pen's ink should not leak in case it is tilted upside down.
10. Verify if the pen's ink should not leak at higher altitudes.
11. Verify if the text written by the pen is erasable or not.
12. Check the functioning of the pen on applying normal pressure during writing.
13. Verify the strength of the pen's outer body. It should not be easily breakable.
14. Verify that text written by pen should not get faded before a certain time as mentioned in the specification.
15. Check if the text written by the pen is waterproof or not.
16. Verify that the user is able to write normally on tilting the pen at a certain angle instead of keeping it straight while writing.
17. Check the grip of the pen, whether it provides adequate friction for the user to comfortably grip the pen.
18. Verify if the pen can support multiple refills or not.
19. In the case of an ink pen, verify that the user is able to refill the pen with all the supported ink types.
20. For ink pens, verify that the mechanism to refill the pen is easy to operate.
21. In the case of a ballpoint pen, verify the size of the tip.
22. In the case of a ball and gel pen, verify that the user can change the refill of the pen easily.

Negative Test Scenarios for Pen

1. Verify the functioning of a pen at extreme temperatures – much higher and lower than room temperature.
2. Verify the functioning of a pen at extreme altitude.
3. Check the functioning of a pen at zero gravity.
4. Verify the functioning of the pen on applying extreme pressure.
5. Verify the effect of oil and other liquids on the text written by a pen.
6. Check if the user is able to write with a pen when used against gravity i.e. upside down.
7. Verify the functioning of a pen when a user tries to write on unsupported surfaces like glass, plastic, wood, etc.
8. Verify if the pen works normally or not when used after immersing in water or any other liquid for some period of time.

Performance Test Cases for Pen

1. Check how fast the user can write with the pen over supported surfaces.
2. Verify the performance or the functioning of a pen when used continuously without stopping (Endurance Testing).
3. Verify the number of characters a user can write with the single refill in case of ballpoint & gel pen and with full ink, in case of ink or fountain pens.

Test Scenarios for 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
10. Check the condition when washed with water or effect of water on chair
11. Verify that the dimension of chair is as per the specifications
12. Verify that the weight of the chair is as per the specifications
13. Check the height of the chair's seat from floor

Test Cases for Fan

1. Check the type of fan – whether the fan is ceiling fan or table fan
2. Verify the number of blades on the fan
3. Verify the ON-OFF functionality of fan
4. Verify if the fan works normally-throws wind on the right direction
5. Verify the material of which fan's blade and other parts are made
6. Check the voltage/power requirement of the fan
7. Verify the maximum speed of fan
8. Check the minimum speed of the fan
9. Verify that the speed of fan can be regulated using regulator
10. Verify that when in motion, the fan should not wobble
11. Check the length of the fan rod and blades
12. Verify that the weight of the fan is as per the specifications
13. Verify that the color of the fan is as per the specifications
14. Check the effect of voltage fluctuation on fan when in motion
15. Check the effect of sudden electricity outage on fan's motor and other electrical parts
16. Verify the fan's condition when continuously switched on for very large duration
17. Check if there is any lifetime of fan's internal parts or the body
18. Check if the blades of the fan can be bend or not, check if its material is brittle
19. Check the time taken by fan to attain maximum speed, when switched ON

Test Cases for Water Bottle

Positive Test Cases for Water Bottle

1. Verify that the dimensions of the bottle are as per the specifications.
2. Verify that the color of the bottle is as per the specifications.
3. Verify the material used in the bottle.
4. Verify the weight of the bottle is as per the specifications.
5. Verify the type of the bottle – with a lid or without a lid.
6. Check if the bottle is with a sipper or without a sipper.
7. Measure the volume of water that can be stored in the bottle and check if the volume is as specified.
8. Verify that bottle doesn't leak when tilted or placed upside down.
9. Verify that the lid of the bottle is firmly tightened with a bottle.
10. Check the bottle's condition with liquid of different temperatures.
11. Check bottle's condition with different liquids – water, tea, etc.
12. Check the insulation of bottle – time for the liquid to achieve room temperature.
13. Check the brittleness of the bottle's material.
14. Check if the expiry date is clearly mentioned or not.
15. Verify the maximum temperature of the liquid allowed.
16. Verify the minimum temperature of the liquid allowed.

Negative Test Cases for Water Bottle

1. Check the bottle's condition on pouring liquid at a very high temperature, more than the permissible value.
2. Check the bottle's condition on pouring liquid at a very low temperature, less than the permissible value.
3. Check the bottle's condition when subjected to a very high temperature.
4. Check the bottle's condition on pouring liquid/gas at very high pressure, more than the normal pressure.

Test cases for a Wrist Watch

Test Cases for Watch

1. Verify the type of watch – analog or digital.
2. In the case of an analog watch, check the correctness time displayed by the second, minute, and hour hand of the watch.
3. In the case of a digital watch, check the digital display for hours, minutes, and seconds is correctly displayed.
4. Verify the material of the watch and its strap.
5. Check if the shape of the dial is as per specification.
6. Verify the dimension of the watch is as per the specification.
7. Verify the weight of the watch.
8. Check if the watch is waterproof or not.
9. Verify that the numbers in the dial are clearly visible or not.
10. Check if the watch is having a date and day display or not.
11. Verify the color of the text displayed in the watch – time, day, date, and other information.
12. Verify that clock's time can be corrected using the key in case of an analog clock and buttons in case of a digital clock.
13. Check if the second hand of the watch makes ticking sound or not.
14. Verify if the brand of the watch and check if its visible in the dial.
15. Check if the clock is having stopwatch, timers, and alarm functionality or not.
16. In the case of a digital watch, verify the format of the watch 12 hours or 24 hours.
17. Verify if the watch comes with any guarantee or warranty.
18. Verify if the dial has glass covering or plastic, check if the material is breakable or not.
19. Verify if the dial's glass/plastic is resistant to minor scratches or not.
20. Check the battery requirement of the watch.

Test Scenarios of Gmail

Test Case for Gmail – Inbox Functionality

1. Verify that a newly received email is displayed as highlighted in the Inbox section.
2. Verify that a newly received email has correctly displayed sender email Id or name, mail subject and mail body (trimmed to a single line).
3. Verify that on clicking the newly received email, the user is navigated to email content.
4. Verify that the email contents are correctly displayed with the desired source formatting.
5. Verify that any attachments are attached to the email and are downloadable.
6. Verify that the attachments are scanned for viruses before download.
7. Verify that all the emails marked as read are not highlighted.
8. Verify that all the emails read as well as unread have a mail read time appended at the end on the email list displayed in the inbox section.
9. Verify that count of unread emails is displayed alongside 'Inbox' text in the left sidebar of Gmail.
10. Verify that unread email count increases by one on receiving a new email.
11. Verify that unread email count decreases by one on reading an email (marking an email as read).
12. Verify that email recipients in cc are visible to all users.
13. Verify that email recipients in bcc are not visible to the user.
14. Verify that all received emails get piled up in the 'Inbox' section and get deleted in cyclic fashion based on the size availability.
15. Verify that email can be received from non-Gmail email Ids like – yahoo, Hotmail etc.

Test Cases for Gmail – Compose Mail Functionality

1. Verify that on clicking 'Compose' button, a frame to compose a mail gets displayed.

2. Verify that user can enter email IDs in 'To', 'cc' and 'bcc' sections and also user will get suggestions while typing the emails based on the existing email IDs in user's email list.
3. Verify that the user can enter multiple comma-separated email IDs in 'To', 'cc' and 'bcc' sections.
4. Verify that the user can type Subject line in the 'Subject' textbox.
5. Verify that the user can type the email in the email-body section.
6. Verify that users can format mail using editor-options provided like choosing font-family, font-size, bold-italic-underline, etc.
7. Verify that the user can attach file as an attachment to the email.
8. Verify that the user can add images in the email and select the size for the same.
9. Verify that after entering email IDs in either of the 'To', 'cc' and 'bcc' sections, entering Subject line and mail body and clicking 'Send' button, mail gets delivered to intended receivers.
10. Verify that sent mails can be found in 'Sent Mail' sections of the sender.
11. Verify that mail can be sent to non-gmail email IDs also.
12. Verify that all sent emails get piled up in the 'Sent Mail' section and get deleted in cyclic fashion based on the size availability.
13. Verify that the emails composed but not sent remain in the draft section.
14. Verify the maximum number of email recipients that can be entered in 'To', 'cc' and 'bcc' sections.
15. Verify the maximum length of text that can be entered in the 'Subject' textbox.
16. Verify the content limit of text/images that can be entered and successfully delivered as mail body.
17. Verify the maximum size and number of attachment that can be attached with an email.
18. Verify that only the allowed specifications of the attachment can be attached with an email/
19. Verify that if the email is sent without Subject, a pop-up is generated warning user about no subject line. Also, verify that on accepting the pop-up message, the user is able to send the email.

Test Scenarios of Facebook

User Timeline Test Cases for Facebook

1. Verify that user can set profile pic uploaded from his or her computer.
2. Verify that user can set profile pic uploaded from mobile.
3. Verify that user can set profile pic from photos present on his Facebook account's photo section.
4. Verify that user can set profile from webcam or mobile camera.
5. Verify that user can set cover pic uploaded from his or her computer.
6. Verify that user can set cover pic uploaded from mobile.
7. Verify that user can set cover pic from photos present on his Facebook account's photo section.
8. Verify that user can set cover from webcam or mobile camera.
9. Verify that uploading image of unsupported type should lead to error message.
10. Verify that uploading image of size exceeding maximum allowed size should lead to error message.
11. Verify that uploading image of size less than the allowed minimum size should lead to error message.
12. Verify that uploading image of larger dimension than permitted should lead to error message.
13. Verify that uploading image of smaller dimension than permitted should lead to error message.
14. Verify that change in profile pic should get reflected in each post/comment of the user's timeline.
15. Verify that user can add/edit their account information displayed to other users.
16. Verify that users can post text in their timeline and the same gets displayed to their friends.
17. Verify that users can post images in their timeline and the same gets displayed to their friends.
18. Verify that users can post links with or without preview in their timeline and the same gets displayed to their friends.
19. Verify that user can tag friends in their posts.
20. Verify that users can see the all the post in their timeline.

21. Verify that users can see comments, likes and reactions in the posts present in their timeline.
22. Verify that users can post comments, like and react to the posts present in their timeline.

Friends and their Timelines Test Cases for Facebook

1. Verify that the user can search for friends in face book's 'Find friends' search functionality.
2. Verify that users can send a friend requests to any user by visiting their page.
3. Verify that the user can navigate through their Friend's friend and send a friend requests to them.
4. Verify that the user can approve or decline received friend request.
5. Verify that the user can unfriend any existing friend.
6. Verify that users can see the timeline of their friends.
7. Verify that users can post text in their friend's timeline.
8. Verify that users can post images in their timeline and the same gets displayed to their friends.
9. Verify that users can post links with or without preview in their friend's timeline.
10. Verify that users can tag friends in their posts on a friend's timeline.
11. Verify that users can see all the posts in their friend's timeline.
12. Verify that users can see comments, likes, and reactions in the posts present in their friend's timeline.
13. Verify that users can post comments, like and react to the posts present in their friend's timeline.

Facebook Notification Test Scenarios

1. Verify that users receive different notifications on Facebook 'Notifications' icon.
2. Verify that users receive different notifications on email or cell phone based on the settings chosen when not logged in to Facebook.
3. Verify that users receive a notification when their friend request gets approved.
4. Verify that users receive a notification when they get a friend request.
5. Verify that users receive a notification when they get tagged by someone on posts or comments.

6. Verify that users receive a notification when they get comments, like or reactions on their posts.
7. Verify that users receive notification when someone posts on their timeline.

Test Scenarios of WhatsApp

Test Cases for WhatsApp

1. Verify that on downloading the WhatsApp application, users can register using a new mobile number.
2. Verify that for a new mobile number user will get a verification code on his mobile and filling the same verifies the new user account.
3. Check the maximum number of incorrect attempts allowed while filling the verification code.
4. Verify that registering an existing mobile number for new user account registration is not allowed.
5. Verify that on successful registration all the contacts in user's contact directory get imported to the WhatsApp contact list.
6. Verify that the user can set DP and status on WhatsApp.
7. Verify that the user can update the existing DP and WhatsApp status.
8. Verify that the user can send messages to any individual selected from his contact list.
9. Verify that 'Chats' window contains all the chat list with DP and name and last message preview of the other person with whom chat was initiated.
10. Verify that clicking a chat in the chat list opens a new window containing all the chats received and sent with the other person.
11. Verify that the user can check the message delivered and read time for a message in the 'Message Info' section.
12. Verify that the user can share or receive contact with the other person.
13. Verify that the user can create a group adding multiple people from his contact list.
14. Verify that the user can send and receive the message in group chats.

15. Verify that users can send and receive images, audio, video, emoticons in the chat with individuals.
16. Verify that users can send and receive images, audio, video, emoticons in group chats.
17. Verify that the user can send and receive chats in secondary languages available.
18. Verify that users can delete text, images, audio, video messages within a chat.
19. Verify that users can clear complete chat history in an individual or group chat.
20. Verify that users can archive chats in an individual or group chat.
21. Verify that users can block a user to prevent any message from getting received from the blocked contact.
22. Verify that the user makes WhatsApp calls to the person in his contact list.
23. Verify that the user can receive WhatsApp calls from person in his contact list.
24. Verify that users can mark chats as favorite and access all chats marked as favorite from the 'Favorites' section.

Chat settings test scenario

1. Verify that the user can set a chat wallpaper.
2. Verify that user set privacy settings like turning on/off last seen, online status, read receipts, etc.
3. Verify that user can update notification settings like – notification sound, on/off, show preview for both group and individual chats.
4. Verify that the user can take the complete chat backup of his chats.
5. Verify that the user can update his phone number that is used by the WhatsApp application.
6. Verify that the user can disable/delete his Whatsapp account.
7. Verify that the user can check data usage by images, audio, video, and documents in WhatsApp chats.

Test scenarios for Mobile Phone

1. Verify that all the required buttons- numbers 0-9, calling buttons etc are present
2. Verify that the user can make a call by pressing numbers and hitting calling(green) button
3. Verify that user can make a call by selecting a contact person from the phone directory
4. Verify that the user can reject an incoming call
5. Verify that the user can receive an SMS
6. Verify that the user can type and send an SMS
7. Verify that the dimension of the mobile is as per specification
8. Verify the screen size of the mobile
9. Verify that the weight of the mobile is as per the specification
10. Verify the font type and size of the characters printed on the keypad
11. Verify the color of the mobile phone's outer body and characters printed on keypad
12. Verify the pressure required to press a key on the keypad
13. Verify that spacing between the keys on the keypad are adequate
14. Check the type of mobile- smartphone or normal
15. Check if the mobile is colored or black-white
16. Check the lighting on the mobile screen is adequate- verify in dark daylight
17. Check if a mobile phone can be locked out without password or pin
18. Check if mobile phone can be locked out with password or pin
19. Verify that the mobile phone can be unlocked with/without password
20. Verify that the user can receive a call when the phone is locked
21. Verify that receiving a call when phone is locked, doesn't unlock it after call completion
22. Verify that user can select an incoming call and SMS alert ringtone
23. Verify that the user can make silent or vibrate mode or incoming calls and SMS
24. Verify the battery requirement of the mobile
25. Verify the total time taken to charge the mobile completely

26. Verify the total time for mobile to get completely discharged when left idle
27. Verify the total talk for mobile to get completely discharged when continuously used in conversation
28. Verify the length of charger wire
29. Verify that mobile can be switched off and ON
30. Verify that user can store contact details on the phone book directory
31. Verify that user can delete and update contact details in the phonebook directory
32. Verify that Call logs are maintained in the Call Logs
33. Verify that received and Sent SMSs are saved in mobile
34. Verify that user can silent the phone during an incoming call
35. Verify the auto-reject option can be applied and removed on particular numbers

Test cases for Online Shopping Application | Ecommerce Website Testing.

General Test Cases for Ecommerce Application

1. Verify that the user is able to navigate through all the products across different categories.
2. Verify that all the links and banners are redirecting to correct product/category pages and none of the links are broken.
3. Verify that the company logo is clearly visible.
4. Verify that all the text – product, category name, price, and product description are clearly visible.
5. Verify that all the images – product and banner are clearly visible.
6. Verify that category pages have a relevant product listed specific to the category.

7. Verify that the correct count of total products is listed on the category pages.
8. Search – Verify that on searching all the product satisfying the search criteria are visible on the search result page.
9. Search – Verify the more relevant product for the search term is displayed on the top for a particular search term.
10. Search – Verify that count of products is correctly displayed on the search result page for a particular search term.
11. Filtering – Verify that filtering functionality correctly filters products based on the filter applied.
12. Filtering – Verify that filtering works correctly on category pages.
13. Filtering – Verify that filtering works correctly on the search result page.
14. Filtering – Verify that the correct count of total products is displayed after a filter is applied.
15. Sorting – Verify that all the sort options work correctly – correctly sort the products based on the sort option chosen.
16. Sorting – Verify that sorting works correctly on the category pages.
17. Sorting – Verify that sorting works correctly on the search result page.
18. Sorting – Verify that sorting works correctly on the pages containing the filtered result, after applying filters.
19. Sorting – Verify that product count remains intact irrespective of sorting option applied.

Product Buy Flow – Test cases for Ecommerce Website

1. Verify that on the product page, the user can select the desired attribute of the product e.g. size, color, etc.
2. Verify that the user can add to cart one or more products.
3. Verify that users can add products to the wishlist.
4. Verify that the user can buy products added to the cart after signing in to the application (or as per the functionality of the website).
5. Verify that the user can successfully buy more than one product that was added to his/her cart.
6. Verify that the user cannot add more than the available inventory of the product.

7. Verify that the limit to the number of products a user can buy is working correctly by displaying an error message and preventing the user from buying more than the limit.
8. Verify that the delivery can be declined for the places where shipping is not available.
9. Verify that the Cash on Delivery option of payment is working fine.
10. Verify that the different pre-paid methods of payments are working fine.
11. Verify that product return functionality works fine.

User(Buyer) Registration – Test cases

1. Verify that all the specified fields are present on the registration page.
2. Verify that the required/mandatory fields are marked with * against the field.
3. Verify that for better user interface dropdowns, radio buttons and checkboxes, etc fields are displayed wherever possible instead of just textboxes
4. Verify the page has both submit and cancel/reset buttons at the end.
5. Verify that clicking submits button after entering all the required fields, submits the data to the server.
6. Verify that clicking cancels/reset button after entering all the required fields, cancels the submit request, and reset all the fields.
7. Verify that whenever possible validation should take place at client side
8. Verify that not filling the mandatory fields and clicking the submit button will lead to validation error.
9. Verify that not filling the optional fields and clicking the submit button will still send data to the server without any validation error.
10. Check the upper limit of the textboxes.
11. Check validation on the date and email fields (only valid dates and valid email IDs should be allowed).
12. Check validation on numeric fields by entering alphabets and special characters.
13. Verify that leading and trailing spaces are trimmed.
14. Verify that entering blank spaces on mandatory fields leads to validation error.

15. Verify that after making a request to the server and then sending the same request again with the same unique key will lead to server-side validation error.

Seller – Product creation Test cases

1. Verify that authenticated sellers get access to product creation panels specific to the authorized categories.
2. Verify that the product creation panel is working fine for single product creation.
3. Verify that the product creation panel is working fine for multiple product creation.
4. Verify that the maximum product creation limit for the seller is working fine, limiting the seller to create more than the desired number of products.
5. Verify panel validation for checking mandatory fields.
6. Verify that duplicate product creation is restricted through the panel.
7. Verify that seller can update the information and price of existing products.
8. Verify that products created by sellers get visible on the website after a certain period of time.
9. Verify that updates made by the seller get visible on the website after a certain period of time.

Test Cases for Login Page

UI Test Scenarios for Login Page

1. Verify that all the labels and controls including text-boxes, buttons, and links are present on the Login page.
2. Check that the font type and size of the labels and the text written on the different elements should be clearly visible.
3. Verify that the size, color, and UI of the different elements are as per the specifications.

4. Verify that the application's UI is responsive i.e. it should adjust to different screen resolutions and devices.

Functional Test Scenarios for Login Page

1. Verify that as soon as the login page opens, by default the cursor should remain on the username textbox.
2. Verify that the user is able to navigate or access the different controls by pressing the 'Tab' key on the keyboard.
3. Check if the password is in masked form when typed in the password field.
4. Check if the password can be copy-pasted or not.
5. Verify that the user is able to login by entering valid credentials and clicking on the 'Login' button.
6. Verify that the user is able to login by entering valid credentials and pressing Enter key.
7. Check that the user is not able to login with an invalid username and password.
8. Verify that the validation message gets displayed in case the user leaves the username or password field as blank.
9. Check that the validation message is displayed in the case the user exceeds the character limit of the user name and password fields.
10. Verify that reset button functionality on the login page. Clicking on it should clear the textbox's content.
11. Verify if there is a checkbox with the label "remember password" on the login page.
12. Verify that closing the browser should not log-out an authenticated user. Launching the application should lead the user to login state only.

Security Test Cases for Login Page

1. Verify that there is a limit on the total number of unsuccessful login attempts. So that a user cannot use a brute-force mechanism to try all possible combinations of username-password.
2. Verify that in case of incorrect credentials, a message like "incorrect username or password" should get displayed. Instead of an exact message pointing to the incorrect field. This is because a message like "incorrect password" will help a hacker in knowing that the username is correct. In this way, he will just need to try a different combination on the password field only.
3. Verify the login session timeout duration. So, that once logged-in a user cannot be authenticated for a life-time.
4. Verify that once logged in, clicking the back button doesn't logout the user.
5. Verify if SQL Injection attacks work on the login page. The application should not be vulnerable to SQL injection attacks.
6. Verify that XSS vulnerability should not work on the login page.

Test Cases for Password and Forgot Password Functionality

Test Cases for Password

1. Verify if the login is possible with a valid password.
2. Verify if the separate row for entering the password is visible.

3. Verify the limit of characters for password matches with the specified range.
4. Check if the password is masked or visible in the form of asterisks to ensure secured login.
5. Check if the backspace or delete keys help in removing entered information in case wrong credentials are entered.
6. Check if an error message appears for an invalid password.
7. Check if the login is possible with the new password after the password is reset.
8. Verify that login is not possible with the wrong credentials.
9. Verify that login is only possible within the specified time limit after the password is entered.
10. Verify if the font size, color, and style match the specified requirements.

Test Cases for Forgot Password

1. Check if the forgot password option is shown right after the wrong password is entered.
2. Verify if the forgot password link is working correctly and landing on the correct page.
3. Check if the forgot password link is directed to the right page (i.e. forgot password page).
4. Verify if the link to change the password is sent to the user's email id only.
5. Verify if the security questions asked are the same as the user entered during sign up.

6. Check if a wrong answer is entered to any security question, it should not proceed to the next question.
7. Verify if the new password matches with required specifications for characters (e.g. special characters, upper case characters, numeric, etc.)
8. Verify if the login is possible with the newly changed password.
9. Check if the link gets dissolved once the user has set a new password.
10. Check if the link is live/applicable for one-time use only.
11. Verify that the link is working only for a specified amount of time and then shows a time-out message.
12. Verify that the user should not be allowed to request forgot password frequently.

Test Cases for Registration Page

Test Cases for Signup Page



Username

Password

☐ Remember Me



1. Verify that all the specified fields are present on the registration page.
2. Verify that the required/mandatory fields are marked with * against the field.
3. Check that for better user interface dropdowns, radio buttons and checkboxes, etc. fields are displayed wherever possible instead of just text boxes.
4. Verify the page has both submit and cancel/reset buttons at the end.
5. Verify that clicking submits button after entering all the required fields, submits the data to the server.
6. Check that clicking the cancel/reset button after entering all the required fields, cancels the submit request, and reset all the fields.
7. Verify that whenever possible validation should take place at the client-side.

8. Check that not filling the mandatory fields and clicking the submit button will lead to a validation error.
9. Verify that not filling the optional fields and clicking the submit button will still send data to the server without any validation error.
10. Check the upper limit of the textboxes.
11. Verify validation on the date and email fields (only valid dates and valid email ids should be allowed).
12. Check validation on numeric fields by entering alphabets and special characters.
13. Check that leading and trailing spaces are trimmed.
14. Verify that entering blank spaces on mandatory fields leads to the validation error.
15. Verify that after making a request to the server and then sending the same request again with the same unique key will lead to the server-side validation error.

Test Scenarios of Computer Mouse



1. Check if the mouse is an optical mouse or not.
2. Verify that left-click and right-click buttons are working fine.
3. Check if the double click is working fine.
4. Verify the time duration between two left clicks, in order to consider it as a double click.
5. Check if the scroller is present at the top or not.
6. Verify the speed of the mouse pointer.
7. Check the pressure required for clicking the mouse buttons.
8. Verify the acceleration of the mouse pointer.
9. Verify that clicking the button and dragging the mouse operation is working fine(drag and drop functionality).
10. Check the dimension of the mouse, if it's suitable to grip and work.
11. Verify that the mouse works in all the allowed surfaces.
12. Check if the mouse is a wireless mouse or corded mouse.
13. In the case of wireless mouse, check the range up to which the mouse remains operational.
14. In the case of a wireless mouse, check the battery requirement of the mouse.

15. Check if there is an option to switch on or mouse.

Test Scenarios of Keyboard

1. Check if all the keys- characters, numeric, function, special characters, and arrow keys are present
2. Verify the ordering of the keys is as per the QWERTY standard
3. Check the functioning of each type of key- characters, numeric, function, special characters, and arrow keys
4. Verify the working of the keys that work in combination like- shift+{other keys}
5. Check if the dimension of the key is as per the specification
6. Check the color of both keyboard body as well as the text written over the buttons
7. Check if the font type and size is as per the specification and legible
8. Check if the pressure required to press a key is not too high
9. Check the spacing between two keys, keys should not be congested and at the same time not too widely placed
10. Verify that in case of caps lock and other similar keys- an indicator light glows
11. Check if keys don't make too much noise when clicked
12. Verify if the keyboard is a wireless or wired keyboard
13. In case the keyboard is wireless, verify the range of keyboard
14. In case of a wired keyboard, check the length of the keyboard
15. Verify if the keyboard contains multimedia functions as well

Test scenarios of Google Search

1. verify that the response fetched for a particular keyword is correct and related to the keyword, containing links to the particular webpage
2. Verify that the response are sorted by relevancy in descending order i.e. most relevant result for the keyword are displayed on top
3. Verify that response for multi word keyword is correct
4. Verify that response for keywords containing alphanumeric and special characters is correct

5. Verify that the link title, URL and description have the keyword highlighted in the response
6. Verify auto-suggestion in Google e.g. providing input as 'face' should give suggestions like 'Facebook', 'Facebook messenger', 'Facebook chat' etc.
7. Verify that response fetched on selecting the suggested keyword and on providing the keyword directly should be same
8. Verify that the suggestion provided by Google are sorted by most popular/relevant suggestions
9. Verify that user can make search corresponding to different categories – web, images, videos, news, books etc. and response should correspond to the keyword in that category only
10. Verify that misspelled keyword should get corrected and response corresponding to the correct keyword should get displayed
11. Verify that multi word misspelled keywords also get corrected
12. Verify the performance of search- check if the time taken to fetch the response is within the ballpark
13. Verify that total number of results fetched for a keyword
14. Verify that the search response should be localised that is response should be more relevant to the country/area from which the search request is initiated
15. Verify Google calculator service- make any arithmetic request, calculator should get displayed with correct result
16. Verify Google converter service- make request like- 10USD in INR and check if the result is correct
17. Verify search response for a large but valid strings
18. Verify that incorrect keywords – keywords not having related result should lead to "did not match any documents" response
19. Verify that user can make search using different languages
20. Verify that for a keywords, some related search terms are also displayed to aid user's search
21. Verify that for number of results more than the limit on a single page, pagination should be present, clicking on which user can navigate to subsequent page's result
22. Verify Google's advanced search options like- searching within a website, searching for files of specific extension

23. Verify if the search is case-insensitive or not
24. Verify the functionality of "I'm feeling Lucky" search- the top most search result should get directly returned (but as of now google doodle page link is displayed)

UI Test Cases for Google Search

1. Verify that Google Logo is present and Centre aligned
2. Verify that the search textbox is center aligned and editable
3. Verify that search request should get hit by clicking on search button or hitting enter after writing the search term
4. Verify that in the search result- webpage's title, URL and description are present
5. Verify that clicking the search result will lead to the corresponding web page
6. Verify that pagination is present in case number of results are greater than the maximum results allowed in a page
7. Verify that user can navigate to a page number directly or move to previous or next page using the links present
8. Verify that different languages links are present and gets applied on clicking the same
9. Verify that the total number of results for the keyword is displayed
10. Verify that the time taken to fetch the result is displayed

Test Scenarios of Notepad

1. Verify that on launching the notepad application, the notepad editor should open with its default size.
2. Verify that users can write/type alphabets from a standard keyboard.
3. Verify that the user can type numeric from a standard keyboard.
4. Verify that the user can type special characters and symbols on the notepad editor window.
5. Verify that by default the font size is normal or as per the specifications.
6. Verify that the user can set the font size and family.
7. Verify that the user can save the text in a file.

8. Verify that the user can open any existing file in notepad.
9. Verify that file formats not permitted by notepad are not loaded and don't corrupt the application.
10. Verify that the user can append text to any file and again save the file.
11. Verify that users can select, copy, and paste the text.
12. Verify that users can select, cut, and paste the text.
13. Verify that the user can select and delete a text.
14. Verify that the user can delete a text using backspace and delete buttons.
15. Verify that the user can navigate through the text in a file using the arrow keys.
16. Verify that the user can navigate through the text in a file using the mouse pointer.
17. Verify that the user can edit and delete data in between the text file.
18. Verify that the user can undo any latest change done in the file.
19. Verify that the user can redo any change undone by undo option.
20. Verify that the user can search for single or multiple characters and words through the file.
21. Verify that the user can search and replace single or multiple characters and words through the file.
22. Verify that the user can resize the notepad window.
23. Verify that the user can minimize the notepad editor window.
24. Verify that the user can maximize the notepad editor window.
25. Verify that the user can close the editor window by clicking the cross icon.

Test Cases for Date field or Calendar

Positive Test Cases for Date Field

1. Verify that on clicking the date field, a calendar widget should open.
2. Verify that the default width of the calendar should be displayed as per the specification.

3. Verify that the calendar widget's dimensions should be responsive as per the device and screen size.
4. Verify that the user can select a date in the calendar and after selecting the date the same gets displayed in the date field.
5. Verify that by default the current month's calendar should be displayed.
6. Verify that the user can move to previous and next month's calendar by choosing the left and right icon over the calendar.
7. Verify that the user can check the calendar of a particular month of any year.
8. Verify that the user can enter a date manually on the date following the date format.
9. Verify the date format supported by the calendar e.g. – dd/mm/yy, mm/dd/yy etc.
10. Verify that the user can also edit a date that is already set in the calendar.
11. Verify that values other than numeric should not be allowed in the date field (apart from the characters used in the date format like '/' or '-').
12. Verify that invalid dates are not allowed in the date field (like date value exceeding 31, month value exceeding 12, etc.).
13. Verify the oldest possible date that can be set on the calendar.
14. Verify the last possible date that can be set on the calendar.

Negative Test Cases for Date Field

1. Verify the state of the calendar widget on entering special characters, either the special characters should not be allowed and in the case allowed, they should get discarded while setting a date.
2. Verify the state of the calendar widget on entering foreign language characters on the editable date field.
3. Check the UI of the calendar widget on extremely small and extremely large screen sizes.

Test Scenarios of YouTube

Test Scenarios for Video Uploader

Functionality

1. Verify that user can upload single video or allowed format and size successfully.
2. Verify that while uploading user should select the video license and type of video along with its attributes like- name, artist name, company etc.
3. Verify the maximum size of video that is permitted to upload and check that any attempt to upload video of size greater than the allowed value results in an error message.
4. Verify if there is any minimum size of video that is permitted to upload and any attempt to upload file size less than specified results in error message.
5. Verify all the video formats that are allowed to upload – .mp4, .3gp, .avi etc. and check that uploading file formats other than allowed results in error message.
6. Verify that uploading blank file should result in error message.
7. Verify that user can upload multiple videos or allowed format and size successfully.
8. Verify that uploaders get notification of comments posted on the videos uploaded by them.
9. Verify that user can view likes, dislikes and comments for their videos.
10. Verify that user can reply to the comments posted in their videos.

Test scenarios for Video Viewing

Functionality

1. Verify that video page can be opened by direct link to a video.
2. Verify that on clicking the video play icon over the video, the video should play.
3. Verify all the video player controls- play, pause, volume, mute etc.
4. Verify that user can select the allowed video quality for playing the video.
5. Verify that once the video is complete, user can replay the video using 'replay' icon.

6. Verify that video should be searchable by name, displaying the most relevant video on the top in search results.
7. Verify that other attributes of video like artist name, description should also be searchable.
8. Verify that user should get auto suggestions while searching for videos in the YouTube search bar.
9. Verify that search results should display information like video name, thumbnail, video length, view counts etc.
10. Verify that clicking the video thumbnails in the search results should lead to video page.
11. Verify that video filtering and sorting option while searching for video like – sort by view count, like, upload date etc.
12. Verify that user can view 'view count', 'comments', 'like' and 'dislikes' for a video.
13. Verify that with each view the 'view count' increases by one.
14. Verify that user can like or dislike a video and the corresponding count should increase by one.
15. Verify that user can comment in the comments section.
16. Verify that user should be presented with related videos in the sidebar section.
17. Verify that the related videos are related to the current video or is based on the past viewing history of user.
18. Verify that clicking related video thumbnail should open the video.
19. Verify that for age restricted video, user is asked to login to YouTube account.
20. Verify that logged-in user should see their history as well as recommended videos in the home page.
21. Verify that every video viewed goes to history for logged in user..
22. Verify that user can view or delete history items.

Test Cases for Pencil

1. Verify that the text written with the pencil is readable/legible.
2. Verify that the user can write smoothly on different types/quality of paper surfaces.

3. Check that the darkness/color of the text written by pencil is as per the specifications.
4. Check the strength of the lead, it should not break when a specified (normal human) pressure is applied.
5. Verify that the text written by pencil can be erased by normal erasers.
6. Verify that the quality and strength of the pencil's wood.
7. Check whether the outer body of the pencil is circular or some polygon shape.
8. Verify that the length and radius of the pencil are as per the specification.
9. Verify that the weight of the application is as per the specification.
10. Verify that the pencil can be sharpened easily by a normal sharpener.
11. Verify the total length of text written by a complete pencil.
12. Verify the total length of text written before you need to sharpen the pencil again.
13. Verify that the pencil writes on the normally specified surfaces clearly.
14. Verify the outer coloring of the pencil's paint.
15. Check if the pencil writes when putting in water for some time.
16. Check the quality and strength of the pencil when immersed in water for some time.
17. Check that the text written by pencil gets erased or not when the paper is immersed in water and later dried.

Test Cases for Online Examination System

Test Scenarios for Setting Exam Functionality

1. Verify that the application has a portal to add subject wise questions and their options.
2. Verify that the examiner can set the examination details like 'Exam Name', 'Subject', and 'Exam Code' etc.

3. Verify that the examiner can set the total number of questions and based on the number of questions, the examiner is presented with the window to add question details.
4. Verify that the examiner can set details for each question – Question, Options, and Marks etc.
5. Verify that the examiner can set or leave the option of negative marking.
6. Verify that the examiner can set the passing marks for clearing the exam.
7. Verify that the examiner can set time duration for the whole exam or for individual questions if required.

Test scenarios for Student's section

1. Verify the student can choose the examination based on the exam name or code.
2. Verify that the student should see the options to fill the required details like name, roll number, etc. before starting the exam.
3. Verify that after filling the required details user should see the option to begin the exam along with instructions.
4. Verify that once the examination begins a timer gets started based on the test duration.
5. Verify that for each question user is presented with an option for multiple-choice questions (MCQ) type questions.
6. Verify that the user can chose single (radio button) or multiple (checkbox) option based on the type of questions.
7. Verify that on question's window user is presented with options to move to the previous or next question.
8. Verify that once all the questions are answered or passed user can end the test.
9. Verify that if the time duration for the test gets reached the test automatically ends.
10. Verify that once the test is submitted, the test evaluation is performed considering the positive and negative marking.
11. Verify that on evaluation user is presented with Pass/Fail status along with Marks secured, questions attempted etc.

Test Cases for Door

1. Verify if the door is single door or bi-folded door
2. Check if the door opens inwards or outwards
3. Verify that the dimension of the doors are as per the specifications
4. Verify that the material used in the door body and its parts is as per the specifications
5. Verify that color of the door is as specified
6. Verify if the door is sliding door or rotating door
7. Check the position, quality and strength of hinges
8. Check the type of locks in the door
9. Check the number of locks in the door interior side or exterior side
10. Verify if the door is having peek-hole or not
11. Verify if the door is having stopper or not
12. Verify if the door closes automatically or not – spring mechanism
13. Verify if the door makes noise when opened or closed
14. Check the door condition when used extensively with water
15. Check the door condition in different climatic conditions- temperature, humidity etc.
16. Check the amount of force- pull or push required to open or close the door

Test Scenarios of car

Positive Test Cases for Car

1. Verify that car should get unlocked and start smoothly on unlocking with its key
2. Verify that car gets driven smoothly at normal speed on road and under normal climatic condition
3. Verify that clutch, break and accelerator functions are working correctly
4. Verify the engine type of car – whether it is Petrol, Diesel or CNG engine

5. Verify the car's performance on different types of roads- charcoal, cement etc.
6. Verify car's performance and fuel consumption on plains, hills and slopes
7. Verify that the mileage of the car is as per the specification
8. Verify that the dimensions of the car are as per the specification
9. Check if the car is sports car or luxury car
10. Check that the fuel capacity is as per the specification
11. Check if the steering is power steering or not
12. Check if gears are automatic or manual
13. Verify if the reverse gear of the car works correctly
14. Check if the height of the car's floor is at an optimum distance from road
15. Verify the top speed of the car under normal conditions
16. Verify the maximum acceleration of the car
17. Verify the car's outer body material
18. Check if the car's pane is made of tempered glass or not
19. Check the number of seats in the car
20. Check if the hand brakes are functional or not
21. Verify that brakes work correctly and gets applied in a timely manner or not
22. Verify the type and power of battery
23. Check if the headlights are working fine and give proper lighting when applied at night/dark
24. Verify the shock absorber of the car
25. Verify if the air bags are present or not and are functional if present
26. Check if center locking is present or not and is functional if present
27. Check if the seat belts are present and are functioning correctly
28. Verify car's interior- spacing, material, quality etc.
29. Verify if the speedometer, fuel meter and other indicators are working fine or not
30. Verify cars performance, tire's grip on driving the car on rainy day
31. Verify that car should get started and run smoothly on using it after several days
32. Check the automatic car lock functionality
33. Verify that car's back light should get lightened on reversing the car
34. Verify that left and right indicators should function correctly

35. Check if anti-theft alarm is working correctly or not

Negative Test Cases for Car

1. Verify the car's functioning on filling it with non-prescribed fuel type
2. Drive car at high speed on first gear only
3. Keep the air pressure different on all the four tire's and then drive the car
4. Use hand break while driving the car
5. Try to start the car with some other key
6. Check the condition of tire's on filling them at pressure higher than prescribed
7. Check the condition, speed and fuel consumption of car on filling the tire's with pressure less than prescribed
8. Check car's speed, performance and fuel consumption on driving the car on roads not conducive for driving

Test Cases for White Board Marker

Test Cases for Marker

1. Verify if the marker's outer body is made of specified material (plastic, fiber, metal, etc).
2. Check that the marker has the name of the company that manufactured it.
3. Verify that the logo of the manufacturing company is clearly printed or embossed.
4. Check if the body of the marker is sturdy, rugged, and unbreakable to an extent.
5. Verify that the outer cover's color matches with the ink of the marker providing an idea of the marker's ink just by seeing the outer body.

6. Check if the bar code is printed so as to identify each marker.
7. Verify the weight of the marker and the specified weight. Make sure it's light-weighted (if not specified) for a smooth writing experience.
8. Check if the body is neither too thick nor too slender for comfortable gripping.
9. Check if the marker is refillable so as to avoid wastage.
10. Verify the tip of the marker. It should be neither too thin nor flat to assist user comfortability.
11. Check the smoothness of the marker.
12. Check if the ink is neither permanent nor getting easily rubbed off. This will ensure easy use of it on whiteboards.
13. The ink should be eye-pleasing.
14. The ink should not release any pungent smell.
15. The life of the marker should be as per the standards.
16. Verify the refill is of optimum quantity so as to make it cost-effective.
17. Check if the marker is working even if held at various different angles.
18. Verify that there is slight friction between the tip and the board so as to not make it slippery or uncomfortable while writing.
19. Check if the ink does not leak if the marker is held in different positions.
20. The marker should be able to write on boards as well as on similar surfaces like paper.

Test scenarios of Bike

UI Test Cases for Bike

1. Verify that design and dimension of the application are as per the specifications.
2. Verify that the different colors used in the bike are of the correct shades as per the specifications.
3. Verify that the weight of the bike is as per the specifications.
4. Check the material used in different parts of the bike – outer body, tires, seat, etc.

Positive Test Cases for Bike

1. Check if the bike is of type electric start, manual start or both.
2. Verify that the bike starts smoothly using the available options.
3. Check the amount of force to kick-start the bike.
4. Verify that bike runs smoothly and attain desired speed when accelerated.
5. Verify that the maximum speed attained by bike is as per the specification.
6. Verify that the maximum acceleration attained by bike is as per the specification.
7. Verify that noise made by bike is within the acceptable decibel levels.
8. Verify that both the brakes work correctly.
9. Verify that clutch works correctly.
10. Check the number of gears in bike.
11. Verify that user can change the gear from lower to higher.
12. Verify that user can change the gear from higher to lower.
13. Verify that bike can be ridden on all types of road surfaces – charcoal, cement, wet road etc.
14. Verify that bike can be ridden on all weather conditions.
15. Verify that bike can be ridden on slop and ramp.
16. Verify the mileage of the bike is as per the specification when driven on the standard surface.
17. Check the pick-up of the bike.

18. Check the fuel tank capacity of the bike.
19. Check the fuel type requirement.
20. Verify that the pollution is within the permissible limit.
21. Verify that the fuel meter displays the correct status of fuel.
22. Verify that speedometer displays correct speed of the bike.
23. Verify that the dashboard displays all the information correctly.
24. Verify that indicators and indicator light works correctly.
25. Verify that the headlight works correctly.
26. Check if the bike has reserve oil or not.
27. Verify that the horn works correctly.

Negative Test Cases for Bike

1. Check if the bike starts when fuel other than prescribed fuel is filled in the bike.
2. Check the condition of the bike when tires are filled with pressure less or more than specified.
3. Check the condition of the bike when both the tires have different air pressure.
4. Check the bike's condition when it is ridden at high speed on first gear only.

Test Scenarios for TV

1. Verify the dimensions of the TV – length, breadth and height are as per the specifications
2. Check the TV technology type – LED, LCD etc.
3. Verify that the screen resolution of the TV is as per the specifications
4. Check the material used for outer body of TV
5. Check the material used for screen of TV
6. Verify that on supplying specified power supply, TV gets switched on after pressing 'Power' button
7. Verify that all the buttons on TV perform their functioning correctly

8. Verify that TV screen clearly displays videos
9. Verify that audio of TV is audible without any noise
10. Verify that buttons in TV have clearly visible labels indicating their functionality
11. Verify that buttons in TV function correctly when pressed
12. Verify that remote's signal receiver receives signal within a specified range