**Test cases for Google Search**

1. Verify that the response fetched for a particular keyword is correct and related to the keyword, containing links to the webpage
2. Verify that the response is sorted by relevancy in descending order i.e., most relevant result for the keyword is 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 keyword, 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 the functionality of “I’m feeling Lucky” search- the topmost search result should get directly returned (but as of now google doodle page link is displayed).

**UI Test cases:**

1. Verify that Google Logo is present, and centre aligned
2. Verify that the search textbox is centre 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.