



Assignment NO-01.

* Aim: write TEST scenario for Login Page.

* Theory:

A test scenario is a document that covers the end-to-end functionality of the s/w very briefly, mostly in one line, from an end user perspective.

The scenario is intended to simulate a real-life situation the user will face while using the s/w.

Let us write TEST scenario for Google login page:

① FUNCTIONAL TEST CASES:-

SrNo	Functional Test cases	Type Negative/ Positive Test case
1.	Verify if a user will be able to login with a valid username & valid password.	Positive
2.	Verify if a user cannot login with valid username & invalid password	Negative
3.	Verify if the login page for both, blank field & submit button is clicked.	Negative
4.	Verify the 'Forgot Password' functionality	positive
5.	Verify the messages for invalid login	Positive



Sr No	Functional Test case	Type
6.	Verify the 'Remember Me' functionality	positive
7.	Verify data in password field is either visible as asterisk or bullet signs	positive
8.	Verify if a user is able to login with a new password only after he/she has changed it.	positive
9.	Verify if login page allows you to login simultaneously with different credentials in a different Browser	positive
10.	Verify if the 'Enter Key' of the keyboard is working correctly in login page.	positive
#	Other Test cases:	
11.	Verify if there is a 'cancel' button available to erase the entered text.	Usability Testing
12.	Verify the login page & all its controls in different browsers.	Browser compatibility & Positive testing
13.	Verify time taken to login with valid username & password.	Performance & Positive Testing.



NON-FUNCTIONAL TEST CASES :

Sr No

Non functional security Test cases.

Type

1. Verify if user cannot enter characters more than the specified range in each field (username & password)

Positive

2. Verify the login page by pressing 'Back button' of the browser , it should not allow you to enter into the system once you long logout .

Negative

3. Verify the timeout functionality of the login session .

Positive

4. Verify if the user should not be allowed to login with different credentials from the same browser at the same time

Negative

5. Verify if a user should not be allowed to login w/ same credentials in diff. browsers at the same time .

Positive

6. Verify login page against SQL injection attack .

Negative

7. Verify the implementation of SSL certificate

Positive

d

Conclusion :-

Hence we have studied the Test cases for Google login page .



Assignment No- 02.

Title: write TEST Scenario for inbox functionality .

Theory:

Test cases for Gmail- inbox functionality

- 1) Verify that a newly received email is displayed at 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 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 are 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 the count of unread emails is displayed alongside 'inbox' text in the left side bar of gmail.

10) Verify the unread email count increases by one on receiving a new email

11) verify that unread email count decrease 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 all users

14) Verify that all received emails are 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 ids-mail ids like - yahoo, Hotmail etc.

* Conclusion:-

Hence we have studied the test cases for inbox functionality by considering an example of gmail inbox.



- Assignment No- 03

* Title:-

Write an the Test cases in excel sheet for social media website or application.

- Theory:

Here we take the example of Facebook website.

The test cases in the excel sheet are represented in a specific format.

The format to write test cases is :-

Sr No	Testcases	Feature	Description	Steps to execute	expected Result
TC-01	TC-01	UI	Check text boxes and buttons	Check page	• UI should be perfect.
:	:	:	:	:	:
:	:	:	:	:	:

* Conclusion:

Hence we have written the test cases for & Facebook website for Facebook Login and Registration page.



Assignment No-05

* Aim/Jtitle:-

Write installation of selenium grid and selenium web driver java eclipse (automation tools).

* Theory: Selenium is an open-source tool and a suite of tools that can automate actions on web browsers.

It supports scripting in 10 different programming languages like Ruby, Java, NodeJS, Python, PHP & c++.

- Selenium grid is a server that allows tests to use web browser instances running on remote machines.

* Prerequisites for configuring selenium in Eclipse:

1) Download Java SE development kit 16.0.2 according to the windows, linux or macOS platform being used.

2) Run the JDK by clicking on file name in download location following the instructions given.

Or install JDK by running the following command.
jdk.exe/s

3) Install Eclipse IDE.



* Install selenium:-

- Download and install selenium to be set up in eclipse.
- Install Browser driver
- for cross Browser testing , download relevant Browser Driver - Chrome driver (for chrome) , Gecko Driver (for firefox) , safariDriver (for safari) & InternetExplorerDriver & msEdgeDriver (IE & edge).
- Place these Browser driver files in a directory that is part of the environment path .
- Install Java Language Bindings
 - Version (latest available) eg 3.141.59 (2018)
 - Changelog
 - API Docs

* How to configure selenium in Eclipse:-

Step 1: launch Eclipse

Step 2: Create workspace in Eclipse

eg : 'C:\BrowserStack' named workspace , which will store all the test scripts .

Launch the Browserstack workspace .

Step 3: Create a new Java project in the Browserstack workspace (or the one you have created)

Create a new Java Project in the workspace by clicking on file > New > Java Project & name it .



Creating a new Java Project

Step 4: create Package and class under the java project.

By clicking on src folder (which is the source folder), create a new package & name it (eg Browserstack). Then right-click on the package name & create a class.

* Conclusion :

Hence we have studied the installation of selenium grid & selenium web drive Java Eclipse.