

---

## Experiment No. - 2

**Student Name: Vivek Kumar**

**Branch: BE-CSE(LEET)**

**Semester: 6<sup>th</sup>**

**Subject Name: Software Testing Lab**

**UID: 21BCS8129**

**Section/Group: 20BCS-ST-801/B**

**Date of Performance: 17/02/2023**

**Subject Code: 20CSP-380**

➤ **Aim/Overview of the practical:**

Test plan for online websites like Rediff and LinkedIn.

➤ **Test Plan for Rediff:**

**1. Functionality Testing:**

- Verify that the homepage of the website is working properly.
- Check the navigation links to different sections of the website.
- Test the search functionality by entering different keywords.
- Test the registration and login functionality.
- Test the email service and verify the sending and receiving of emails.
- Verify the stock market and finance section of the website.
- Test the shopping section and verify the product ordering process.
- Test the news section and verify the articles and videos.

**2. Performance Testing:**

- Check the website response time and loading speed.
- Verify that the website can handle multiple users simultaneously.
- Test the website's capacity to handle large volumes of data.

**3. Compatibility Testing:**

- Verify the website's compatibility with different browsers such as Chrome, Firefox, and Safari.
- Test the website's compatibility with different operating systems such as Windows, Mac, and Linux.

**4. Security Testing:**

- Verify the website's SSL certificate.
- Test the website for SQL injection and cross-site scripting (XSS) vulnerabilities.
- Test the login and registration functionality for security vulnerabilities.
- Verify the website's privacy policy and terms of use.

---

**5. Usability Testing:**

- Evaluate the website's user interface design and ease of use.
- Test the website's navigation and menu structure.
- Test the website's search functionality and sorting capabilities.
- Verify that the website is accessible to people with disabilities.

**6. Mobile Testing:**

- Test the website's mobile version for compatibility with different mobile devices.
- Evaluate the website's responsiveness and loading speed on mobile devices.
- Verify the website's usability on mobile devices.

**7. Localization Testing:**

- Verify the website's localization for different languages.
- Test the website's support for different character sets and fonts.

**8. User Acceptance Testing:**

- Conduct a survey among users to gather feedback and suggestions for improvement.
- Evaluate the website's customer support services and responsiveness to user queries and complaints.

---

➤ **Test Plan for LinkedIn:**

**1. Test Objective:**

- The objective of this test plan is to ensure that the LinkedIn website meets all the necessary requirements and provide high-quality user experience.

**2. Scope:**

- The scope of this test plan includes the following aspects of the LinkedIn website:
  - User registration and login
  - Profile creation and editing
  - Job search and application
  - Network building and messaging
  - News feed and content sharing

### **3. Test Cases:**

- User Registration and Login:
  - Verify that the user can register for a new account with a valid email address and password.
  - Verify that the user can log in with the correct email address and password combination.
  - Verify that the user is unable to log in with an incorrect email address or password.
- Profile Creation and Editing:
  - Verify that the user can create a new profile with all the required information.
  - Verify that the user can edit their profile information and save the changes.
  - Verify that the changes made to the profile are updated and displayed correctly.
- Job Search and Application:
  - Verify that the user can search for jobs using the search bar and filters.
  - Verify that the user can view the job details and apply for the job.
  - Verify that the user receives a confirmation of their job application.
- Network Building and Messaging:
  - Verify that the user can send and receive connection requests.
  - Verify that the user can send messages to their connections.
  - Verify that the user receives notifications for new messages and connection requests.
- News Feed and Content Sharing:
  - Verify that the user can post updates and articles on their news feed.
  - Verify that the user can share articles and posts from other users.
  - Verify that the user can like, comment and share other users' posts.

### **4. Test Environment:**

- The LinkedIn website will be tested on the latest versions of Chrome, Firefox, Safari, and Edge browsers.
- The testing will be performed on desktop, mobile and tablet devices.

### **5. Test Deliverables:**

- Test cases document
- Test execution report
- Defect report

## 6. Test Schedule:

- Test preparation: 2 days
- Test execution: 7 days
- Test reporting: 1 day

## 7. Test Resources:

- Testers: 2
- Test devices: 5
- Test environment setup and maintenance: 1 person

## 8. Risks and Assumptions:

- Risk: Possible downtime of LinkedIn website during testing
- Mitigation: Perform testing during non-peak hours and inform the stakeholders in advance
- Assumption: Test environment accurately represents the production environment.

## 9. Sign off:

- The LinkedIn website will be considered tested and signed off once all the test cases are executed and the results are satisfactory.

### Evaluation Grid (To be created per the faculty's SOP and Assessment guidelines):

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.	Worksheet completion including writing learning objectives/Outcomes. (To be submitted at the end of the day).		
2.	Post-Lab Quiz Result.		
3.	Student Engagement in Simulation/Demonstration/Performance and Controls/Pre-Lab Questions.		
	Signature of Faculty (with Date):	Total Marks Obtained:	