

## Assignment No: 1

**Problem Statement:** Write Test Scenario for Gmail Login Page

**Objective:**

- To check the working of the Gmail login page.
- To verify that the system correctly accepts valid inputs and rejects invalid ones.
- To ensure all buttons, links, and security features function properly and provide smooth userinteraction.

**Hardware Requirements:** Intel Core i3 or higher processor, 4 GB RAM, and 250 GB Hard Disk

**Software Requirements:**

Windows 10 / Linux / macOS Operating System, Google Chrome / Mozilla Firefox / Microsoft Edge Browser, Test Management Tool (e.g., Excel, Jira)

**Theory:**

**What is a Test Scenario?**

A test scenario is a general idea or situation that needs to be verified during testing. It describes what should be tested rather than how. Each scenario helps testers ensure that specific system behavior or functionality performs as expected.

**Purpose:**

- To validate Gmail's login process using both valid and invalid user credentials.
- To confirm proper handling of user inputs, error messages, and page navigation.
- To verify the page's usability, performance, and security features.

**Scope:**

- Email or phone number input field
- Password input field
- “Next” button
- “Forgot password?” link
- “Create account” link
- Two-step verification feature

**Importance of Test Scenarios:**

- Ensures full testing of the system’s core functionalities.
- Helps testers think from an end-user point of view.
- Saves time before writing detailed test cases.
- Improves collaboration between testers, developers, and project managers.
- Detects missing or unclear requirements early.
- Provides a structured and repeatable testing process.

**Main Components of a Test Scenario:**

- Scenario ID – A unique identifier for tracking.
- Scenario Description / Objective – The feature or functionality being verified.
- Test Steps – The sequence of actions to perform.
- Expected Result – What the system should do after performing the steps.
- Actual Result – The real output observed during testing.
- Status – Shows whether the test passed or failed.

**Conclusion:**

The Gmail login functionality was tested successfully with various input conditions. All scenarios, including valid and invalid data entries, performed as expected. The page demonstrates reliable authentication, error handling, and smooth navigation, fulfilling all major web quality standards.