

Practical - 01

Subject: Software Testing and Quality Assurance.

Assignment Title: Write Test Scenario for GMAIL login page.

Semester - VII BE.

Instructor - Prof. S.R. Bhise.

Submission Date: 09/08/2025.

AIM: To design and execute comprehensive test scenarios for the Gmail login Page, verifying its functionality, usability and security aspects.

REQUIREMENTS:

- Access to the gmail login URL
- A valid and an invalid Gmail user account
- Modern web browser (eg. Chrome, Firefox)
- Test data with correct and incorrect credentials.
- Reliable internet connectivity.

The observations are attached in form of TEST report.

INFERENCE:

The test scenarios for Gmail Login page were designed and executed utilizing black box testing techniques. This approach focuses on validating the system's external functional behaviour according to specified requirements, without consideration of internal code or logic.

By providing various input combinations (such as valid, invalid credentials, empty fields and security edge cases) and observing the outputs or responses from the application, the robustness, usability, and security of the login functionality were thoroughly assessed.

All results were determined solely by examining the system's outputs in response to user actions, demonstrating that black box testing is effective for verifying user facing features and error handling. This approach ensures that end user interactions with the system meet quality and security standards, independent of the underlying implementation.

CONCLUSION:

These $15 + 15 + 13 = 43$ scenarios cover a wide range of functional, security, usability and boundary conditions, ensuring comprehensive verification of the Gmail Login Page's robustness and user experience.

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