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Assignment <u>Jitle</u>: Test Scenario for gmail login page.

Semester/ Year: VII Sem, 4th Year.

Instructor: Saiprasad Bhise

Submission Date: 23/09/2025.

1) OBJECTIVE:

The purpose of this greey box testing is to validate the gmail page by combining UI level actions with internal knowledge such as authentication APIs, cookies, tokens and session handling.

2) dim :

To ensure the Gmail Login page functions coveredly, is secure against common threats and hardles session, token and ouror cases appropriately.

3) Requirements:

- * Laptop or desktop with windows 10/11, linux Os.
- · Stable internet Connection.
- Web browsers with developer tools (Chrome / Lirefox).
 Optional: Postman, or Burp suite for inspecting grequests.
 Gmail test accounts (with and without MFA enabled).

Procedure-

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- 1. Set up the laptop with browser and internet
 2. Open Gmail login page in Chrome /Fixepox / edge.
 3. Use developer tools to inspect cookies, headers and, network riequest.

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- 4. Execute each test case step by step, entering inputs. as specified.
- 5. Observe the result on the UI and in developer
- 6. Record the expected result versus actual result
- 7 Mark each test as Pass, Fail
- Summarize observations and dejects.

5) CONCLUSION -

The grey box testing of Gmail login page was successfully carried out A total of 40 unique test cases were executed, covering functional flow, internal token and cookie handling, session management and Security validations. Grey box testing proved effective because it combined black box (UI testing) and white box Cinternal inspection) apparoaches ensuring both user end experience and backend mechanisms were validated. and security with minor areas for enhancement in error handling and Ux clarity.