STQA Practical 1

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Problem Statement - Write TEST Scenario for Gmail Login Page. Submit the word file having different UI Test scenarios, Functional Test scenarios and non-functional Test Scenarios(in for of simple statements) for Gmail Login Page.

Solution -

UI Test Scenarios:

1. Verify that the login page displays the Gmail logo and branding.
2. Confirm that the login page has input fields for entering the email address and password.
3. Validate that there is a "Next" button after entering the email address for account verification.
4. Ensure that the "Forgot email?" and "Forgot password?" links are present and functional.
5. Check that the login page has a "Create account" link for new users.
6. Confirm that the login page is responsive and displays correctly on various screen sizes.
7. Verify that appropriate error messages are displayed for incorrect email or password entries.
8. Validate that the login page has a "Stay signed in" checkbox and a "Help" link.

Functional Test Scenarios:

1. Test the functionality of entering a valid email address and password and successfully logging into the Gmail account.
2. Validate the "Next" button functionality for email verification and proceed to the password entry screen.

3. Test the "Forgot email?" functionality by providing recovery options and verifying the email retrieval process.
4. Validate the "Forgot password?" functionality by resetting the password using recovery options.
5. Verify the functionality of clicking the "Create account" link and successfully navigating to the account creation page.

Non-functional Test Scenarios:

1. Performance:
    - Verify the login page load time and ensure it meets the performance criteria.
    - Test the login page's response time to user interactions such as entering credentials.
2. Security:
    - Validate that the login page uses HTTPS for secure communication.
    - Test for any potential vulnerabilities like SQL injection or cross-site scripting.
3. Usability:
    - Evaluate the overall user experience of the login page, considering ease of use and intuitive design.
    - Test the accessibility of the login page for users with disabilities.
4. Compatibility:
    - Verify that the login page is compatible with various web browsers (e.g., Chrome, Firefox, Safari, Edge).
    - Test the login page compatibility on different devices (e.g., desktops, tablets, mobile phones).
5. Reliability:
    - Perform load testing on the login page to ensure it can handle a significant number of login requests simultaneously.
    - Test the login page's reliability by simulating different network conditions (e.g., low bandwidth, high latency).