**Test Cases for GMail – Compose Mail Functionality**

**Verify Compose Button Functionality**:

**Positive Test Case**: Click on the "Compose" button, and ensure that a new frame to compose an email is displayed.

**Negative Test Case**: Click on other buttons or links instead of "Compose" and verify that the compose frame is not displayed.

**Verify Email Recipient Entry:**

**Positive Test Case**: Enter valid email addresses in the 'To', 'cc', and 'bcc' sections, and verify that suggestions appear based on the existing email IDs in the user's email list.

**Negative Test Case**: Enter an invalid email address and ensure that an error message is displayed.

**Verify Multiple Email Recipients:**

**Positive Test Case**: Enter multiple comma-separated email addresses in the 'To', 'cc', and 'bcc' sections, and verify that each address is recognized and displayed correctly.

**Negative Test Case**: Enter a single string of multiple email addresses without commas and verify that the system handles it appropriately.

**Verify Subject Line Entry:**

**Positive Test Case**: Type a subject in the 'Subject' textbox, and verify that the text is entered successfully.

**Negative Test Case**: Leave the subject line empty and attempt to send the email, ensuring that a warning is displayed.

**Verify Email Body Composition:**

**Positive Test Case**: Type an email in the email-body section using formatting options, and ensure that the formatting is applied correctly.

**Negative Test Case**: Attempt to send an email with an empty body, and verify that a warning is displayed.

**Verify Attachment Functionality:**

**Positive Test Case**: Attach a file to the email and verify that the attachment is displayed.

**Negative Test Case**: Attempt to attach a file with an unsupported format and verify that an error message is displayed.

**Verify Image Attachment:**

**Positive Test Case**: Add an image to the email body, select a size, and ensure that the image is displayed as expected.

**Negative Test Case**: Attempt to add an image with an unsupported format or large size and verify that an error message is displayed.

**Verify Email Sending:**

**Positive Test Case**: Enter valid recipient addresses, subject, and email body, and click on the "Send" button. Verify that the email is successfully sent.

**Negative Test Case**: Attempt to send an email without valid recipients, and ensure that an appropriate error message is displayed.

**Verify Sent Mail Storage:**

**Positive Test Case**: After sending an email, check the 'Sent Mail' section, and ensure that the sent email is listed.

**Negative Test Case**: Check 'Sent Mail' when no email has been sent, and verify that it is empty.

**Verify Sending to Non-Gmail Addresses:**

**Positive Test Case**: Send an email to a non-Gmail email address and ensure that it is delivered successfully.

**Negative Test Case**: Attempt to send an email to an invalid or non-existent email address and verify that an error message is displayed.

**Verify Draft Saving:**

**Positive Test Case**: Save an email as a draft and ensure that it appears in the 'Drafts' section.

**Negative Test Case**: Attempt to close the compose frame without saving as a draft and verify that a warning is displayed.

**Verify Maximum Email Recipients:**

**Positive Test Case**: Enter the maximum allowed number of email addresses in 'To', 'cc', and 'bcc' sections and ensure they are accepted.

**Negative Test Case**: Attempt to exceed the maximum number of allowed recipients and verify that an error message is displayed.

**Verify Maximum Subject Length:**

**Positive Test Case**: Enter the maximum allowed length of text in the 'Subject' textbox and ensure it is accepted.

**Negative Test Case**: Attempt to exceed the maximum subject length and verify that an error message is displayed.

**Verify Maximum Email Body Content:**

**Positive Test Case**: Compose an email with the maximum allowed content (text/images) and ensure it is successfully sent.

**Negative Test Case**: Attempt to exceed the maximum allowed content and verify that an error message is displayed.

**Verify Maximum Attachment Size and Number:**

**Positive Test Case**: Attach files with the maximum allowed size and number, and ensure they are successfully attached.

**Negative Test Case**: Attempt to attach files exceeding the allowed size or number and verify that an error message is displayed.

**Verify Allowed Attachment Specifications:**

**Positive Test Case**: Attach files with allowed specifications (formats, sizes), and ensure they are accepted.

**Negative Test Case**: Attempt to attach files with unsupported formats or sizes, and verify that appropriate error messages are displayed.

**Verify Email Sending without Subject:**

**Positive Test Case**: Attempt to send an email without a subject, accept the warning popup, and verify that the email is sent.

**Negative Test Case**: Attempt to send an email without a subject and decline the warning popup, ensuring that the email is not sent.