**Traditional Style Test Cases**

**Positive Test Case**

**1. Sending Email:**

1. Preconditions: User is logged into Gmail.
2. Steps:
3. Compose a new email.
4. Set the subject to "Incubyte" and the body to "QA test for Incubyte."
5. Click on the "Send" button.
6. Expected Result: The email is sent successfully.

**2. Attaching File:**

1. Preconditions: User is logged into Gmail.
2. Steps:
3. Compose a new email.
4. Attach a file to the email.
5. Set the subject to "Incubyte" and the body to "QA test for Incubyte."
6. Click on the "Send" button.
7. Expected Result: The email with the attached file is sent successfully.

**3. Adding CC and BCC:**

1. Preconditions: User is logged into Gmail.
2. Steps:
3. Compose a new email.
4. Add email addresses to the CC and BCC fields.
5. Set the subject to "Incubyte" and the body to "QA test for Incubyte."
6. Click on the "Send" button.
7. Expected Result: The email is sent to the specified recipients with CC and BCC.

**4. Rich Text Formatting:**

1. Preconditions: User is logged into Gmail.
2. Steps:
   1. Compose a new email.
   2. Apply rich text formatting (e.g., bold, italics) to the email body.
   3. Set the subject to "Incubyte."
   4. Click on the "Send" button.
3. Expected Result: The email is sent successfully with applied rich text formatting.

**5**. **Positive Test Case - Using Emoji in Subject and Body:**

1. Preconditions: User is logged into Gmail.
2. Steps:
   1. Compose a new email.
   2. Include an emoji in the subject and body.
   3. Set the subject to "Incubyte 😊" and the body to "QA test for Incubyte 🚀."
   4. Click on the "Send" button.
3. Expected Result: The email is sent successfully with emojis in the subject and body.

**Negative Test Case**

**1. Invalid Email Address:**

1. Preconditions: User is logged into Gmail.
2. Steps:
3. Compose a new email.
4. Enter an invalid email address in the "To" field.
5. Set the subject to "Incubyte" and the body to "QA test for Incubyte."
6. Attempt to send the email.
7. Expected Result: An error message should be displayed, and the email should not be sent.

**2. Exceeding Attachment Size Limit:**

1. Preconditions: User is logged into Gmail.
2. Steps:
3. Compose a new email.
4. Attach a file that exceeds the allowed size limit.
5. Set the subject to "Incubyte" and the body to "QA test for Incubyte."
6. Attempt to send the email.
7. Expected Result: An error message should be displayed, and the email should not be sent.

**3. Missing Subject:**

1. Preconditions: User is logged into Gmail.
2. Steps:
3. Compose a new email.
4. Leave the subject field empty and set the body to "QA test for Incubyte."
5. Attempt to send the email.
6. Expected Result: An error message should be displayed, and the email should not be sent.

**4. Missing Body:**

1. Preconditions: User is logged into Gmail.
2. Steps:
3. Compose a new email.
4. Set the subject to "Incubyte" and leave the body empty.
5. Attempt to send the email.
6. Expected Result: An error message should be displayed, and the email should not be sent.

**BDD-Style Test Cases (using Gherkin syntax)**

**Positive Test Case**

**1. Sending Email Successfully**

1. Given the user is logged into Gmail.
2. When the user composes a new email with subject "Incubyte" and body "QA test for Incubyte".
3. Then the email should be sent successfully.

**2. Attaching File and Sending Email Successfully**

1. Given the user is logged into Gmail.
2. When the user composes a new email with an attached file, subject "Incubyte," and body "QA test for Incubyte".
3. Then the email with the attachment should be sent successfully.

**3. Adding CC and BCC**

1. Given the user is logged into Gmail.
2. When the user composes a new email with CC and BCC recipients, subject "Incubyte," and body "QA test for Incubyte".
3. Then the email should be sent to the specified recipients with CC and BCC.

**4. Using Emoji in Subject and Body**

1. Given the user is logged into Gmail.
2. When the user composes a new email with emojis in the subject and body, subject "Incubyte 😊", and body "QA test for Incubyte 🚀".
3. Then the email should be sent successfully with emojis.

**Negative Test Cases**

**1. Missing Subject**

1. Given the user is logged into Gmail.
2. When the user composes a new email with an empty subject and body "QA test for Incubyte".
3. Then an error message should be displayed, and the email should not be sent.

**2. Missing Body**

1. Given the user is logged into Gmail.
2. When the user composes a new email with subject "Incubyte" and an empty body.
3. Then an error message should be displayed, and the email should not be sent.

**3. Invalid Email Address**

1. Given the user is logged into Gmail.
2. When the user composes a new email with an invalid email address, subject "Incubyte," and body "QA test for Incubyte".
3. Then an error message should be displayed, and the email should not be sent.

**4. Exceeding Attachment Size Limit**

1. Given the user is logged into Gmail.
2. When the user composes a new email with an attachment exceeding the size limit, subject "Incubyte," and body "QA test for Incubyte".
3. Then an error message should be displayed, and the email should not be sent.

**5. Empty Recipient Field**

1. Given the user is logged into Gmail.
2. When the user composes a new email with an empty "To" field, subject "Incubyte", and body "QA test for Incubyte".
3. Then an error message should be displayed, and the email should not be sent.

**6. Exceeding Email Body Length**

1. Given the user is logged into Gmail.
2. When the user composes a new email with a body exceeding the character limit, subject "Incubyte".
3. Then an error message should be displayed, and the email should not be sent.