Gmail Compose Test Cases

# BDD-Style Test Cases

**Feature**: Send an email using Gmail compose functionality

**Scenario 1: Successfully Send an Email with an Attachment**

* **Given** the user is logged into Gmail
* **When** the user clicks on the 'Compose' button
* **And** Enter 'QA test for Incubyte' in the email body
* **And** enters 'Incubyte' as the subject
* **And** attaches a valid file
* **And** Enter a valid email address in the 'To' field
* **And** clicks on the 'Send' button
* **Then** the email should be successfully sent with the attachment
* **And** a confirmation message should be displayed

**Scenario 2: Send an Email with CC and BCC**

* **Given** the user is logged into Gmail
* **When** the user clicks on the 'Compose' button
* **And** Enter 'QA test for Incubyte' in the email body
* **And** enters 'Incubyte' as the subject
* **And** Enter a valid email address in the 'To' field
* **And** enters additional email addresses in the 'CC' and 'BCC' fields
* **And** clicks on the 'Send' button
* **Then** the email should be successfully sent to all recipients in 'To', 'CC', and 'BCC'
* **And** a confirmation message should be displayed

**Scenario 3: Save an Email as Draft**

* **Given** the user is logged into Gmail
* **When** the user clicks on the 'Compose' button
* **And** enters 'QA test for Incubyte' in the email body
* **And** enters 'Incubyte' as the subject
* **And** enters a valid email address in the 'To' field
* **And** closes the compose window without sending the email
* **Then** the email should be saved in the 'Drafts' folder
* **And** the user should be able to view and edit the draft later

**Scenario 4: Discard an Unsent Email**

* **Given** the user is logged into Gmail
* **When** the user clicks on the 'Compose' button
* **And** enters 'QA test for Incubyte' in the email body
* **And** enters 'Incubyte' as the subject
* **And** clicks on the 'Discard' button
* **Then** the unsent email should be discarded
* **And** it should not be saved in the 'Drafts' folder

**Scenario 5: Send an Email with a Long Subject and Body**

* **Given** the user is logged into Gmail
* **When** the user clicks on the 'Compose' button
* **And** enters a long text (e.g., 500 characters) in the email body
* **And** enters a long subject (e.g., 200 characters)
* **And** enters a valid email address in the 'To' field
* **And** clicks on the 'Send' button
* **Then** the email should be successfully sent with the long subject and body
* **And** a confirmation message should be displayed

**Scenario 6: Attempt to Send an Email After Session Timeout**

* **Given** the user is logged into Gmail
* **And** the user has clicked on the 'Compose' button
* **And** the user has started entering 'QA test for Incubyte' in the email body
* **And** the session times out after a period of inactivity
* **When** the user attempts to continue composing the email
* **Then** Gmail should prompt the user to log in again
* **And** the partially written email should be saved in the 'Drafts' folder

**Scenario 7: Send an Email with Special Characters in the Subject**

* **Given** the user is logged into Gmail
* **When** the user clicks on the 'Compose' button
* **And** enters 'QA test for Incubyte' in the email body
* **And** enters special characters (e.g., @#$%) in the subject field
* **And** enters a valid email address in the 'To' field
* **And** clicks on the 'Send' button
* **Then** the email should be successfully sent with the special characters in the subject
* **And** a confirmation message should be displayed

**Scenario 8: Undo Send After Sending an Email**

* **Given** the user is logged into Gmail
* **When** the user clicks on the 'Compose' button
* **And** enters 'QA test for Incubyte' in the email body
* **And** enters 'Incubyte' as the subject
* **And** enters a valid email address in the 'To' field
* **And** clicks on the 'Send' button
* **And** the 'Undo' option appears
* **When** the user clicks on 'Undo'
* **Then** the email should not be sent
* **And** the user should be able to edit or discard the email

**Scenario 9: Send an Email Without Internet Connectivity**

* **Given** the user is logged into Gmail
* **And** the user has clicked on the 'Compose' button
* **And** the user has entered 'QA test for Incubyte' in the email body
* **And** the user has entered 'Incubyte' as the subject
* **And** the user has entered a valid email address in the 'To' field
* **When** the user's internet connection is lost before clicking 'Send'
* **And** the user clicks on 'Send'
* **Then** Gmail should display a message indicating that the email cannot be sent due to lack of connectivity
* **And** the email should be saved in the 'Outbox' to be sent later when internet connectivity is restored

**Scenario 10: Attempt to Send an Email with an Invalid File Attachment**

* **Given** the user is logged into Gmail
* **When** the user clicks on the 'Compose' button
* **And** enters 'QA test for Incubyte' in the email body
* **And** enters 'Incubyte' as the subject
* **And** attaches an invalid or corrupted file
* **And** enters a valid email address in the 'To' field
* **And** clicks on the 'Send' button
* **Then** Gmail should display an error message indicating that the file cannot be attached or sent
* **And** the user should be able to remove the attachment or try again

**Scenario 11 : Successfully Send an Email**

* **Given** the user is logged into Gmail
* **When** the user clicks on the 'Compose' button
* **And** enters 'QA test for Incubyte' in the email body
* **And** enters 'Incubyte' as the subject
* **And** enters a valid email address in the 'To' field
* **And** clicks on the 'Send' button
* **Then** the email should be successfully sent
* **And** a confirmation message should be displayed

**Scenario 12: Attempt to Send an Email Without a Recipient**

* **Given** the user is logged into Gmail
* **When** the user clicks on the 'Compose' button
* **And** enters 'QA test for Incubyte' in the email body
* **And** enters 'Incubyte' as the subject
* **And** leaves the 'To' field blank
* **And** clicks on the 'Send' button
* **Then** an error message should be displayed indicating the recipient email is required

**Scenario 13: Attempt to Send an Email Without a Subject**

* **Given** the user is logged into Gmail
* **When** the user clicks on the 'Compose' button
* **And** enters 'QA test for Incubyte' in the email body
* **And** leaves the 'Subject' field blank
* **And** Enter a valid email address in the 'To' field
* **And** clicks on the 'Send' button
* **Then** Gmail should display a warning asking for confirmation before sending the email without a subject

**Scenario 14: Attempt to Send an Email with an Invalid Recipient Email**

* **Given** the user is logged into Gmail
* **When** the user clicks on the 'Compose' button
* **And** Enter 'QA test for Incubyte' in the email body
* **And** enters 'Incubyte' as the subject
* **And** enters an invalid email address in the 'To' field
* **And** clicks on the 'Send' button
* **Then** Gmail should display an error indicating the email address is invalid