Certainly! Below are the traditional-style and BDD-style test cases for testing the compose function in Gmail:

### Traditional Style Test Cases:

#### Test Case 1: Compose Email with Subject and Body

1. \*Preconditions:\* User is logged into Gmail and on the compose email page.

2. \*Steps:\*

- Enter "Incubyte" in the subject field.

- Enter "QA test for Incubyte" in the body field.

- Click on the "Send" button.

3. \*Expected Result:\* The email should be sent successfully with the specified subject and body content.

#### Test Case 2: Empty Subject Field

1. \*Preconditions:\* User is logged into Gmail and on the compose email page.

2. \*Steps:\*

- Leave the subject field empty.

- Enter "QA test for Incubyte" in the body field.

- Click on the "Send" button.

3. \*Expected Result:\* The email should not be sent, and an error message should be displayed indicating that the subject field cannot be empty.

#### Test Case 3: Empty Body Field

1. \*Preconditions:\* User is logged into Gmail and on the compose email page.

2. \*Steps:\*

- Enter "Incubyte" in the subject field.

- Leave the body field empty.

- Click on the "Send" button.

3. \*Expected Result:\* The email should be sent successfully with the specified subject but without any body content.

#### Scenario: Compose Email with Subject and Body

- \*Given\* the user is logged into Gmail and on the compose email page

- \*When\* the user enters "Incubyte" in the subject field

- \*And\* the user enters "QA test for Incubyte" in the body field

- \*And\* the user clicks on the "Send" button

- \*Then\* the email should be sent successfully with the specified subject and body content

#### Scenario: Empty Subject Field

- \*Given\* the user is logged into Gmail and on the compose email page

- \*When\* the user leaves the subject field empty

- \*And\* the user enters "QA test for Incubyte" in the body field

- \*And\* the user clicks on the "Send" button

- \*Then\* an error message should be displayed indicating that the subject field cannot be empty

#### Scenario: Empty Body Field

- \*Given\* the user is logged into Gmail and on the compose email page

- \*When\* the user enters "Incubyte" in the subject field

- \*And\* the user leaves the body field empty

- \*And\* the user clicks on the "Send" button

- \*Then\* the email should be sent successfully with the specified subject but without any body content

These test cases cover various scenarios to ensure that the compose function in Gmail works correctly with the specified requirements.

### High Priority Test Cases:

1. Verify that the compose email button is displayed prominently on the Gmail interface.

2. Ensure that clicking on the compose email button opens a new email window.

3. Confirm that the subject field is visible and editable in the compose email window.

4. Validate that the body field is visible and editable in the compose email window.

5. Test that the "Send" button is present and functional in the compose email window.

6. Verify that the user can enter text into the subject field.

7. Validate that the user can enter text into the body field.

8. Test that the user can click on the "Send" button to send the email.

9. Confirm that the email is sent successfully when all required fields (subject and body) are filled.

10. Ensure that the user receives a confirmation message after successfully sending the email.

### Medium Priority Test Cases:

11. Verify that the user can enter a valid email address in the "To" field.

12. Test that the user can enter multiple email addresses separated by commas in the "To" field.

13. Validate that the user can enter a valid email address in the "CC" field.

14. Test that the user can enter multiple email addresses separated by commas in the "CC" field.

15. Confirm that the user can enter a valid email address in the "BCC" field.

16. Validate that the user can enter multiple email addresses separated by commas in the "BCC" field.

17. Test that the user can attach a file to the email.

18. Validate that the attached file is included in the email when sent.

19. Test that the user can remove an attachment before sending the email.

20. Confirm that the user receives an error message if trying to send an email without a recipient in the "To" field.

### Low Priority Test Cases:

21. Verify that the user can change the font style and size in the body of the email.

22. Test that the user can insert hyperlinks into the body of the email.

23. Validate that the user can insert images into the body of the email.

24. Test that the user can format the text (bold, italic, underline) in the body of the email.

25. Confirm that the user can use keyboard shortcuts to perform actions in the compose email window.

26. Validate that the user can undo and redo actions in the body of the email.

27. Test that the user can use spell check functionality in the body of the email.

28. Confirm that the user can save the email as a draft and resume editing later.

29. Validate that the user can discard the email draft without sending it.

30. Test that the user can close the compose email window without sending the email.

### Miscellaneous Test Cases:

31. Verify that the email subject field has a character limit.

32. Test that the email body field has a character limit.

33. Validate that the user receives a warning message if exceeding the character limit in the subject field.

34. Test that the user receives a warning message if exceeding the character limit in the body field.

35. Confirm that the user can navigate between different sections of the compose email window using keyboard shortcuts.

36. Validate that the email is saved automatically as a draft after a certain interval of inactivity.

37. Test that the user can add emoji’s or special characters to the email body.

38. Validate that the email formatting (font style, size and color) is preserved when sent.

39. Test that the user can select and delete multiple recipients from the "To," "CC," or "BCC" fields.

40. Confirm that the user can use autocomplete functionality to populate email addresses in the "To," "CC," or "BCC" fields.

### Edge Cases and Negative Test Cases:

41. Test that the user receives an error message if trying to send an email with an invalid email address in the "To" field.

42. Validate that the user receives an error message if trying to send an email with an empty subject field.

43. Test that the user receives an error message if trying to send an email with an empty body field.

44. ### Edge Cases and Negative Test Cases:

41. Test that the user receives an error message if trying to send an email with an invalid email address in the "To" field.

42. Validate that the user receives an error message if trying to send an email with an empty subject field.

43. Test that the user receives an error message if trying to send an email with an empty body field.

44. Confirm that the user cannot send an email with a subject exceeding the character limit.

45. Validate that the user cannot send an email with a body exceeding the character limit.

46. Test that the user cannot attach a file larger than the allowed file size.

47. Confirm that the user receives an error message if trying to send an email with a virus-infected attachment.

48. Test that the user cannot send an email with a prohibited file type as an attachment.

49. Validate that the user cannot send an email containing malicious content in the body.

50. Test that the user receives an error message if trying to send an email without an internet connection.

1. \*Compose Email with Subject and Body:\*

- \*Priority:\* High

- \*Description:\* Verify that the user can compose an email with both subject and body fields filled, and send it successfully.

2. \*Email Attachment:\*

- \*Priority:\* High

- \*Description:\* Test that the user can attach a file to the email and ensure it is successfully sent along with the email.

### Medium Priority Test Cases:

3. \*Multiple Recipients:\*

- \*Priority:\* Medium

- \*Description:\* Validate that the user can add multiple recipients (To, CC, BCC) to the email and send it successfully.

4. \*Autocomplete Functionality:\*

- \*Priority:\* Medium

- \*Description:\* Test that the user can use autocomplete functionality to populate email addresses in the "To," "CC," or "BCC" fields.

### Low Priority Test Cases:

5. \*Email Draft Saving:\*

- \*Priority:\* Low

- \*Description:\* Confirm that the email draft is saved automatically after a certain interval of inactivity, allowing the user to resume editing later.

6. \*Email Formatting:\*

- \*Priority:\* Low

- \*Description:\* Validate that the formatting (font style, size, color) of the email body is preserved when sent.

### Miscellaneous Test Cases:

7. \*Email Character Limits:\*

- \*Priority:\* Low

- \*Description:\* Test that the email subject and body fields have character limits and verify the behaviour when exceeding those limits.

8. \*Error Handling - Invalid Email Address:\*

- \*Priority:\* High

- \*Description:\* Confirm that the user receives an error message if trying to send an email with an invalid email address in the "To" field.

9. \*Error Handling - Empty Subject Field:\*

- \*Priority:\* High

- \*Description:\* Validate that the user receives an error message if trying to send an email with an empty subject field.

10. \*Error Handling - Empty Body Field:\*

- \*Priority:\* High

- \*Description:\* Test that the user receives an error message if trying to send an email with an empty body field.