

Assignment 3

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Batch:- CSE

Subject:- ~~Self~~ ~~CSA3741~~ - Software testing
for business management.

3) Write test cases for GMAIL

A) Test Case 1:- login Functionality

→ Functional:- Verify that users can successfully log in with valid ~~&~~ Credentials.

→ Non - Functional:- Check for response time and system performance during the login process.

→ Pass/Fail:- Pass if a user can log in successfully; otherwise, fail.

Test Case 2 : Send Email

- Functional: Confirm that users can send an email to a recipient.
- Non-Functional: Measure the time taken to send an email and ensure the system remains responsive.
- Pass/Fail :- Pass if an email is sent successfully; otherwise, fail

Test Case 3 : Inbox Display

- Functional:- Ensure that the user's ~~box~~ inbox displays all received emails.
- Non-Functional:- Check the load time and responsiveness of the inbox, especially with a large number of emails.
- Pass/Fail:- Pass if the inbox displays all emails; otherwise, fail.

Test Case 4: Attachments

- Functional: Verify that users can attach files to emails.
- Non-Functional: Test the maximum file size allowed for attachments and the speed of uploading attachments.
- Pass/Fail: Pass if attachments can be added successfully; otherwise, fail.

Test Case 5: Search Functionality

- Functional: Test the search features to ensure users can find specific emails.
- ~~Non-Functional: Measure the search retrieves relevant emails; otherwise, fail.~~
- Non-Functional: Measure the search speed and accuracy for different search queries.
- Pass/Fail: Pass if the search retrieves relevant emails; otherwise, fail.

Test Case 6: Spam Detection

- Functional: - Confirm that emails marked as spam are filtered correctly
- Non-Functional: - Evaluate the efficiency of the spam filter and its impact on system performance.
- Pass/Fail: Pass if spam emails are filtered out; otherwise, fail.

Test Case 7: Cross-Device Sync

- Functional: - Test if emails, folders, and labels are synchronized across different devices.
- Non-Functional: - Check the synchronization speed and consistency of data.
- Pass/Fail: Pass if data is consistent across devices; otherwise, fail.

Test Case 8:- Email Deletion

- Functional :- Verify that users can delete emails from their ~~red~~ inbox.
- Non-Functional: Measure the speed of deleting single and multiple emails.
- Pass / Fail :- Pass if emails can be deleted successfully; otherwise, Fail.

Test ~~case~~ Case 9:- Users Interface (UI)

- Functional: Ensure that the UI elements are correctly displayed and functional.
- Non-Functional: Test the UI's responsiveness, readability and user-friendliness.
- Pass / Fail: Pass if the UI is user-friendly and functions as expected; otherwise, Fail.

Test Case 10: Account Recovery

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→ Functional: Test the process of recovering a forgotten password or locked account.

→ Non-Functional: Evaluate the ease of use and the security of the account recovery process.

→ Pass/Fail: Pass if the account recovery is successful and secure; otherwise, fail.