GitHub QA Assignment - Manual Test Cases

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Manual Test Cases for GitHub UI

1. Sign Up and Login Tests

Test Case 1.1: Create a New Account (Sign Up)

Objective: Verify that a user can successfully create a new GitHub account using valid information.

Preconditions:

- User is on the GitHub homepage (https://github.com)

Test Steps:

Step 1: Click on the Sign up button or link on the homepage

Expected Result: Sign up page loads with the registration form

Step 2: Enter a valid and unused Username

Expected Result: Field accepts input and shows no error

Step 3: Enter a valid Email address

Expected Result: Field accepts input and shows no error

Step 4: Enter a strong Password

Expected Result: Field accepts input and password strength indicator updates

Step 5: Click on the Create account button

Expected Result: User proceeds to the next step (e.g., email verification or preferences setup)

Step 6: Follow through any verification steps (e.g., captcha)

Expected Result: Verification completes successfully

Step 7: Confirm account creation message or redirection to dashboard

Expected Result: User is redirected or shown confirmation of account creation

Notes:

- Test with different password strengths and invalid emails to validate form validations.

Test Case 1.2: Login with Valid Credentials

Objective: Verify that a user can log in with valid username/email and password.

Preconditions:

- User already has a registered GitHub account.

Test Steps:

Step 1: Navigate to the GitHub login page

Expected Result: Login page loads correctly

Step 2: Enter a valid Username or Email

Expected Result: Field accepts input

Step 3: Enter the correct Password

Expected Result: Field accepts input

Step 4: Click on the Sign in button

Expected Result: User is successfully logged in and redirected to the dashboard/homepage

Test Case 1.3: Login with Invalid Credentials

Objective: Verify that the system handles login attempts with invalid credentials properly.

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Preconditions:

- User is on the login page.

Test Steps:

Step 1: Enter invalid or unregistered username/email

Expected Result: Input accepted, but authentication will fail

Step 2: Enter incorrect password

Expected Result: Input accepted, but authentication will fail

Step 3: Click on Sign in button

Expected Result: Appropriate error message shown (e.g., "Incorrect username or password")

Step 4: Verify that user remains on login page

Expected Result: User is not logged in

Test Case 1.4: Validate Required Fields on Login Form

Objective: Ensure form validations work properly when required fields are empty.

Preconditions:

- User is on the login page.

Test Steps:

Step 1: Leave the username/email field empty

Expected Result: Error message or validation prompt displayed

Step 2: Leave the password field empty

Expected Result: Error message or validation prompt displayed

Step 3: Try clicking Sign in with empty fields

Expected Result: Prevent login and display appropriate messages

Test Case 1.5: Validate Email Format on Sign Up

Objective: Verify the email field validates the format on the sign-up page.

Preconditions:

- User is on the Sign Up page.

Test Steps:

Step 1: Enter invalid email format (e.g., "user@domain", "userdomain.com", "user@.com")

Expected Result: Form shows validation error message

Step 2: Enter valid email format (e.g., "user@example.com")

Expected Result: No validation errors, field accepted