Test Execution Report – EchoGPT Sign-Up & Sign-In

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1. Test Cases Executed vs Planned

- Planned Test Cases: 27
- Functional: 21 (F01–F21)
- Non-Functional: 6 (NF01–NF06)
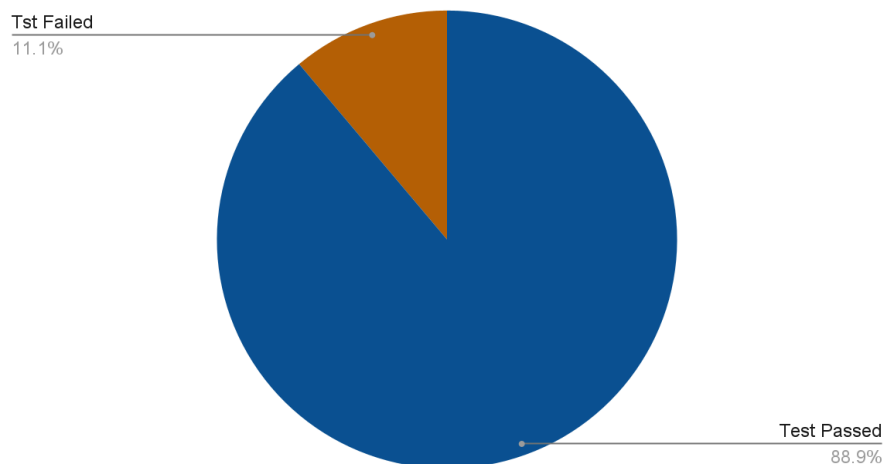- Executed Test Cases: 27 (100%)

2. Pass/Fail Statistics

Passed: 24
Failed: 3(F03 – OTP Wrong,F14 – Terms of Use Link, F15 – Privacy Policy Link,F21 – Duplicate Email Sign-Up)

Pass Rate: 88.9%
Fail Rate: 11.1%

Test Execution Result

Tst Failed
11.1%

Test Passed
88.9%

3. Defects Found (Categorized by Severity)

- **High Severity (2)**:

BUG-002: Twitter sign-in button not working

Bug ID:	BUG-002
Title:	Twitter sign-in button not working
Severity:	High
Priority:	High
Environment:	Windows 11, Chrome v126
Steps to Reproduce:	Go to EchoGPT website Click on "Sign In" Click " Sign In with Twitter"
Expected Result:	User should be redirected to the Twitter authentication page for login.
Actual Result:	no action occurs.
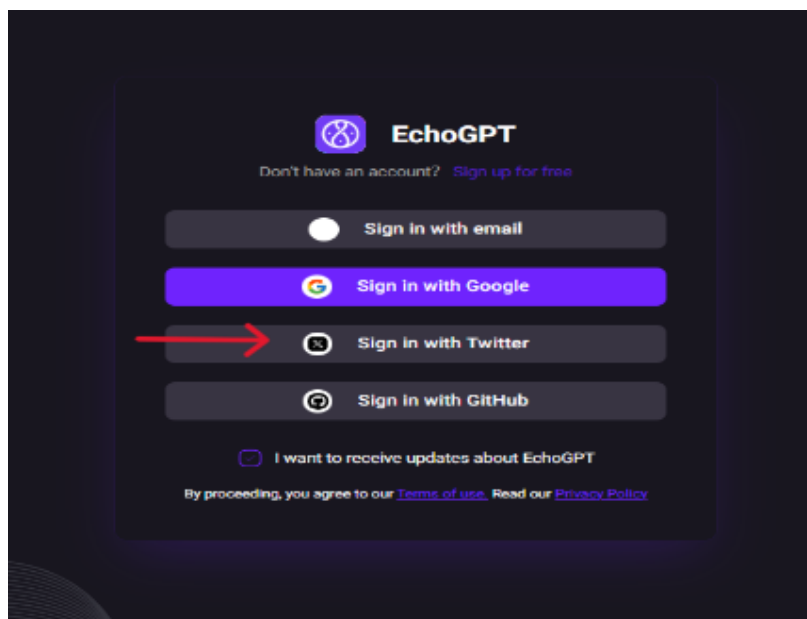
BUG-003: Duplicate Email Sign-Up

Bug ID:	BUG-003
Title:	Duplicate Email Sign-Up
Severity:	High
Priority:	High
Environment:	Windows 11, Chrome v126
Steps to Reproduce:	Sign up with a valid Gmail account (example: usrahsaba07@gmail.com)
	Complete OTP verification successfully
	Go to Sign-Up page again
	Enter the same Gmail and try to register
Expected Result:	System should show a warning/error message like "Email already exists" and prevent duplicate sign-up.
Actual Result:	No OTP email is received, and the "Enter OTP" page is confusing for the user
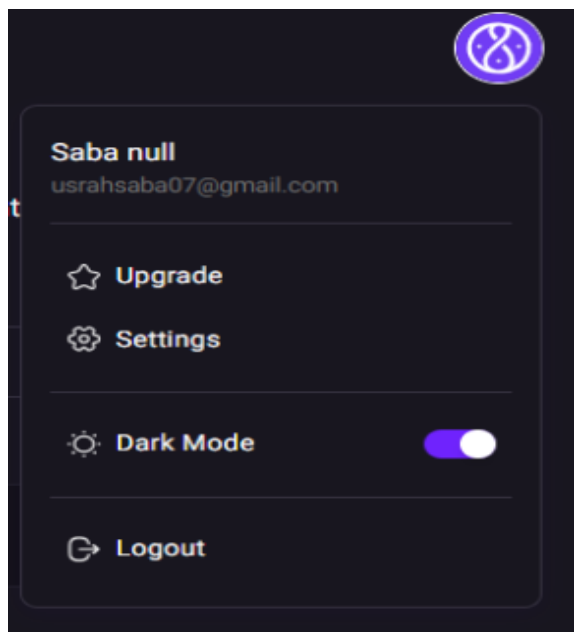
Screenshot1 : an existing gmail account showing

Screenshot 2: attempting duplicate mail sign up

screenshot 3: application attempting to send OTP

- **Medium Severity (1):**

BUG–001: Privacy Policy & Terms of Use links not clickable

Bug ID:	BUG-001
Title:	Privacy Policy & User Agreement links not clickable
Severity:	Medium
Priority:	High
Environment:	Windows 11, Chrome v126
Steps to Reproduce:	1.Go to EchoGPT website 2. Navigate to the Sign-In page 3. Scroll to the bottom where "Privacy Policy" and "Terms of Use" links are displayed 4. Try clicking on the links
Expected Result:	Both links should be clickable and redirect to the respective documents/pages.
Actual Result:	Links are displayed as text only
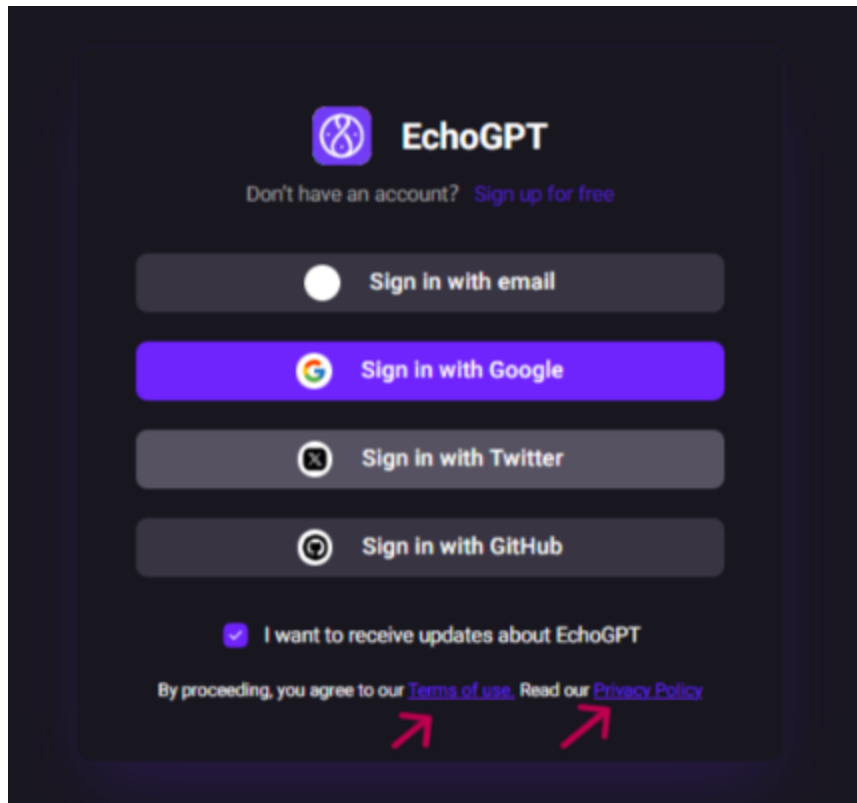
4. Overall Quality Assessment

Strengths:

➔ Core sign–up and authentication with Google/GitHub are functioning correctly.

➔ OTP validation logic for correct, wrong, and length cases is mostly working.

➔ Non–functional aspects (load time, layout responsiveness, browser compatibility) performing as expected.

Weaknesses:

➔ Some critical usability gaps exist: Duplicate email handling is missing, Twitter login fails, and legal document links are not accessible.

➔ OTP wrong input handling shows inconsistent behavior (redirects home instead of showing a warning).

Recommendations for Improvement

Bug Fixing Priority:

● Fix duplicate email validation to prevent multiple accounts.
● Resolve Twitter authentication integration.
● Ensure Privacy Policy & Terms links are clickable and accessible.

Usability Enhancements:

● Show proper warning messages for invalid/wrong OTP.
● Add exit confirmation on back button press to prevent accidental app closure.

The overall quality of the sign-up feature is fair but not production-ready due to the presence of critical issues (Twitter login, duplicate email, policy links). Addressing these defects and improving error handling will significantly enhance user experience and reliability.