

Test Execution Report

Executive Summary

Report Date: September 7, 2025  
Test Execution Date: June 9, 2025  
Total Test Duration: 39.85 seconds

This report summarizes the test execution results for the AI Chat Application, covering both Login functionality and AI Agent features. The test suite consisted of 7 test cases, with 5 passing, 1 failing, and 1 skipped due to unimplemented functionality.

Detailed Test Results

Login Feature (login.spec.js)

Test Case	Status	Location	Details
Valid login	PASS	login.spec.js:4	Successful authentication with valid credentials
Invalid login	PASS	login.spec.js:33	Proper error handling for invalid credentials
Account lockout after multiple failed attempts	FAIL	login.spec.js:63	Account lockout Can Not Be Automated Duo To Captcha Issue

AI Agent Feature (ai-agent.spec.js)

Test Case	Status	Location	Details
Chat UI loads and responds	PASS	ai-agent.spec.js:4	UI components load correctly and respond to user interaction
Send message and validate response	PASS	ai-agent.spec.js:2B	Message sending works and responses are properly validated
Message history persists during session	PASS	ai-agent.spec.js:5S	Chat history is maintained throughout the user session

Test Case	Status	Location	Details
Validate timestamps on messages	SKIPPED	ai-agent.spec.js:75	Not implemented in UI

### Test Results Summary

Total Test Cases = 7

Passed = 5 (71.4%)

Failed = 1 (14.3%)

Skipped = 1 (14.3%)

### Analysis

#### Failed Test Case

This issue is a duplicate of the CAPTCHA mechanism. Since CAPTCHA must be disabled in order to perform automated login testing, the account lockout functionality could not be validated properly. Once CAPTCHA is disabled, the lockout mechanism can be tested as expected.

#### Skipped Test Case

The timestamp validation test was skipped because the functionality has not yet been implemented in the UI. This represents a gap in the feature completeness.

### Appendix

#### Test Environment:

- Browser: Chromium
- Execution Time: 23:16:19
- Test Framework: Playwright

#### Notes:

All tests were executed automatically as part of the continuous integration pipeline.