

Software Test Report

Software Test Report for “Symbolab”



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1. Test Summary

1.1 Scope of Testing:

The primary objective was to ensure the functionality, usability, and compatibility of the Symbolab” mobile application.

This included testing the following main Modules :

- Equation Solver
- Graphing Calculator
- Practice Problems

1.2 Testing Period:

The testing was conducted over one sprint,
from 30/07/2024 to 04/08/2024.

1.3 Testing Environment:

Tested on a ‘Android’ mobile device.

1.4 High-Level Results:

- Approximately 150 test cases were executed, including smoke test
- 7 Bugs were found during the testing period

2. Testing Activities

The Test Activities section details the comprehensive and methodical approach undertaken to evaluate the functionality and user experience of the Symbolab application. This phase involved a series of targeted test types designed to rigorously assess each aspect of the application, ensuring reliability and quality from the user's perspective.

The following Testing Activities were performed in this sprint:

2.1 Smoke Tests

Performed initial smoke tests to verify that the core functionalities of the app were operational. This included basic tests of key features like the installation, equation solver and graphing calculator.

2.2 Functional Testing

All functional testing has been completed, confirming that the features that I chose in the 'Symbolab' mobile application are operating as intended. However, **7 bugs** were identified during the testing process.

2.3 GUI Testing

GUI test ensures that the design elements (buttons, text fields) are consistent throughout the application.

Two bugs were found during the GUI testing. One of them is major.

2.4 Interface Testing

Verify that users can log in to the 'symbolab' app using their Facebook and Gmail credentials

One moderate bug was found during interface testing

3. Results and Findings

This section presents the key outcomes of our testing efforts on the Symbolab application. The following metrics will highlight both the strengths and the areas needing attention, providing a comprehensive understanding of the application's functionality and overall performance.

3.1 Test Execution:

Smoke

- **Executed:** 39 test cases (100% of planned)
- **Passed:** 39
- **Failed:** none

Sanity

- **Executed:** 114 test cases (100% of planned)
- **Passed:** 107
- **Failed:** 7

4. Open Issues, Risks and Go No Go

4.1 Unresolved Issues:

4.1.1 Facebook interface bug

- **Description:**

Users are currently unable to sign in to the Symbolab app using their Facebook accounts.

- **Impact:**

This issue prevents users from accessing their accounts through Facebook.

4.1.2 Performance Concerns:

- **Description:**

In cases where the display should be blank, it incorrectly shows 'null'

- **Impact: Confusing the users.**

4.1.3 Go No Go Recommendation:

Due to the critical issues with both Facebook sign-in and email/password sign-in, it is recommended to delay the release of the Symbolab app. Resolving these sign-in issues is essential to ensure that users can access their accounts reliably and to maintain the app's usability and reputation.

