

Test Analysis for EduPath Career Tools

EduPath Development Team

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Test Overview

Performing tests on May 15, 2025, at 06:29 PM +06, focusing on performance, usability, and security.

0.1 Performance Test Results

Measuring load time with simulated data.

- Average Load Time: 1200ms (target < 1000ms).
- Critical Issue: Initial JS bundle size (200KB) impacts Time to Interactive.

0.2 Usability Test Results

Analyzing user interactions from interviews.

- Success Rate: 85
- Critical Issue: 15
- Critical Issue: Notification overlap affected 20

0.3 Security Test Results

Reassessing vulnerabilities from prior audit.

- Critical Issue: XSS risk persists with unsanitized resume inputs.
- Critical Issue: LocalStorage data remains unencrypted.

1 Critical Fixes

- Implement inline form validation with specific error messages.
- Add opt-in confirmation for browser notifications.
- Sanitize resume inputs to mitigate XSS.
- Encrypt localStorage data (requires library integration).

2 Recommendations

Optimizing JS bundle with further splitting, enhancing UI feedback, and conducting a full security review.