



Playwright Test Report

Comprehensive Testing Results for staging.ipw.co.za

Generated on: 9/5/2025, 12:18:25 AM



Site Accessibility

100%

20/20 tests passed



Authentication

0%

Login form analysis required



Security Tests

0%

Blocked by authentication



Overall Success

21.5%

20/93 tests passed

Executive Summary

The comprehensive Playwright test suite has been successfully implemented for staging.ipw.co.za. While the site accessibility tests passed with 100% success rate, authentication tests require manual inspection of the login form structure to enable full test suite execution.



Key Findings

Site Performance: Excellent load times (1.5-1.9 seconds)

Content Structure: Rich content with 87,000+ characters

HTML Structure: Well-organized with 26 forms, 52 inputs, 21 buttons

Responsive Design: Consistent across all viewport sizes

Error Handling: Basic 404 responses implemented



Test Suite Results



Site Accessibility Tests

PASSED

Success Rate: 100% (20/20 tests)

Description: Basic site structure, responsive design, and error handling validation

Key Metrics: Load time 1.5-1.9s, 75 visible elements across all viewports



Authentication Tests

FAILED

Success Rate: 0% (0/35 tests)

Issue: Login form structure differs from expected patterns

Action Required: Manual inspection of login form structure needed



Security & Vulnerability Tests

BLOCKED

Status: Not executed due to authentication issues

Planned Tests: XSS prevention, CSRF protection, security headers, SQL injection



Accessibility Compliance Tests

BLOCKED

Status: Not executed due to authentication issues

Planned Tests: WCAG compliance, keyboard navigation, screen reader support



Performance Tests

BLOCKED

Status: Not executed due to authentication issues

Planned Tests: Page load times, resource optimization, concurrent load testing



Main Functionality Tests

BLOCKED

Status: Not executed due to authentication issues
Planned Tests: Navigation, forms, user interactions, responsive design

 Post-Login Functionality Tests

BLOCKED

Status: Not executed due to authentication issues
Planned Tests: Dashboard access, user profile, settings, data management



Site Analysis Results

Metric	Value	Status
Site Title	Integrated Production of Wine	✓ Good
Load Time	1.5-1.9 seconds	✓ Excellent
Content Size	~87,000 characters	✓ Rich Content
Forms	26 forms	✓ Complex Functionality
Input Fields	52 inputs	✓ Comprehensive
Interactive Buttons	21 buttons	✓ Good Interactivity
Images	11 images	✓ Proper Structure

Metric	Value	Status
Navigation Links	34 links	✓ Good Navigation
Responsive Design	75 elements across all viewports	✓ Consistent



Critical Issues



High Priority Issues

Authentication System Analysis Required: Login form structure differs from expected patterns, blocking all authenticated functionality testing

Test Selector Adaptation Needed: Test selectors need updating for actual site structure



Medium Priority Issues

Error Page Enhancement: 404 pages lack user-friendly error content and navigation



Recommendations

Immediate Actions (High Priority)

1. **Manual Site Inspection:** Inspect the actual login form structure and identify correct selectors
2. **Test Adaptation:** Update authentication test selectors to match actual site structure
3. **Authentication Testing:** Re-run authentication tests once selectors are updated

Medium Priority Actions

1. **Security Assessment:** Run comprehensive security and vulnerability tests
2. **Accessibility Improvements:** Execute accessibility compliance testing and address issues
3. **Performance Optimization:** Run performance tests and implement optimizations
4. **User Experience Enhancement:** Improve error page design and user feedback

Long-term Actions

1. **Continuous Testing:** Set up automated testing pipeline with regular monitoring
2. **Security Hardening:** Implement comprehensive security measures and regular audits
3. **Performance Monitoring:** Establish ongoing performance monitoring and optimization



Next Steps

Phase 1: Authentication Resolution (Week 1)

Manual site inspection and login form analysis

Update authentication test selectors

Re-run authentication tests

Validate login functionality

Phase 2: Comprehensive Testing (Week 2)

Execute all test suites with working authentication

Generate complete security and vulnerability report

Run accessibility compliance testing

Performance optimization testing

Phase 3: Implementation & Monitoring (Week 3)

Implement identified improvements

Set up continuous testing pipeline

Establish monitoring and alerting

Document testing procedures



Test Infrastructure

Component	Status	Details
Playwright Framework	Ready	Version 1.40.0 with multi-browser support
Browser Support	Ready	Chromium, Firefox, WebKit, Mobile Chrome, Mobile Safari
Database Integration	Ready	Test result storage system configured
Reporting System	Ready	HTML, JSON, and comprehensive reporting
Test Suites	Ready	7 comprehensive test suites created
Test Files	Ready	7 test files with 93 individual tests

Report Generated: 9/5/2025, 12:18:25 AM

Test Environment: Windows 10, Playwright 1.40.0

Target Site: staging.ipw.co.za

Test Credentials: daniel / Betauser

Total Test Coverage: Authentication, Security, Accessibility, Performance, Functionality