Test Summary Report

Test Summary Report E-Commerce Platform - v2.6.9 ■ 2025-09-14 ■ QA ■ 45 Tests ■ 66.67% Pass Rate

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E-Commerce Platform - v2.6.9

■ 2025-09-14 ■ QA ■ 45 Tests ■ 66.67% Pass Rate

■ 2025-09-14

■ QA

■ 45 Tests

■ 66.67% Pass Rate

■ Overview ■ Test Execution ■ Defects ■ Analysis ■ Environment ✍■ Sign-off

Executive Summary Test Execution: 45 total tests, 45 executed (66.67% pass rate) Defects: 15 total defects identified (3 critical, 6 major, 5 medium, 1 minor) Status: ■ Requires immediate action 45 Total Tests 45 Executed 100.0% 30 Passed 66.7% 15 Failed 33.3% 0 Blocked 0 Skipped Quality Gate Evaluation Recommendation: REJECTED Gate Used: Strict Quality Gate Test Execution Summary Metric Count Percentage Total Tests 45 100% Executed 45 100.0% Passed 30 66.7% Failed 15 33.3% Blocked 0 0.0% Skipped 0 0.0% Release Decision Release Recommendation Release Recommendation: REJECTED Comments: Based on test execution results and exit criteria evaluation

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Executive Summary

Test Execution: 45 total tests, 45 executed (66.67% pass rate)

Defects: 15 total defects identified (3 critical, 6 major, 5 medium, 1 minor)

Status: ■ Requires immediate action

45 Total Tests 45 Executed 100.0% 30 Passed 66.7% 15 Failed 33.3% 0 Blocked 0 Skipped

45 Total Tests

45

Total Tests

45 Executed 100.0%

45

Executed

100.0%

30 Passed 66.7%

30

Passed

66.7%

15 Failed 33.3%

15

Failed

33.3%

0 Blocked

0

Blocked

0 Skipped

0

Skipped

Quality Gate Evaluation Recommendation: REJECTED Gate Used: Strict Quality Gate

Quality Gate Evaluation

Recommendation: REJECTED

Gate Used: Strict Quality Gate

Test Execution Summary Metric Count Percentage Total Tests 45 100% Executed 45 100.0% Passed 30 66.7% Failed 15 33.3% Blocked 0 0.0% Skipped 0 0.0%

Test Execution Summary

Release Decision Release Recommendation Release Recommendation: REJECTED Comments: Based on test execution results and exit criteria evaluation

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Release Recommendation: REJECTED

Comments: Based on test execution results and exit criteria evaluation

Test Analytics Test Results Failures by Module Test Execution Summary by Module Module Total Tests Executed Passed Failed Pass Rate Quality Status API Testing 5 5 3 2 60.0% Needs Attention Authentication 5 5 1 4 20.0% Critical Dashboard 5 5 4 1 80.0% Good Order Management 5 5 3 2 60.0% Needs Attention Payment 5 5 4 1 80.0% Good Performance 5 5 4 1 80.0% Good Reports 5 5 4 1 80.0% Good Security 5 5 4 1 80.0% Good User Management 5 5 3 2 60.0% Needs Attention

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Test Execution Summary by Module

Defect Analytics Defects by Severity Defects by Priority Defect Summary Severity Open Closed Deferred Total Critical 3 0 0 3 Major 6 0 0 6 Medium 5 0 0 5 Minor 1 0 0 1 Total 15 0 0 15 Key Bugs Identified Bug ID Severity Priority Status Description Module Assigned To BUG-001 Major High Open N/A Authentication John Smith BUG-002 Medium Medium Open N/A Authentication John Smith BUG-003 Medium Medium Open N/A Authentication John Smith BUG-004 Critical N/A Open N/A Authentication John Smith BUG-005 Medium Medium Open N/A Dashboard Mike Johnson BUG-006 Major High Open N/A Order Management Sarah Wilson BUG-007 Medium Medium Open N/A Order Management Sarah Wilson BUG-008 Major High Open N/A Payment David Brown BUG-009 Minor Low Open N/A Reports Lisa Chen BUG-010 Major High Open N/A User Management Alex Kumar BUG-011 Medium Medium Open N/A User Management Alex Kumar BUG-012 Critical High Open N/A API Testing API Tester BUG-013 Major Medium Open N/A API Testing API Tester BUG-014 Major High Open N/A Performance Perf Tester BUG-015 Critical N/A Open N/A Security Security Tester

Defect Analytics Defects by Severity Defects by Priority

Defect Analytics

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Defect Summary Severity Open Closed Deferred Total Critical 3 0 0 3 Major 6 0 0 6 Medium 5 0 0 5 Minor 1 0 0 1 Total 15 0 0 15

Defect Summary

Key Bugs Identified Bug ID Severity Priority Status Description Module Assigned To BUG-001 Major High Open N/A Authentication John Smith BUG-002 Medium Medium Open N/A Authentication John Smith BUG-003 Medium Medium Open N/A Authentication John Smith BUG-004 Critical N/A Open N/A Authentication John Smith BUG-005 Medium Medium Open N/A Dashboard Mike Johnson BUG-006 Major High Open N/A Order Management Sarah Wilson BUG-007 Medium Medium Open N/A Order Management Sarah Wilson BUG-008 Major High Open N/A Payment David Brown BUG-009 Minor Low Open N/A Reports Lisa Chen BUG-010 Major High Open N/A User Management Alex Kumar BUG-011 Medium Medium Open N/A User Management Alex Kumar BUG-012 Critical High Open N/A API Testing API Tester BUG-013 Major Medium Open N/A API Testing API Tester BUG-014 Major High Open N/A Performance Perf Tester BUG-015 Critical N/A Open N/A Security Security Tester

Key Bugs Identified

Key Findings Stable Areas Quality Assessment: No modules achieved the 90% pass rate threshold required for "stable" classification Current Status: All tested modules show performance below the stability threshold, indicating widespread quality concerns Risk Level: High - The overall test execution results suggest significant quality issues that need immediate attention Recommendation: Focus on identifying and addressing root causes of failures before proceeding with release Risky Areas Overall Quality Risk: Pass rate of 66.7% is below conditional threshold (95%) Critical Defects: 3 critical defects require immediate attention Major Defect Volume: 6 major defects exceed acceptable limit (2) API Testing module needs attention with 60.0% pass rate Authentication module needs attention with 20.0% pass rate Order Management module needs attention with 60.0% pass rate User Management module needs attention with 60.0% pass rate Lessons Learned What Went Well Excellent test execution rate of 100.0% (45/45 tests) No blocked tests - test environment was stable No flaky tests identified - test reliability is good Areas for Improvement Low pass rate of 66.7% indicates quality concerns 3 critical defect(s) require immediate attention High number of major defects (6) indicates quality issues Low pass rates in modules: Authentication Recommendations for Next Cycle Implement stricter quality gates and code review processes Focus on root cause analysis for failing test cases Establish critical defect resolution process with immediate escalation Implement automated testing for critical paths to prevent regression Increase test coverage for major functionality areas Implement continuous integration with automated testing Prioritize high-defect modules for additional testing and development focus Review and improve test cases for low-performing modules Establish regular test execution schedules and monitoring Implement comprehensive test data management processes Create robust defect tracking and resolution workflows Variances/Deviations Test Execution Variances Pass Rate Deviation: Pass rate of 66.7% is significantly below expected threshold. Quality concerns may indicate widespread issues. Conduct root cause analysis and implement quality gates. Critical Defect Deviation: 3 critical defect(s) found - release blocker. Critical functionality is compromised, release should be delayed. Immediate defect resolution and re-testing required. Major Defect Deviation: 6 major defect(s) exceed acceptable threshold. Significant functionality issues may impact user experience. Prioritize major defect resolution before release. Module Pass Rate Deviation: Low pass rates in modules: Authentication. Specific modules show poor quality indicators. Review and improve test cases for low-performing modules. Exit Criteria Criteria Met ■ All planned test cases executed (45/45) Criteria Not Met ■ Pass rate below conditional threshold (66.7% < 95%) ■ Critical defects exceed conditional limit (3 > 0) ■ Major defects exceed conditional limit (6 > 1) Recommendations Implement stricter quality gates and code review processes Focus on root cause analysis for failing test cases Establish critical defect resolution process with immediate escalation Implement automated testing for critical paths to prevent regression Increase test coverage for major functionality areas Implement continuous integration with automated testing Prioritize high-defect modules for additional testing and development focus Review and improve test cases for low-performing modules Establish regular test execution schedules and monitoring Implement comprehensive test data management processes Create robust defect tracking and resolution workflows

Key Findings

Stable Areas Quality Assessment: No modules achieved the 90% pass rate threshold required for "stable" classification Current Status: All tested modules show performance below the stability threshold, indicating widespread quality concerns Risk Level: High - The overall test execution results suggest significant quality issues that need immediate attention Recommendation: Focus on identifying and addressing root causes of failures before proceeding with release Risky Areas Overall Quality Risk: Pass rate of 66.7% is below conditional threshold (95%) Critical Defects: 3

critical defects require immediate attention Major Defect Volume: 6 major defects exceed acceptable limit (2) API Testing module needs attention with 60.0% pass rate Authentication module needs attention with 20.0% pass rate Order Management module needs attention with 60.0% pass rate User Management module needs attention with 60.0% pass rate

Stable Areas

Risky Areas

Lessons Learned What Went Well Excellent test execution rate of 100.0% (45/45 tests) No blocked tests - test environment was stable No flaky tests identified - test reliability is good Areas for Improvement Low pass rate of 66.7% indicates quality concerns 3 critical defect(s) require immediate attention High number of major defects (6) indicates quality issues Low pass rates in modules: Authentication Recommendations for Next Cycle Implement stricter quality gates and code review processes Focus on root cause analysis for failing test cases Establish critical defect resolution process with immediate escalation Implement automated testing for critical paths to prevent regression Increase test coverage for major functionality areas Implement continuous integration with automated testing Prioritize high-defect modules for additional testing and development focus Review and improve test cases for low-performing modules Establish regular test execution schedules and monitoring Implement comprehensive test data management processes Create robust defect tracking and resolution workflows

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What Went Well

Areas for Improvement

Recommendations for Next Cycle

Variances/Deviations Test Execution Variances Pass Rate Deviation: Pass rate of 66.7% is significantly below expected threshold. Quality concerns may indicate widespread issues. Conduct root cause analysis and implement quality gates. Critical Defect Deviation: 3 critical defect(s) found - release blocker. Critical functionality is compromised, release should be delayed. Immediate defect resolution and re-testing required. Major Defect Deviation: 6 major defect(s) exceed acceptable threshold. Significant functionality issues may impact user experience. Prioritize major defect resolution before release. Module Pass Rate Deviation: Low pass rates in modules: Authentication. Specific modules show poor quality indicators. Review and improve test cases for low-performing modules.

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Test Execution Variances

Exit Criteria Criteria Met ■ All planned test cases executed (45/45) Criteria Not Met ■ Pass rate below conditional threshold (66.7% < 95%) ■ Critical defects exceed conditional limit (3 > 0) ■ Major defects exceed conditional limit (6 > 1)

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workflows

Test Environment Environment Details Environment Name: QA Software Version: v1.1.0 Software Details: Application v2.1.0, API Gateway v1.5.2, Microservices v3.0.1 Browsers: Chrome 120, Firefox 119, Safari 17, Edge 120 Database: PostgreSQL 15.4 Database Details: PostgreSQL 15.4 with Redis 7.2 cache Deployment: Docker Containers Load Balancer: NGINX 1.24 Monitoring: Prometheus + Grafana Logging: ELK Stack (Elasticsearch 8.11, Logstash 8.11, Kibana 8.11)

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Environment Details

Sign-Off Test Team Development Team Product Owner Quality Assurance Test Lead: Ashish Uniyal Development Lead: Tejsing Wagh Product Owner: GSuppa QA Manager: Dhiraj Barhate Test Engineer: Saikat Ghosh Date: 2025-09-14 Date: 2025-09-14 Date: 2025-09-14 Date: 2025-09-14

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