Test Summary Report

Test Summary Report E-Commerce Platform - v2.5.3 Environment: QA Plan: TP-ECOMMERCE-2024-004 Generated: 2025-09-14 02:50:16

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E-Commerce Platform - v2.5.3

Environment: QA Plan: TP-ECOMMERCE-2024-004 Generated: 2025-09-14 02:50:16

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 66.67% 15 Failed 33.3% 0 Blocked 0 Skipped Test Analytics Test Results Failures by Module Defects by Severity Defects by Priority Test Execution Summary Module Total Passed Failed Pass Rate API Testing 5 3 2 60.0% Authentication 5 1 4 20.0% Dashboard 5 4 1 80.0% Order Management 5 3 2 60.0% Payment 5 4 1 80.0% Performance 5 4 1 80.0% Reports 5 4 1 80.0% Security 5 4 1 80.0% User Management 5 3 2 60.0% Modules Covered Module Tests Executed Passed Failed Pass Rate Status API Testing 5 3 2 60.0% Needs Attention Authentication 5 1 4 20.0% Critical Dashboard 5 4 1 80.0% Good Order Management 5 3 2 60.0% Needs Attention Payment 5 4 1 80.0% Good Performance 5 4 1 80.0% Good Reports 5 4 1 80.0% Good Security 5 4 1 80.0% Good User Management 5 3 2 60.0% Needs Attention 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) Variances/Deviations Test Execution Variances Pass Rate Deviation (Medium) Description: Pass rate of 66.7% is significantly below expected threshold Impact: Quality concerns may indicate widespread issues Mitigation: Conduct root cause analysis and implement quality gates Critical Defect Deviation (Critical) Description: 3 critical defect(s) found - release blocker Impact: Critical functionality is compromised, release should be delayed Mitigation: Immediate defect resolution and re-testing required Major Defect Deviation (High) Description: 6 major defect(s) exceed acceptable threshold Impact: Significant functionality issues may impact user experience Mitigation: Prioritize major defect resolution before release Module Defect Density Deviation (High) Description: High defect density in modules: API Testing, Authentication, Order Management, User Management Impact: Specific modules show excessive defect rates Mitigation: Focus additional testing and development effort on high-defect modules Module Pass Rate Deviation (Medium) Description: Low pass rates in modules: Authentication Impact: Specific modules show poor quality indicators Mitigation: Review and improve test cases for low-performing modules 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 Bug ID Severity Priority Status Description Module Assigned To BUG-001 Major High Open Bug BUG-001 Authentication John Smith BUG-002 Medium Medium Open Bug BUG-002 Authentication John Smith BUG-003 Medium Medium Open Bug BUG-003 Authentication John Smith BUG-004 Critical Open Bug BUG-004 Authentication John Smith BUG-005 Medium Medium Open Bug BUG-005 Dashboard Mike Johnson BUG-006 Major High Open Bug BUG-006 Order Management Sarah Wilson BUG-007 Medium Medium Open Bug BUG-007 Order Management Sarah Wilson BUG-008 Major High Open Bug BUG-008 Payment David Brown BUG-009 Minor Low Open Bug BUG-009 Reports Lisa Chen BUG-010 Major High Open Bug BUG-010 User Management Alex Kumar BUG-011 Medium Medium Open Bug BUG-011 User Management Alex Kumar BUG-012 Critical High Open Bug BUG-012 API Testing API Tester BUG-013 Major Medium Open Bug BUG-013 API Testing API Tester BUG-014 Major High Open Bug BUG-014 Performance Perf Tester BUG-015 Critical Open Bug BUG-015 Security Security Tester 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 66.67% 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 shows critical quality issues 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 Exit Criteria Criteria Met ■ All planned test cases executed (45/45) Criteria Not Met ■ Pass rate below conditional threshold (66.67% < 95%) ■ Critical defects exceed conditional limit (3 > 0) ■ Major defects exceed conditional limit (6 > 1) 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 High defect density in modules: API Testing (3 defects), Authentication (5 defects), Dashboard (2 defects), Order Management (3 defects), Payment (2 defects), Performance (2 defects), Reports (2 defects), Security (2 defects), User Management (3 defects) Low pass rates in modules: Authentication (20.0%) 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 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 Release Decision Release Recommendation: REJECTED Comments: Based on test execution results and exit criteria evaluation 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

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45 Total Tests 45 Executed 100.0% 30 Passed 66.67% 15 Failed 33.3% 0 Blocked 0 Skipped

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45

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45 Executed 100.0%

45

Executed

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30 Passed 66.67%

30

Passed

66.67%

15 Failed 33.3%

15

Failed

33.3%

0 Blocked

0

Blocked

0 Skipped

0

Skipped

Test Analytics Test Results Failures by Module Defects by Severity Defects by Priority

Test Analytics

Test Results Failures by Module Defects by Severity Defects by Priority

Test Results

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Failures by Module

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Test Execution Summary Module Total Passed Failed Pass Rate API Testing 5 3 2 60.0% Authentication 5 1 4 20.0% Dashboard 5 4 1 80.0% Order Management 5 3 2 60.0% Payment 5 4 1 80.0% Performance 5 4 1 80.0% Reports 5 4 1 80.0% Security 5 4 1 80.0% User Management 5 3 2 60.0%

Test Execution Summary

Modules Covered Module Tests Executed Passed Failed Pass Rate Status API Testing 5 3 2 60.0% Needs Attention Authentication 5 1 4 20.0% Critical Dashboard 5 4 1 80.0% Good Order Management 5 3 2 60.0% Needs Attention Payment 5 4 1 80.0% Good Performance 5 4 1 80.0% Good Reports 5 4 1 80.0% Good Security 5 4 1 80.0% Good User Management 5 3 2 60.0% Needs Attention

Modules Covered

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

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

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Test Execution Variances

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Major Defect Deviation (High) Description: 6 major defect(s) exceed acceptable threshold Impact: Significant functionality issues may impact user experience Mitigation: Prioritize major defect resolution before release

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Description: 6 major defect(s) exceed acceptable threshold

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Module Defect Density Deviation (High) Description: High defect density in modules: API Testing, Authentication, Order Management, User Management Impact: Specific modules show excessive defect rates Mitigation: Focus additional testing and development effort on high-defect modules

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Description: Low pass rates in modules: Authentication

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

Key Bugs

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 66.67% 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 shows critical quality issues 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

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

Stable Areas

Risky Areas Overall Quality Risk: Pass rate of 66.67% 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 shows critical quality issues 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

Risky Areas

Exit Criteria Criteria Met ■ All planned test cases executed (45/45) Criteria Not Met ■ Pass rate below conditional threshold (66.67% < 95%) ■ Critical defects exceed conditional limit (3 > 0) ■ Major defects exceed conditional limit (6 > 1)

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What Went Well

Areas for Improvement

Recommendations for Next Cycle

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

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

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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

Recommendations