

Test Plan: Feature integration of third-party payment gateway into an existing e-commerce platform

TABLE OF CONTENTS

1 Objectives

Test objects are integrated third-party payment gateway into the platform. Payment functionality in e-commerce platform.

2 Testing Strategy

Test strategy includes:

- system and integration testing;
- security testing;
- regression testing (automated and manual);
- user accepting testing;
- performance testing;

3 Resources/Roles & Responsibilities

Description of the Test team and their responsibilities. Tools and environments.

4 Test environment requirements

Requirements for the test environments include configurations of the payment gateway sandbox, test payment accounts, etc.

5. Test Scope

5.1 Functionality to be tested / Test Scenarios

5.2 Functionality cannot be tested

6. Testing process

6.1 Testing Schedule

6.2 Dependencies

6.3 Defect management

6.4 Reporting

7. Risk management

Identifying the testing scope, and determining test cases.

Step 1: Request requirements from the stakeholders(BA, PO and others) for the payment gateway integration. Investigate the current payment system of the e-commerce platform.

Step 2: Conduct documentation and requirements testing. Identify if the new third-party payment gateway fits the current functionality. Identify priorities, risks, and gaps.

Step 3: Create test cases/ test scenarios/ checklists. Include checks of configurations, positive and negative cases(transactions), post-transaction functionality checks, security checks, user experience testing

Step 5: Create traceability matrix

During this process collaborate with stakeholders and the test team to confirm the scope of testing and priorities. Align and adjust the results accordingly to feedback and with project objectives and needs.

Handling Changes in Requirements During Testing

Step 1: Agreed with stakeholders about the process of requirement changes: How the test team will be notified about requirements?

Step 2: Analyze CR. Review and update existing test scenarios, and create new ones.

Step 3: Agreed with stakeholders about changes in the timeline if needed.

Step 4: Test CR, and perform regression testing.