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1 Overview

As part of the project, Given the specificity of the site it is very important to have the same quality and the site.

This document describe approaches and methodologies that will apply to the unit, integration and system testing of the "https://demo.opencart.com/".

This document serves as high level test planning document with details on the scope of the project, test strategy, test schedule and resource requirements, test deliverables and schedule.

2 Scope

The scope of the project includes testing the following features of 'https://demo.opencart.com/' web application.

Inclusions

- Register
- Login & Logout
- Forgot Password
- Search
- Add to Cart
- Wish List
- Shopping Cart
- Home Page
- Checkout Page
- My Account Page
- Order History Page
- Downloads Page
- Contact Us Page
- Menu Options
- Category Pages

From our understanding, we believe above functional areas need to be Tested.

Test Environments

- Windows 10 – Chrome, Firefox and Edge
- Mac OS – Safari Browser
- Android Mobile OS – Chrome
- iPhone Mobile OS - Safari

Exclusions

- All the features except that are mentioned under 'Inclusions'
- Any third-party features or Payment gateways
- Test Automation
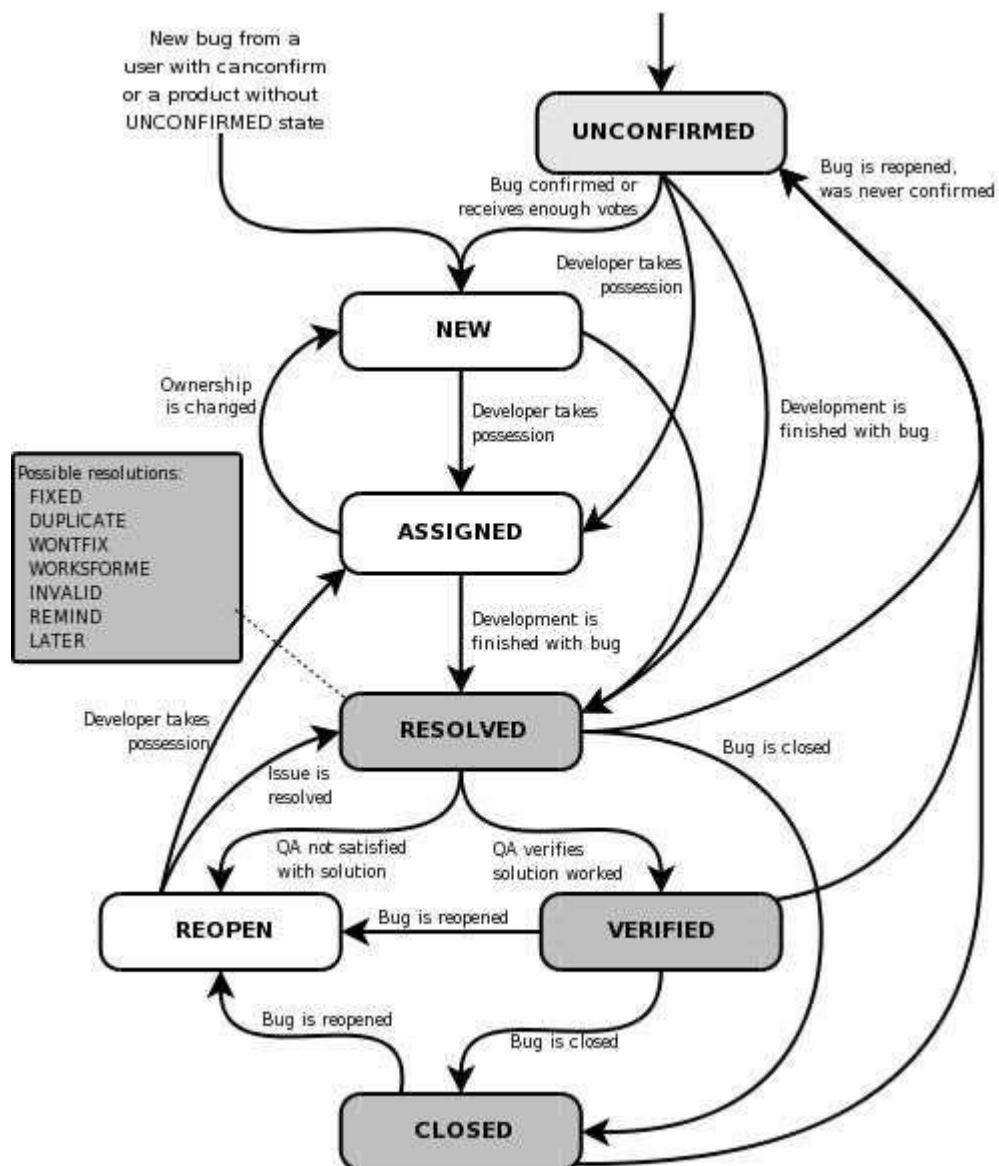
3 Test Strategy

3.1 QA role in test process

- Understanding Requirements
- Preparing Test Cases
- Preparing Test Matrix
- Reviewing test cases and matrix
- Creating Test Data
- Executing Test Cases
- Retesting and Regression Testing
- Deployment/Delivery

3.2 Bug life cycle:

All the issues found while testing will be logged into Word document.

Bug life cycle for this project is as follows:

New bug from a user with canconfirm or a product without UNCONFIRMED state

UNCONFIRMED

Bug is reopened, was never confirmed

Bug confirmed or receives enough votes

Developer takes possession

NEW

Ownership is changed

Developer takes possession

Development is finished with bug

Possible resolutions:
FIXED
DUPLICATE
WONTFIX
WORKSFORME
INVALID
REMIND
LATER

ASSIGNED

Development is finished with bug

Developer takes possession

RESOLVED

Bug is closed

Issue is resolved

QA not satisfied with solution

QA verifies solution worked

REOPEN

Bug is reopened

VERIFIED

Bug is reopened

Bug is closed

CLOSED

3.3 Testing types

- Black box Testing
- GUI Testing
- Integration Testing
- Functional Testing
- System Testing
- Performance Testing
- User Acceptance Testing
- Alpha Testing

3.4 Bug Severity and Priority Definition

Bug Severity and Priority fields are both very important for categorizing bugs and prioritizing if and when the bugs will be fixed.   The bug Severity and Priority levels will be defined as outlined in the following tables below. Testing will assign a severity level to all bugs. The Test Lead will be responsible to see that a correct severity level is assigned to each bug.

4 Roles/Responsibilities

Name	Role	Responsibilities
Person A	Test Manager	✓ Escalations
Person B	Test Lead	✓ Create the Test Plan and get the client signoffs ✓ Interact with the application, createand execute the test cases ✓ Report defects ✓ Coordinate the test execution. Verify validity of the defects being reported. ✓ Submit daily issue updates and summary defect reports to the client. ✓ Attend any meeting with client.
Person C	Senior Test Engineer	✓ Interact with the application ✓ Create and Execute the Test cases. ✓ Report defects
Person D	Test Engineer	✓ Interact with the application ✓ Execute the Test cases. ✓ Report defects

5 Test Schedule

Following is the test schedule planned for the project –

Task	Time Duration
▪ Creating Test Plan	Start Date to End Date
▪ Test Case Creation	Start Date to End Date
▪ Test Case Execution	Start Date to End Date
▪ Summary Reports Submission	Date

6 Test Deliverables

The following are to be delivered to the client:

Deliverables	Description	Target Completion Date
Test Plan	Details on the scope of the Project, test strategy, test schedule, resource requirements, test deliverables and schedule	Date
Functional Test Cases	Test Cases created for the scope defined	Date
Defect Reports	Detailed description of the defects identified along with screenshots and steps to reproduce on a daily basis.	NA
Summary Reports	Summary Reports – Bugs by Bug#, Bugs by Functional Area andBugs by Priority	Date

7 Entry and Exit Criteria

- • Entry Criteria

✓ All test hardware platforms must have been successfully installed, configured, andfunctioning properly.

✓ All the necessary documentation, design, and requirements information should beavailable that will allow testers to operate the system and judge the correct behavior.

- ✓ All the standard software tools including the testing tools must have beensuccessfully installed and functioning properly.

- ✓ Proper test data is available.

- ✓ The test environment such as, lab, hardware, software, and system administrationsupport should be ready.

- ✓ QA resources have completely understood the requirements

- ✓ QA resources have sound knowledge of functionality

- ✓ Reviewed test scenarios, test cases and RTM

  - • Exit Criteria

- ▪ A certain level of requirements coverage has been achieved.

- ▪ No high priority or severe bugs are left outstanding.

- ▪ All high-risk areas have been fully tested, with only minor residual risks leftoutstanding.

- ▪ Cost – when the budget has been spent.

- ▪ The schedule has been achieved

8 Suspension and Resumption Criteria

Based on the Client decision, we will suspend and resume the Project.

We will ramp up and ramp down the resources as per Client needs.

9 Tools

The following are the list of Tools we will be using in this Project:

- • Bug Tracking Tool
- • Mind map Tool
- • Snipping Screenshot Tool
- • Word and Excel documents

10 Risks and Mitigation

The following are the list of risks possible and the ways to mitigate them:

Risk: Non-Availability of a Resource

Mitigation: Backup Resource Planning

Risk: Build URL is not working

Mitigation: Resources will work on other tasks

Risk: Less time for Testing

Mitigation: Ramp up the resources based on the Client needs dynamically

11 Approvals

Team will send different types of documents for Client Approval like below:

- Test Plan
- Test Scenarios
- Test Cases
- Reports

Testing will only continue to the next steps once these approvals are done.