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Overview

As Part of this Project, ‘OpenCart’ asks kishor to test Registration functionality of ‘https:// opencart.com/’ web application.

The scope of the Project, Test strategy, Test schedule, Resource needs, and Test deliverables are all detailed in this document, which also serves as the High-level Test Planning document.

Scope

The scope of the Project includes testing the Registration feature of ‘https:// opencart.com/’ web application.

Inclusions

- Registration Page

Exclusions

- All the features except that are mentioned under ‘Inclusions’.
- Test Automation
- All the Features except Inclusion.

Test Environment

- Windows 10 – Chrome, FireFox

Test Strategy

'Kishor' is communicated with the 'OpenCart' and has understood that we need to Perform Functional Testing, UI Testing, User Acceptance Testing, Exploratory Testing, Usability Testing of the Registration Page of the Open Cart Web application.

As a part of functional testing, we follow the below approach for testing.

Step #1 – Creation of test scenarios and test cases Registration Feature.

- We will apply following test designing technique while creating test cases.
    - Boundary value analysis
- We also use our expertise in creating test cases by applying the below.
    - Error guessing.
    - Exploratory testing
- We priorities the test cases

Step #2 – Our testing process, when we get an application for testing:

- Firstly, we will perform smoke testing to check stability of the build provided.
- Then we perform sanity testing to check whether the different and important functionalities of the application are working.
- We reject the build, If the smoke testing fails and we wait for the stable build before performing in-depth testing of the application functionality.
- Once we receive a stable build, which passes the Smoke Test, and Sanity Test then we perform in-depth testing using test cases created.
- We then report the bugs in bug tracking tool and send it to developer or the management.
- As a part of testing, we perform below types of testing:
    - Smoke and Sanity Testing
    - Regression testing and Retesting
    - Usability testing, Functionality testing and UI testing.

Step #3 - We will follow the below test practices to make our testing better.

- Context Driven Testing: We will perform testing as per the context given for the application.
- Shift Left Testing: We will start testing from the beginning stages of the development stage itself, instead of waiting for the stable build.
- Exploratory testing: using our expertise we will perform Exploratory testing, apart from normal execution of the test cases.

Defect Reporting Procedure:

During the test execution-

- Any deviation from the expected behavior by the application will be noticed. If it can't be reported as a defect, it would be reported as an observation / issue or posed as a question.
- Any usability issues will also be reported.
- After discovery of the defect, it will be retested to verify reproducibility of the defect. Screenshots with steps to reproduce are documented.
- Every day, at the end of test execution, defects encountered will be sent along with the observations.

Note:

- Defects will be documented in Excel document.
- Test scenarios and test cases will be documented in an Excel document.

Roles and 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, create, and execute the test cases. ✓ Report Defects. ✓ Coordinate test execution. Verify validity of the defects being reported. ✓ Submit daily issue updates and summary defect reports to the client. ✓ Attend any meetings with the 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

Test Schedule

Following is the Test Schedule is planned for the project –

Task	Time Duration
• Create 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

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
Test Cases	Test case created for the scope defined.	Date
Defect Reports	Detail description of the defects identified along with the screenshots and steps to reproduce on a daily basis.	NA
Summary Reports	Bugs by bugs # Bugs by functional area Bugs by priority	Date

Entry and Exit Criteria:

Below are the entry and exit criteria for all the phases of Software testing life cycle.

Requirement Analysis:

Entry Criteria:

- Once the testing team receives the requirements Document or Details about the project.

Exit Criteria:

- ✓ The list of requirements are explored and understood by the testing team.
- ✓ Doubts are cleared.

Test Planning:

Entry Criteria:

- Testable requirements derived from the given requirements Documents or Project Details.
- Doubts are cleared.

Exit Criteria:

- ✓ Test plan document (Include test strategy) is signed off by the client.

Test Designing:

Entry Criteria:

- Test plan document is signed off by the client.

Exit Criteria:

- ✓ Test Scenarios and Test cases are signed off by the client.

Test Execution:

Entry Criteria:

- Test Scenarios and Test cases are signed off by the client.
- Application is ready for testing.

Exit Criteria:

- ✓ Test case reports, Defect reports are ready.

Test Closure:

Entry Criteria:

- Test case reports, Defect reports are ready.

Exit Criteria:

- ✓ Test Summary Reports.

Suspension and Resumption Criteria:

- ❖ Based on the client's decision, we will suspend and resume the project.
- ❖ We will ramp up and ramp down the resources as per the client's needs.

Tools:

The following are the tools we are using for this project –

- Jira bug tracking tool.
- Mind map tool.
- Snipping Screenshot tool.
- Word and Excel Document.

Risks and Mitigations:

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

Risk – Non-Availability of Resources.

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's needs dynamically.

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.