**1. Test Plan Identifier**

**File Name:** 1.0\_nopCommerce

**Location:** Chennai, Cognizant

**2. Document History**

|  |  |  |  |
| --- | --- | --- | --- |
| **REV** | **Author** | **Edits** | **Date** |
| 1.0 |  | Initial Draft | 16-01-2020 |
|  |  |  |  |
|  |  |  |  |

**3. Introduction**

nopCommerce is the best open-source e-Commerce shopping cart solution. nopCommerce is free, and it is the most popular ASP.NET e-Commerce platform.. At that time there were no free and open-source shopping carts that would not impose the limitations on business processes and flow hence the essential goal for nopCommerce was to fix that.

This test plan will outline the features to be tested as part of customer details in the 1.0 release.

4. **Features to be Tested**

Medium priority features are features that have been stable and High Priority features are features that have been recently changed.

|  |  |  |
| --- | --- | --- |
| **Feature To be Tested** | **Priority** | **Comments** |
| Registration | High |  |
| Login Functionality | High |  |
| Add to Cart |  |  |
| Billing Address |  |  |
| Shipping Address |  |  |
| Shipping Method |  |  |
| Payment Method |  |  |
| Payment Information |  |  |
| Confirm Order |  |  |
| Delete from Cart |  |  |
|  |  |  |

1. **Features NOT to be Tested**

* Help Contents will not be tested.
* Installation and presentation will not be tested.
* Support of the other architectures also will not be tested

1. **Test Strategy**

The test strategy for nopCommerce1.0 will include both manual testing and automated testing. Automated testing will be used to test the basic Interface objects, keyboard and mouse navigation or any redundant tasks best translated to automation. Automated testing will be limited to a Windows7 -64 bit platform because of Automation tool limitations.

* Sanity test will include a functional test to ensure the nopCommerce1.0 runs/launches and can connect to the back end database. Test execution will happen as individual component testing. These tests will be fully automated.
* Acceptance tests will include a functional test that will only touch major features to ensure nopCommerce1.0 will operate smoothly at a basic level. These tests will be executed on Windows 7, Windows 10. The goal will be to automate all of these tests.
* Full Functional tests will include a comprehensive test of all features listed in this document. These tests will be limited to the Windows 7 or Windows 10 client. These tests will include automation with time allowing.

**Functionality Testing**

**Registration**

Verify New Registration

Verify Modification of the existing record

Verify Deletion of the existing record.

Verify Searching of existing of records.

Verify Refresh of the Data Fields.

Verify Closing of the registration window.

**Login**

**Add to Cart**

**Billing Address**

**Shipping Address**

**Shipping Method**

**Payment Method**

**Payment Information**

**Confirm Order**

**Delete from Cart**

**Usability Testing**

The usability testing will be accomplished by verifying the information in each window are accurate. Menus, icons and toolbar functionality will be tested as applicable to the navigation and results panes. Multi Window Overlapping will be tested because product supports opening of multiple documents.

6.1.1.0 Images

6.1.1.1 Font size

6.1.1.2 Colour

6.1.1.3 Grammar/Spelling Mistakes

6.1.1.4 Copyrights windows

6.1.1.5 Authorized by

6.1.1.6 Logos

6.1.1.7 Font Alignments

6.1.1.8 Database

**Robustness/Reliability Testing**

Test the GUI for correct keyboard and mouse navigation, windows, menus, buttons, etc. These tests will include Keyboard only navigation of nopCommerce1.0, Mouse only navigation. Correctness and existence of warning/error dialog boxes. The correct/expected functionality of buttons, icons and menus.

**Stress Testing**

Not applicable

**7. Test Deliverables**

Business Requirement Specification, Functional Requirement Specifications, Software Requirement Specifications 1.0\_nopCommerce\_tspec.doc

Test Plan Specification 1.0\_nopCommerce\_tplan.doc

Test Scenarios

Test Case Specifications

Automation Test Plan Selenium

Test Logs TBD

Test Tools Selenium, Jira

**8. Testing Tasks & Resource Needs**

Use of My SQL Server database.

Write Test Specification.

Write Test Automation plan.

Write Test Checklist.

Setup workspace.

Develop Automation script.

Minimum requirements for platforms:

Processor : Pentium(R) Dual-Core CPU E5400 @2.70 GHz

Installed memory (RAM) : 4.00 GB

System Type : 64-bit Operating System

Pen and touch : No Pen or Touch Input is available for this Display

**9. Schedule**

Test Documentation

| Document | Development Time | | Sign-off Date | Dependencies |
| --- | --- | --- | --- | --- |
|  | Person-Days | Completion Date |  |  |
| Test Plan | 2 days | 16-01-20,  17-01-20 |  | Functional Spec. Review |
| Test Specifications | 3 days |  |  | Test plan, Functional Spec, Review |
| Test Logs | TBD |  |  |  |
| Test Summary Report | TBD |  |  |  |
| Checklist | TBD |  |  |  |

Test Development

| Deliverable | Development Time | | Dependencies |
| --- | --- | --- | --- |
|  | Person-Days | Completion Date |  |
| Functional Test Suite | 8 | 22-01-20 |  |
| Automation build | 15 |  |  |
|  |  |  |  |

Test Execution

| Test Activity | | Execution Time (Person-Days) | | | Dependencies |
| --- | --- | --- | --- | --- | --- |
|  | | Alpha | Beta | FCS |  |
| Acceptance | | 2 Days | 2 Days | 4 Days |  |
| Functional | Functionality | 5 | 4 | 9 |  |
|  | Usability | All High to Medium testcaces |  |  |
|  | Robustness |  |
|  | Stress |  |
|  | Multi Inst. |  |
| Regression | |  |  |  |  |
| Documentation Review | | 2 | 2 | 2 |  |
| Total Test Cycle | | 8 | 8 | 6 |  |

**10. Issues/Risks and Contingencies**

| RISK | CONTINGENCY | COMMENTS |
| --- | --- | --- |
| Any Automation will need to be created in parallel of testing. | Manual testing | Goal is to add Automation where possible.  Initial setup might be able to be worked on in an earlier stage if time permitting. |
| VB Accessibility Utilities and specs to verify compliance to Accessibility are not available. | Simplistic tests | Accessibility guidelines are not specified in spec. |
|  |  |  |
|  |  |  |

**11.Approvals**

| POSITION  \* Approval Required | NAME | SIGNATURE | REVIEWED | APPROVED |
| --- | --- | --- | --- | --- |
| Tech Lead |  |  | Raghavendra BN |  |
| STAFF ENG, SW | Anusha Janardhana |  |  |  |
| Project Manager |  |  |  |  |
| Client Approval | Cognizant |  |  |  |

12. **References**

nopCommerce1.0 User Interface Specification

nopCommerce1.0 Functional Specification

nopCommerce1.0 Design Specification

Software Requirement Specifications