**1. Test Plan Identifier**

**File Name: 1.0\_**nopcommerce\_tplan\_v1.doc

**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 no free and open-source shopping carts that would not impose the limitation on business processes and flow hence the essential goal for nopCommerce was to fix that.

The philosophy of the open-source product allows us to receive the contribution of developers and businesses from around the world. That helps us to grow faster and meet the highest security and technology standards.

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 | High |  |
| Add cart |  |  |
| Billing address |  |  |
| Shopping address |  |  |
| Shopping method |  |  |
| Payment method |  |  |
| Payment information |  |  |
| Confirm order |  |  |
| Delete from cart |  |  |

1. **Features NOT to be Tested**

* Help Contents and About us will not be tested.
* Installation and presentation will not be tested.
* Support of the other architectures also will not be tested.
* Comments and reviews will not be tested.
* Partners data 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 Window7-64bit platform because of Automation tool limitations.

* Sanity test will include an very short functional test to ensure the nopComerce0.1 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 short functional of tests that will only touch major features to ensure nopCommerce will operate smoothly at a basic level. These tests will be executed on Windows7, windows10. 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 Windows7 or windows10 client. These test 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**

Verify login of existing records.

Verify Searching of existing of records.

Verify Refresh of the Data Fields.

Verify Closing of the registration window.

**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 Colours

6.1.1.3 Grammar/Spelling Mistakes

6.1.1.4 Copyrights Windows

6.1.1.5 Authorised 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 Specifications

Functional Requirement Specifications

Software Requirement Specifications

Test plan specification

Test scenarios

Test case specifications

Automation test plan Selenium

Test Logs TBD

Test tools Selenium, jira,

**8. Testing Tasks & Resource Needs**

Use of MySQL sever database.

Write Test Specification.

Write Test Automation plan.

Write Test Checklist.

Setup workspace.

Develop Automation script.

Minimum requirements for platforms:

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

RAM : 2.00 GB

System type : 64-bit Operating System

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

(\* Automation needs an additional 128MBs to function)

**9.Schedule**

Test Documentation

| Document | Development Time | | Sign-off Date | Dependencies |
| --- | --- | --- | --- | --- |
|  | Person-Days | Completion Date |  |  |
| Test Plan | 2 days | 16-01-2020  17-01-2020 |  | 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 | 22-01-2020 |  |
| Automation build | 15 |  |  |
|  |  |  |  |

Test Execution

| Test Activity | | Execution Time (Person-Days) | | | Dependencies |
| --- | --- | --- | --- | --- | --- |
|  | | Alpha | Beta | FCS |  |
| Acceptance | | 3 Days | 3 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 |  |  |  |  |
| STAFF ENG, SW | Ram Prasad |  | Raghavedra |  |
| Project Manager |  |  |  |  |
| Clint Approval | cognizant |  |  |  |

12. **References**

nopCommerce1.0 User Interface Specification

nopCommerce1.0 Functional Specification

nopCommerce1.0 Design Specification