**Test Plan Document 001**

**Content**

1. **Introduction...................................................................................... 2**
2. **Test Scope**
   1. **Features to be tested.................................................................... 2**
   2. **Features not be tested................................................................. 2**
3. **Assumptions..................................................................................... 2**
4. **Test Schedule.................................................................................... 3**
5. **Risk Management............................................................................. 3**
6. **Test Strategy..................................................................................... 3**
7. **Roles and responsibility**
   1. **Test manager.............................................................................. 3**
   2. **Test lead..................................................................................... 4**
   3. **Test engineer.............................................................................. 4**
   4. **Developer................................................................................... 4**
8. **Test Environment.............................................................................. 4**
9. **Test tools.......................................................................................... 4**
10. **Defect Management.......................................................................... 4**
11. **Test deliverables............................................................................... 5**
12. **Exit criteria........................................................................................ 5**
13. **Introduction**

This project is about testing an E-commerce website, basically an online shopping website where a user can browse the application, search for a product, add a product to cart, buy a product after logging into the application.

Also a user can use various payment methods for making the payment.

1. **Test Scope**

**2.1 Features to be tested**

* Registering on the website
* Login to the website
* Browsing the website
* Searching for a product
* Adding a product to the cart
* Adding a product to the wishlist
* Making the payment for product
* Placing an order
* Updating the account details of the user
* Updating the shopping cart/ wishlist
* Updating the billing and shipping addresses
* Subscribing for newsletter
* Providing a review for a product
* Exploring categories and sub categories
* Applying different filters on the product
* Sorting the products
* Sharing a product via social media
* Applying coupon code on the product
* Applying gift code to a product
* Tracking the order

**2.2 Features not be tested**

* The third party payment gateway used for making payment.

1. **Assumptions**

* Testing will be started once the test environment is ready.
* Testing team will be provided with all the required test data.
* All the bugs will be reported with the steps to reproduce and with a screenshot for reference in future.
* All the issues will be tracked on jira tool.
* The test execution will start only after the test cases will be reviewed and approved by team manager or team lead
* No. Of test cycles will depend on the defect rate.

1. **Test Schedule**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test execution** | **Start date** | **End date** | **Available time** |
| Cycle 1 | 15-07-2022 | 17-07-2022 | 3 days |
| Fixing of bugs | 18-07-2022 | 19-07-2022 | 3 days |
| Retesting | 20-07-2022 | 20-07-2022 | 1 day |
| Cycle 1 | 21-07-2022 | 23-07-2022 | 3 days |
| Fixing of bugs | 24-07-2022 | 25-07-2022 | 3 days |
| Retesting | 26-07-2022 | 26-07-2022 | 1 day |
| Total -14 days | | | |

1. **Risk Management**

* If there is sudden change in the requirement or last moment change in requirement then we will consider it as a change request
* If the test environment is ready on time/stable test environment.

1. **Test Strategy**

* Agile methodology will be used.
* Testing levels will be are unit, Integration, system, UAT.
* Non functional testing will include- compatibility, configuration, security, performance.
* No. Of test cycles to be performed will be 2-3.

1. **Roles and Responsibility**
   1. **Test Manager**

* Responsible for the whole project activities related to testing.
* Monitoring and control.
* Effort estimation.
* Resource management.
* Stakeholder and communication management.
* Defect triage meeting.

**7.2 Test Lead**

* Manage day to day testing activities.
* Work allocation and status review.
* Review testing articrafts.
* Technically lead the testing team.
* Defect triage meeting.

**7.3 Test Engineer**

* Creating test scenarios.
* Designing test cases.
* Creation of test cases.
* Execution of test cases.
* Reporting of defects.
* Tracking defects till closure.

**7.4 Developer**

* Provide the built on time.
* Fix the issues on time.
* To perform unit testing.
* To keep the environment test ready.

**8. Test Environment**

* Hardware requirement- minimum 5-10 computers, RAM- 2 GB.
* Software requirement- OS- windows 7 and above, MAC.
* Database- My SQL

**9. Test tools**

* Test management tool- Testlink.
* Defect tracking tool- Jira
* Test automation tool- Selenium.

**10. Defect Management**

While reporting the bug to developer, Bug Report should contain the following information

* **Defect Id** - Unique identification number for the defect.
* **Defect Description** - Detailed description of the Defect including information about the module in which Defect was found.
* **Version** - Version of the application in which defect was found.
* **Steps** - Detailed steps along with screenshots with which the developer can reproduce the defects.
* **Date Raised** - Date when the defect is raised
* **Detected By** - Name/ID of the tester who raised the defect
* **Status** - Status of the defect.
* **Fixed by** - Name/Id of the developer who fixed it
* **Date Closed** - Date when the defect is closed
* **Severity-** which describes the impact of the defect on the application
* **Priority-** which is related to defect fixing urgency. Severity Priority could be High/Medium/Low based on the impact urgency at which the defect should be fixed respectively

**11. Test deliverables**

* Test plan
* Test cases
* Release note
* Test summary report

**12. Exit criteria**

* Execution of all test cases has been completed.
* All the log defects have been closed.
* No high priority or severity or critical bug has been left out.
* When desired no. Of test cycles have been executed.
* Deadlines meet or budget depleted.