***TEST PLAN***

***Project Name: LUMA WEBSITE***

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***1. Introduction***

This document aims to overview the testing approach, strategies, and scope for the Luma E-commercial demo website. This document includes details like the cope of the project, objectives, test schedule and resource allocations, test deliverables, and reports

AUT:<https://magento.softwaretestingboard.com/>

***2. Objectives***

To ensure the functionalities of key features such as product search, add to cart, checkout, and account management.

To confirm compatibility with different browsers.

***3. Scope***

This test plan covers only functional testing and compatibility testing of the LUMA E-commercial demo website across different browsers

***4. Testable features***

* Register, Login , Forgot Password , New user , Search
* Logo, Help, About us, Icons, Add to Cart, Home, Men, Women
* What’s New, Gear, Training, Sale

***5. Testing Approach***

* **Testing Types**
* Functional Testing
* Compatibility Testing
* **Testing Methodologies**
* Compatibility Testing
* Regression Testing
* User Acceptance Testing (UAT)
* End-to-end testing

**Testing Environment**

* UAT
* Pre-prod

**Operating System**

* Windows 10 and above
* Browsers: [Chrome and Firefox]
* Testing Tools: [Selenium, TestNG, Junit, Microsoft teams, salesforce.]

***Roles/Responsibilities***

| Name | Role | Responsibilities |
| --- | --- | --- |
| - | Test Manager | ● Manage budget and resources.  ● Allocating additional support resources.  ● Assess and prioritize project risks/tasks.  ● Monitoring project progress.  ● Resolve communication issues and conflicts effectively. |
| Abhishesh | Test Lead | ● Develop test plans and strategies in alignment with project objectives and requirements.  ● Assign tasks, set priorities, and provide support to team members.  ● Review test results and provide feedback to team members.  ● Monitor and manage risks throughout the testing life cycle |
| Vaishnavi | Test Engineer | ● Understand customer requirements.  ● Write Test scenarios & Test cases.  ● Executing the Test cases.  ● Performing root cause analysis to identify underlying issues.  ● Defect tracking and reporting. |
|  | Test Engineer | ● Understand customer requirements.  ● Configuring and Setting Up test environment.  ● Management of Automation tools.  ● Executing Regression Test cases.  ● File Closure activity. |
| Shubham | Test Engineer | ● Understand areas for regression testing feasibility.  ● Responsible for writing automation scripts.  ● Conducts Smoke, Functional, Integration, System.  ● Collaboration with on-shore subject matter experts. |

**3. Test Schedule**

| Task | Time Duration |
| --- | --- |
| Test plan creation | 04 Feb 2025 |
| Test Scenario Creation | 05 Feb 2025 |
| Test case creation | 06 Feb 2025 |
| Test case Execution | 08 Feb 2025 |
| Summary Report Submission | 09 Feb 2025 |

***4. Test Deliverables***

| Deliverables | Description | Responsible Owner | Target date |
| --- | --- | --- | --- |
| Test Plan | Outlines the testing approach, strategies, and scope for the Luma e-commercial demo website | Masai | 04 Feb 2025 |
| Test Cases | Test Cases were created for both functional testing and compatibility testing. | Masai | 05 Feb 2025 |
| Defect Report | A detailed description of the defects identified in different versions of the application | Masai | 05 Feb 2025 |

### ***5. Entry & Exit Criteria***

#### ***Entry Criteria:***

* *The test environment setup is completed.*
* *Test data is prepared and validated.*
* *Functional modules are available for testing.*

#### ***Exit Criteria:***

* *All test cases were executed with a* ***90%+ pass rate****.*
* *Critical and high-priority bugs have been fixed and retested.*
* *Test reports are generated and shared with stakeholders.*

***6. Tools***

* X mind Map
* TestNG, Junit
* IntelliJ IDEA/STS/Eclipse
* Test Management

## ***7. Risks & Mitigation Plan***

| ***Risk*** | ***Mitigation*** |
| --- | --- |
| *Environment unavailability* | *Use cloud-based Selenium Grid* |
| *Frequent UI changes* | *Implement Page Object Model (POM)* |
| *Cross-browser issues* | *Execute tests on BrowserStack/Sauce Labs* |
| *Test data inconsistencies* | *Use stable test data from external sources* |

***8. Approvals***

* ***Prepared By:*** *QA Team*
* ***Reviewed By:*** *QA Lead*
* ***Approved By:*** *Project Manager*