**Test plan**

Date: Sep 09, 2024

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**Introduction**

**Objectives:** The primary objective of testing “rokomari.com” is to ensure the seamless functionality and user experiences across its core features, including login, signup, product browsing, ordering, payment processing and customer support. The goal is to validate the following :

* Login/ Signup
* Product search and navigation
* Product details
* Add to cart and checkout processes.
* Payment gateway integration
* Order confirmation

**Team Members:**

| **Resource Name** | **Role** | **Type** |
| --- | --- | --- |
| Saiful Islam | Jr. Automation Engineer | Full-time |

**Test Scope**

As a few fields and data need to validate, we need a Backlog document. We will write test cases and review the Backlog and UI design documents. After preparing the testing environment we can access the project on the server. In system testing, we will do Black Box testing and then we will move to Automation testing to build up the regression model.

**Test Approach**

**System Testing:** In system testing, we will use black-box testing. Prerequisite of system testing:

* Backlog
* UI design
* Architecture

**Performance Testing:** We need Apache Jmeter for Load testing.

**Test Automation:** We will use automation testing using Selenium framework for run the regression model.

**Test Environment**

**Operation system:** MacOs

**Browser:** Chrome

**Load testing tool:** Jmeter

**Automation Testing tool:** Cypress(javascript)

**Software Required**

Software required in this system is minimal. Java. To run a set environment we need to use the maven framework and for unit testing we will use TestNG. For Load, Stress testing “Apache Jmeter” is needed. Browser requirement is “Google Chrome” version 92 and chromedriver with the same version as well.

**Milestones**

**Test Schedule:** The initial test schedule follows

| **Test Name** | **Start** | **Finish** | **Effort (Day)** | **Comments** |
| --- | --- | --- | --- | --- |
| Test planning | 28.10.2024 | 5.11.2024 | 5 | Initial planning |
| Review documents |  |  |  |  |
| Create initial test estimates |  |  |  |  |
| First deploy QA test environment |  |  |  |  |
| System Testing |  |  |  |  |
| Automation testing |  |  |  |  |
| Performance testing |  |  |  |  |
| Resolution of final defects and final build testing |  |  |  |  |
| Release to production |  |  |  |  |

**Deliverables:**

| **Deliverable** | **For** | **Date/ Milestone** |
| --- | --- | --- |
| Test Plan | SQA Manager | 26.10.2024 |
| Test Result |  |  |
| Test status report |  |  |
| Test case |  |  |
| Performance testing report |  |  |
| Automation testing report |  |  |
| Resolution of final defects and fina build testing |  |  |
| System testing |  |  |