

Test Plan

Caesarstone NY Campaign Landing Page

And

Gladiator Garage Works Homepage

Version 1.0

Revision and Signoff

Document History

Name	Date	Reason For Changes	Version
Marian Dadzie	7/21/18		1.0

Approvers List

Name	Role	Approver / Reviewer	Date

Reference Documents

Version	Date	Document Name	Owner
1.0		UI Design Specs	
1.0		Technical Design Specs	
1.0		Acceptance Criteria	
1.0	7/21/18	Test Scenarios	MD

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1. Introduction

This document would detail out the testing plan, approach and scenarios of verifying the quality of Caesarstone NY Campaign Landing page and Gladiator Garage Works Homepage.

2. Objective

The objective of this document is to layout the detailed plan on what is required to perform a successful test on Caesarstone Landing page and Gladiator Garage Works Homepage.

3. Scope

The test scope will focus on the frontend landing page of (<https://www.seecaesarstonequartz.com>) and the US homepage of (<https://www.gladiatorgarageworks.com>). Verify the features available on the page are displayed properly and working as per the requirements.

4. Test Strategy

Testing will be done Manually, plus a highlight on an Automation strategy. This strategy will influence tasks related to feasibility analysis, automation framework, test cases and script development and test execution.

4.1. The Key Objectives for Automation:

- i. Determine the right tool
- ii. Identify the scenarios for Automation
- iii. Determine and develop the framework architecture
- iv. Develop re-usable scripts
- v. Execution and result generation
- vi. Maintenance of the scripts (Result-oriented approach)

4.2. Areas of Testing are:

- i. UI / Usability Testing
- ii. Functional & User Acceptance Testing
- iii. Cross Browser and Broken Links Testing
- iv. System/Integration Testing
- v. Security Testing
- vi. Regression Testing
- vii. Load and Performance Testing

5. Automation Coverage

- a. Test scenarios will be automated in order to achieve robust regression coverage, save time and money, continuous integration, and delivery. Automation coverage will be begin with:

- **UI intensive – Phase 1**
 - Usability cases
- **Repetitive cases – Phase 2**
 - Functionality cases
 - Regression case
- **Major functionality cases – Phase 3**
 - Security cases
- **Most used cases – Phase 4**
 - Performance cases

- b. Within the automated test framework, test cases will be grouped into:

- Sanity
- Smoke
- Functional
- Regression

6. Entry Criteria

Testing Life Cycle begins when below conditions are met:

- i. All related documentation are complete
- ii. All big features of homepage are in working form
- iii. Web UI is in a state where testing can begin
- iv. Server and Database side implementation are complete

7. Exit Criteria

Testing Life Cycle ends when below conditions are met:

- i. All major test cases are passed
- ii. Completed full functional test coverage
- iii. All priority defects have been identified, fixed, verified and closed
- iv. Regression test suite is complete

8. Test Environment

Application will be tested with below setup

- i. Web Browser – Latest version of Chrome for in-depth testing; Firefox and Safari will be used for main features testing
- ii. Database
- iii. Operating System - Mac
- iv. Production site (post-production testing)
- v. Jira – Defect Management System

8.1. For the Automation Testing Tools:

Testing Tool	Purpose
Selenium	For UI Automation
Python	Coding language
Unix	Scripting commands
PyCharm CE	IDE to script development
Jenkins	CI Server
Locust	Performance Testing

9. Resources

One QA resource will be working on this page, testing new features and adding to the regression test suite. In addition, QA will to working on the load and performance testing, Jr. Developer or another QA resource will be requested for assistance if and when needed.

10. Deliverables

The key testing deliverables:

- i. Test plan and Strategy
- ii. Automation Framework /Architectural design
- iii. Test Scenarios
- iv. Automated Test Scripts
- v. Test Report and Sign Off

11. Risk and Contingency Plans

Key risks identified and their associated contingency plans:

ID	Rank	Risk Statement	Probability	Impact	Mitigation
1	1	Tool Issues – If the tool cannot handle the feature	Hi	Med	Find alternate solution or move it to manual test
2	2	Server related Issues	Med	Hi	Get support from DevOps team
3	3	Webpage not supportive of Automation	Med	Hi	Get support from Dev. team for integrating elements for automation
4	4	Test environment issues	Hi	Hi	Get support form DevOps