Test Strategy

Wishlist Implementation

website http://automationpractice.com

***Name: Automationpractice.com* Wishlist Implementation**

Version: 1.0

Owner: Francois Martin

1. INTRODUCTION

The Whishlist of section of automationpractice.com will be enhanced and re-implemented.

There will be an additional wishlist feature and for the e-commerce site such as adding new items and existing items to the wishlist.

With the release of the updated wishlist section to support this feature there are a minor fixes of minor issues (bugs) that will be released in this deliverable for the cart sections

A. DOCUMENT PURPOSE

The purpose of this document is to outline the high-level test strategy for the overhaul cart and wishlist of the e-commerce website. Defining the preliminary test scope, high-level test activities, and organization, together with test management for the project. The test strategy provides the framework for estimating the duration of the testing effort at the required confidence level before release .

2. TEST SCOPE AND RISK

A new Wishlist section will be implemented on the automationPractice.com website, the testing will include functionality test of all User story and acceptance criteria with-in these story

B. IN SCOPE

ID	TYPE OF TEST	FEATURE(User Story)	ACCEPTANCE CRITERIA
1	Functional	Wishlist Creation	1. User is Able to create a wishlist 2. User is Able to Delete a wishlist.
2	Functional	Add Item To Whistlist	1. 1. When viewing a product a user can add it to the wishlist 2. 2. Adding the same item multiple times will increase it's wishlist 3. quantity. 4. 3. Items of different size and/or colour are not considered the 5. same 6. 4. Wishlist items will still be there if the user logs out and in

C. OUT OF SCOPE

List the areas and functionality of the website , processes and activities that have been excluded from the testing effort.

ID	Type	Area	Reasoning
1	Functional	Account / User login feature	User login is a prerequis for wishlist implementation
2	Non-Functional	Cross Browser Compatibility	Only Chrome is supported
3	Non-Functional	Mobile Compatibility	Time Constraint
4	Performance	Performance testing of feature / scalability	Time Constraint

C. RISK

Here is the list of all Risk factors that are identified for this project based on scope and implementation

1. Compatibility with other browser
2. User account functionality
3. Scalability for multiple user

3. TESTING APPROACH

The Testing approach will be base seperated in the following way.

Functional

- Test Driven Development -Test design process is initiated as early as possible in order to prepare test cases.
- TDD: write test Case-> watch it fail -> implement -> watch it pass -> refactor -> repeat.
- Test cases are based on the acceptance criteria of each point of epic brief. This produces a number equal or higher of tests for each point.

Non - Functional(End-to-end)

- Behavior Testing of the final product based on exploratory testing.
- Risk based approach of edge-case

Automation Testing

- Automation testing to cover all acceptance criteria
- Automation test are based on Cypress.io library

4. TEST ENVIRONMENT

In this Project the following tools will be used for testing purposes.

Jira - All Issue discovered will be entered in the jira project.
Google Docs - All Test Case and Test Plan will be created in the Google doc (doc or sheets)
Chrome - MAnual and Automation test are run on the chrome browser
Chrome Developer Tools - Chrome developer tools should be used for debug purpose
Cypresse.io node libraries - The Automation framework will be based on these libraries.

5. KEY DELIVERABLE

Here are the key deliverable required by the project manager at the end of testing.

Test Plan - The test plan should be approved by the product owner before test execution can begin
Test Report - The Test Report should contain all available statistique of manual and automated test of all test run executed.