

TEST PLAN

Version 1.0.1
01/21/2024

1. INTRODUCTION

Customers want a perfect website to satisfy their needs, which passes the full cycle of manual testing. Given the specificity of the site it is important to have the same quality of the site as per product requirements.

2. SCOPE

The document mainly targets the functional UI testing, test automation and API testing and validating data in report output as per Requirements Specifications provided by Client.

1. Manual testing
2. Automation testing
3. API Testing
4. Performance Testing
5. Security Testing

3.Subtasks

1.Manual Testing

- 3.1.1 Validate functionality.
- 3.1.2. Validate user is able to register/login.
- 3.1.3. Verify that user receives an error message before and after clicking “submit” button if one of necessary field empty.
- 3.1.4. Verify that first name, last name, address, city ,country, zip code are required fields in “My addresses” module presence.
- 3.1.5. Verify that fields first name, last name does not accept special characters.
- 3.1.6. Verify that field zip code does not accept special characters/letters.
- 3.1.7. Validate functionality of “Checkout” button for “product1”
- 3.1.8. Verify “News” is linked to the right URL in navigation menu

2. Automation Testing

- 3.2.1. Automate script for checkout function for product 1
- 3.2.2. Create automation script to verify link is correct
- 3.2.3. Create automation script to validate user login for Website
- 3.2.4. Create automation script to validate Website user can add an item to the cart
- 3.2.5. Create an automation script to verify Website user can switch to the different languages

3.API Testing

Execute API testing for “Addresses” using CRUD method in Postman.

- 3.3.1. “Happy path” : Test POST, GET, PATCH, DELETE requests
- 3.3.2. Create negative requests for POST, GET,PATCH,DELETE calls
- 3.3.3. Use environment variables
- 3.3.4. Write assertions using snippets
- 3.3.5. Use collection runner

4. Performance Testing

Use Lighthouse, SpeedLab and GTMetrix to execute performance testing for website

5. Security Testing

Use SNYK and Mozilla Observatory to execute security testing for website