**Test Plan**

**California Marketing**

<https://qasvus.wixsite.com/ca-marketing>

**Table of Contents**

1. **INTRODUCTION**
2. **SCOPE**
3. **SUB-TASKS**

**3.1 WEBSITE MANUAL TEST**

**3.2 WEBSITE AUTOMATION TEST**

**3.3 WEBSITE API TEST**

**3.4 WEBSITE AUTOMATION PERFORMANCE TEST**

**3.5 WEBSITE AUTOMATION SECURITY TEST**

1. **TEST SCHEDULE AND ESTIMATED TIME**
2. **APPROVALS**
3. **INTRODUCTION**

The Test Plan has been created to facilitate communication within the team members. This document describes approaches and methodologies that will apply to the User’s Personal Account Address Menu functional testing for an existing user’s account of the website<https://qasvus.wixsite.com/ca-marketing>.

This document has clearly identified sub-tasks of the website's module testing, types of testing, what devices, environments and tools to be used. It includes test cases with expected and actual results, schedule and executing estimated time for each of sub-tasks and the entire project.

1. **SCOPE**

The document mainly targets the GUI, Exploratory, Functional Positive, Negative and Ad-hoc testing of User’s Personal Account Address Menu, Performance and Security testing of the website.

1. **SUB-TASKS**

**3.1 WEBSITE MANUAL TEST**

Execute manual testing for the California Marketing Homepage based on the next types of testing:

* GUI;
* Exploratory testing;
* Functional Positive testing:
* Functional Negative testing;
* Functional Ad-hoc testing.

**GUI Testing:**

GUI testing includes testing the UI part. It covers look and feel, error messages, spelling mistakes, GUI guideline violations.

**Exploratory Testing:**

Exploratory testing will includes a type of software testing where Test cases are not created in advance but QA check system on the fly.

**Functional Positive testing:**

Checks whether an application behaves as expected with positive inputs.

**Functional Negative testing:**

Invalid data is inserted to compare the output against the given input.

**Functional AD-hoc testing:**

Includes an informal testing type with an aim to break the system.

**For Functional testing execute the next manual tests:**

Positive for the following options

* Verify ‘Log In’ tab presents on home page
* Verify if following tab presents on home page: Home:Blog:Shop:Services:More
* Verify if title “California Marketing’ presented on home page
* Verify if user is able to scroll and get ‘Quick View’ on any product carousel
* Verify if user is able to complete email subscription in the ‘Subscribe Form’

**Environment Support:**

- Laptop

- macOS Big Sur

- Browsers: Google Chrome, Mozilla Firefox

**The following test cases are covers these manual tests:**

**(**There are tests results in the table)

| TC | Test Action | Expected Results | Browsers | Actual Results | Pass/ Fail |
| --- | --- | --- | --- | --- | --- |
| POSITIVE TESTS | | | | | |
| 1 | Verify ‘Log In’ button presents on home page | Log In button presents on home page | Google Chrome | as expected | PASS |
| Firefox Mozilla | as expected | PASS |
| 2 | Verify if following tabs presents on home page: Home:Blog:Shop:Services:More | Following tabs: Home, Blog, Shop, Services, More are presented on home page | Google Chrome | as expected | FAIL |
| Firefox Mozilla | as expected | FAIL |
| 3 | Verify if the title  ‘California Marketing’ presented on home page | California Marketing title is populating | Google Chrome | as expected | FAIL |
| Firefox Mozilla | as expected | FAIL |
| 4 | Verify if Play button is functional | User should be able to able to listen to audio playback | Google Chrome | as expected | PASS |
| Firefox Mozilla | as expected | PASS |
| 5 | Verify if user can scroll down on home page | User is able to scroll down to the bottom of the page | Google Chrome | as expected | PASS |
| Firefox Mozilla | as expected | PASS |
| 6 | Verify if yellow background is presented on Web Design cell | Yellow background should be displaying | Google Chrome | as expected | PASS |
| Firefox Mozilla | as expected | PASS |

**Testing Tools used:**

| **Process** | **Tools** |
| --- | --- |
| Test case creation | Microsoft Word, Microsoft Excel, JIRA |
| Test case tracking | Microsoft Word, Microsoft Excel, JIRA |
| Test case execution | Manual |
| Test case management | Microsoft Excel, JIRA |
| Test reporting | Microsoft Excel, JIRA |

**3.2 WEBSITE AUTOMATION TEST**

Automation tests are creates by using Selenium Python UnitTest frameworks on the basis of Functional manual test cases and executed to check functionality of California Marketing Homepage.

**Environment Support:**

- Laptop

- macOS Big Sur

- Browsers: Google Chrome, Mozilla Firefox

**The following test cases are covers automation tests:**

(There are tests results in the table)

| TC | Test Action | Expected Results | Browsers | Actual Results | Pass/ Fail |
| --- | --- | --- | --- | --- | --- |
| POSITIVE TESTS | | | | | |
| 1 | Verify if the title  ‘California Marketing’ presented on home page | California Marketing title is populating | Google Chrome | as expected | PASS |
| Firefox Mozilla | as expected | PASS |
| 2 | Verify ‘Log In’ button presents on home page | Log In button presents on home page | Google Chrome | as expected | PASS |
| Firefox Mozilla | as expected | PASS |
| 3 | Verify if blog search is populating result | Blog search should populate result after user types in search field | Google Chrome | as expected | PASS |
| Firefox Mozilla | as expected | PASS |
| 4 | Verify ‘Get In Touch’  link is functional | Get In Touch link is functional | Google Chrome | as expected | PASS |
| Firefox Mozilla | as expected | PASS |
| 5 | Verify if user is able to complete email subscription in the ‘Subscribe Form’ | User should be able complete email subscription Subscribe Form | Google Chrome | as expected | PASS |
| Firefox Mozilla | as expected | PASS |

**Testing Tools used:**

| **Process** | **Tools** |
| --- | --- |
| Test case creation | PyCharm, Selenium |
| Test case tracking | PyCharm, Browsers |
| Test case execution | Automation |
| Test case management | PyCharm |
| Test reporting | HTML reports, Allure reports |

**Additional automation tests execute on the cloud platforms “Browserstack”**

- macOS Big Sur

- Browsers: Google Chrome, Mozilla Firefox

**Testing Tools used:**

| Process | Tools |
| --- | --- |
| Test case creation | PyCharm, Selenium |
| Test case tracking | Browserstack.com |
| Test case execution | Automation |
| Test case management | PyCharm |
| Test reporting | Video files (mp4) |

**3.3 WEBSITE API TEST**

API tests execute to determine whether the APIs that are developed meet expectations when it comes to functionality, performance, reliability and security for website.

**Environment Support:**

- Laptop

- macOS Big Sur

- Browsers: Google Chrome

(The following test cases are covers API tests: - My Addresses

| TC | Test Action | Expected Results | Actual Results | Pass/ Fail |
| --- | --- | --- | --- | --- |
| POSITIVE TESTS | | | | |
| 1 | POST / New address with correct values is entered | New address is added  Status code is 200 | New address is added  Status code is 200 | PASS |
| 2 | POST / Set up a new address as default | New address is set as default  Status code is 200 | New address is set as default  Status code is 200 | PASS |
| 3 | Get / Show all  addresses | List of all addresses is showing  Status code is 200 | List of all addresses is showing  Status code is 200 | PASS |
| 4 | PATCH / Modify new address info | New company is modified  Status code is 200 | New company is modified  Status code is 200 | PASS |
| 5 | GET / Show modified address | Modify address is showing  Status code is 200 | Modify address is showing  Status code is 200 | PASS |
| 6 | DEL / Delete new address | New address is deleted  Status code is 200 | New address is deleted  Status code is 200 | PASS |
| 7 | DEL / new address for 2nd time | New address has already been removed  Status code is 400 | New address has already been removed  Status code is 400 | PASS |
| 8 | GET / List deleted new address | The deleted address is not in the list  Status code is 400 | The deleted address is not in the list  Status code is 400 | PASS |

**Testing Tools used:**

| Process | Tools |
| --- | --- |
| Test case creation | Postman, Chrome DevTools |
| Test case tracking | Postman |
| Test case execution | Automation |
| Test case management | Postman |
| Test reporting |  |

**3.4 WEBSITE AUTOMATION PERFORMANCE TEST**

Performance automation tests execute for measures the speed, responsiveness and stability of the tested website. Tests execute in incognito environments.

After testing, reports were generated.

**Testing Tools used:**

| **Process** | **Tools** |
| --- | --- |
| Test case creation | Google Lighthouse, GTMetrix, Webpagetest, BrowserStack-SpeedLab |
| Test case tracking | Google Lighthouse, GTMetrix, Webpagetest BrowserStack-SpeedLab |
| Test case execution | Automation |
| Test case management |  |
| Test reporting | txt -, html -, pdf - files |

**3.5 WEBSITE AUTOMATION SECURITY TEST**

Security automation tests execute to reveal potential flaws or weaknesses of software and website. Testing focuses on whether the application is designed and configured correctly.

Tests execute in incognito environments.

After testing, reports were generated.

| **Process** | **Tools** |
| --- | --- |
| Test case creation | Mozilla Observatory, Snyk |
| Test case tracking | Mozilla Observatory, Snyk |
| Test case execution | Automation |
| Test case management |  |
| Test reporting | txt -, html -, pdf - files |

1. **TESTS SCHEDULE AND ESTIMATED TIME**

| **Sub-Task Name** | **Start** | **Est. time (hours)** | **Finish** |
| --- | --- | --- | --- |
| Manual Testing | 07/11/2022 | 1 |  |
| Automation Testing |  | 13 |  |
| API Testing |  | 19 |  |
| Performance testing |  | 4 |  |
| Security testing |  | 2 | 07/15/2022 |

1. **APPROVALS:**

|  | Project Manager | QA Lead |
| --- | --- | --- |
| Name | Sergey Efremov |  |
| Signature |  |  |