**TEST PLAN**

**California Marketing**

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

***The User’s Personal Account Address Menu functionality***

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**• 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 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 each of sub-tasks and entire project.

**• 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.

**• SUB-TASKS**

**3.1. WEBSITE MANUAL TEST**

Execute manual testing for the User’s Personal Account Address Menu 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:

• show all addresses and delete if are present;

• add a first new address with correct values;

• add a second new address with correct values and set up it as default;

• update second new address;

• delete second new address;

• Negative for the following options:

• add a new address with incorrect values;

• Ad-hoc for the following options:

• add a new address with informal values;

**Environment Support:**

- Laptop

- OS: Windows 10/ 64

- Browsers (latest versions): Google Chrome, Firefox Mozilla, Microsoft Edge

**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

Show all saved addresses and delete if are present

All present addresses are showing and removable

Google Chrome

All present addresses are showing and removable

PASS

Firefox Mozilla

All present addresses are showing and removable

PASS

Microsoft Edge

All present addresses are showing and removable

PASS

2

First New address with correct values is entered.

First New address is added in the list

Google Chrome

First New address is added in the list

PASS

Firefox Mozilla

First New address is added in the list

PASS

Microsoft Edge

First New address is added in the list

PASS

3

Second New address with correct values is entered and set up as default

Second New address is added and set as default

Google Chrome

Second New address is added and set as default

PASS

Firefox Mozilla

Second New address is added and set as default

PASS

Microsoft Edge

Second New address is added and set as default

PASS

4

Update second new address.

Second New address is updated

Google Chrome

Second New address is updated

PASS

Firefox Mozilla

Second New address is updated

PASS

Microsoft Edge

Second New address is updated

PASS

5

Delete second new address

Second New address is deleted

Google Chrome

Second New address is deleted

PASS

Firefox Mozilla

Second New address is deleted

PASS

Microsoft Edge

Second New address is deleted

PASS

NEGATIVE TESTS

6

Address with incorrect First Name is entered (numbers)

The message "Please enter first name" is appears. New address is not added in the list

Google Chrome

Address is added in the list

FAIL

Firefox Mozilla

Address is added in the list

FAIL

Microsoft Edge

Address is added in the list

FAIL

7

Address with incorrect First Name is entered (special characters)

The message "Please enter first name" is appears. New address is not added in the list

Google Chrome

Address is added in the list

FAIL

Firefox Mozilla

Address is added in the list

FAIL

Microsoft Edge

Address is added in the list

FAIL

8

Address with Incorrect First Name is entered (empty)

The message "Please enter first name" is appears. New address is not added in the list

Google Chrome

The message "Please enter first name" is appears. New address is not added in the list

PASS

Firefox Mozilla

The message "Please enter first name" is appears. New address is not added in the list

PASS

Microsoft Edge

The message "Please enter first name" is appears. New address is not added in the list

PASS

9

Address with informal First Name is entered (a lot of the same letter)

The message "Please enter first name" is appears. New address is not added in the list

Google Chrome

Address is added in the list

FAIL

Firefox Mozilla

Address is added in the list

FAIL

Microsoft Edge

Address is added in the list

FAIL

**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 executes to check functionality of User’s Personal Account Address Menu.

**Environment Support:**

- Laptop

- OS: Windows 10/ 64

- Browsers (latest versions): Google Chrome, Firefox Mozilla, Microsoft Edge

**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

Show all saved addresses and delete if are present

All present addresses are showing and removable

Google Chrome

All present addresses are showing and removable

PASS

Firefox Mozilla

All present addresses are showing and removable

PASS

Microsoft Edge

All present addresses are showing and removable

PASS

2

First New address with correct values is entered.

First New address is added in the list

Google Chrome

First New address is added in the list

PASS

Firefox Mozilla

First New address is added in the list

PASS

Microsoft Edge

First New address is added in the list

PASS

3

Second New address with correct values is entered and set up as default

Second New address is added and set as default

Google Chrome

Second New address is added and set as default

PASS

Firefox Mozilla

Second New address is added and set as default

PASS

Microsoft Edge

Second New address is added and set as default

PASS

4

Update second new address.

Second New address is updated

Google Chrome

Second New address is updated

PASS

Firefox Mozilla

Second New address is updated

PASS

Microsoft Edge

Second New address is updated

PASS

5

Delete second new address

Second New address is deleted

Google Chrome

Second New address is deleted

PASS

Firefox Mozilla

Second New address is deleted

PASS

Microsoft Edge

Second New address is deleted

PASS

NEGATIVE TESTS

6

Address with incorrect First Name is entered (numbers)

The message "Please enter first name" is appears. New address is not added in the list

Google Chrome

Address is added in the list

FAIL

Firefox Mozilla

Address is added in the list

FAIL

Microsoft Edge

Address is added in the list

FAIL

7

Address with incorrect First Name is entered (special characters)

The message "Please enter first name" is appears. New address is not added in the list

Google Chrome

Address is added in the list

FAIL

Firefox Mozilla

Address is added in the list

FAIL

Microsoft Edge

Address is added in the list

FAIL

8

Address with Incorrect First Name is entered (empty)

The message "Please enter first name" is appears. New address is not added in the list

Google Chrome

The message "Please enter first name" is appears. New address is not added in the list

PASS

Firefox Mozilla

The message "Please enter first name" is appears. New address is not added in the list

PASS

Microsoft Edge

The message "Please enter first name" is appears. New address is not added in the list

PASS

9

Address with informal First Name is entered (a lot of the same letter)

The message "Please enter first name" is appears. New address is not added in the list

Google Chrome

Address is added in the list

FAIL

Firefox Mozilla

Address is added in the list

FAIL

Microsoft Edge

Address is added in the list

FAIL

**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 platform “Browserstack”**

- OS: Windows 11

- Browsers (latest versions): Google Chrome, Microsoft Edge

**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)

Test results are the same as on local device.

**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

- OS: Windows 10/ 64

- Browsers (latest versions): Google Chrome (DevTools)

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

(There are main tests results in the table)

TC

Request / 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

GET / Show default address

Default address is showing

Status code is 200

Default address is showing

Status code is 200

PASS

5

PATCH / Modify new address info cells.

New address is modify

Status code is 200

New address is modify

Status code is 200

PASS

6

GET / Show modify address

Modify address is showing

Status code is 200

Modify address is showing

Status code is 200

PASS

7

DEL / Delete new address

New address is deleted

Status code is 200

New address is deleted

Status code is 200

PASS

8

DEL / Delete new address 2nd time

New address has already been removed

Status code is 400

New address has already been removed

Status code is 400

PASS

9

GET / Check 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

**NEGATIVE TESTS**

10

POST / Address with incorrect First Name is entered (numbers)

Address with Incorrect First Name is not added

Status code is 400

Address with Incorrect First Name is added

Status code is 200

FAIL

11

GET / Check entered address with incorrect First Name (numbers)

The address is not found

Status code is 404

The address is in the list

Status code is 200

FAIL

12

DEL / Delete entered address with incorrect First Name (numbers)

The address is not found

Status code is 404

The address is deleted

Status code is 200

FAIL

13

POST / Address with incorrect First Name is entered (special characters)

Address with Incorrect First Name is not added

Status code is 400

Address with Incorrect First Name is added

Status code is 200

FAIL

14

GET / Check entered address with incorrect First Name (special characters)

The address is not found

Status code is 404

The address is in the list

Status code is 200

FAIL

15

DEL / Delete entered address with incorrect First Name (special characters)

The address is not found

Status code is 404

The address is deleted

Status code is 200

FAIL

16

POST / Address with incorrect First Name is entered (empty)

Address with Incorrect First Name is not added

Status code is 400

Address with Incorrect First Name is added

Status code is 200

FAIL

17

GET / Check entered address with incorrect First Name (empty)

The address is not found

Status code is 404

The address is in the list

Status code is 200

FAIL

18

DEL / Delete entered address with incorrect First Name (empty)

The address is not found

Status code is 404

The address is deleted

Status code is 200

FAIL

19

POST / Address with informal First Name is entered (a lot of the same letters)

Address with informal First Name is not added

Status code is 400

Address with informal First Name is added

Status code is 200

FAIL

20

GET / Check entered address with informal First Name (a lot of the same letters)

The address is not found

Status code is 404

The address is in the list

Status code is 200

FAIL

21

DEL / Delete entered address with informal First Name (a lot of the same letters)

The address is not found

Status code is 404

The address is deleted

Status code is 200

FAIL

**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 PPERFORMANCE 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 generate.

**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 generate.

**Testing Tools used:**

**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

**• TESTS SCHEDULE AND ESTIMATED TIME**

**Sub-Task Name**

**Start**

**Est. time (hours)**

**Finish**

Manual Testing

11.22.2023

1

Automation Testing

16

API Testing

20

Performance testing

4

Security testing

2

11.26.2023

**Test Execution**

QA - Dameli Mussylmankul

Test phase -

Status -

APPROVALS:

Project Manager

QA Lead

Signature