

Test Plan “California Marketing”

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

9/16/22

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The User’s Personal Account Address Menu functionality

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1. INTRODUCTION

The Test Plan has been created to facilitate communication among 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, and what devices, environments, and tools to be used. It includes test cases with expected and actual results, scheduling and executing estimated time for each of the sub-tasks, and the entire project.

2. SCOPE

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

3. 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, and GUI guideline violations.

Exploratory Testing:

Exploratory testing will include 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 11

- 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	Expexted Results	Browsers	Actual Results	Pass/Fail	

2	First New address with correct values are 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
TC	Test Action	Expexted Results	Browsers	Actual Results	Pass/Fail
NEGATIVE TESTS					

6	Address with incorrect First Name is entered (numbers)	The message "Please enter a first name" appears. New address is not added to the list	Google Chrome	Address is added to the list	FAIL
			Firefox Mozilla	Address is added to the list	FAIL
			Microsoft Edge	Address is added to the list	FAIL
7	Address with incorrect First Name is entered (special characters)	The message "Please enter a first name" it appears. New address is not added to the list	Google Chrome	Address is added to the list	FAIL

			Firefox Mozilla	Address is added to the list	FAIL
			Microsoft Edge	Address is added to the list	FAIL
8	Address with Incorrect First Name is entered (empty)	The message "Please enter a first name" it appears. A new address is not added to the list	Google Chrome	The message "Please enter a first name" appears. New address is not added to the list	FAIL
			Firefox Mozilla	The message "Please enter a first name" appears. New address is not added to the list	FAIL

- 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 the 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 the website.

Environment Support:

- Laptop

- OS: Windows 11

- 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.	The new address is modified Status code is 200	New address is modified Status code is 200	PASS
6	GET / Show modified 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

TC	Request / Test Action	Expected Results	Actual Results	Pass/ Fail
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	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
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 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 in software and website. Testing focuses on whether the application is designed and configured correctly.

Tests execute in incognito environments.

After testing reports were generated.

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

4. TESTS SCHEDULE AND ESTIMATED TIME

Sub-Task Name	Start	Est. time (hours)	Finish
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Manual Testing	9/16/22	1	
Automation Testing		16	
API Testing		20	
Performance testing		4	
Security testing		2	9/23/22

Test Execution

QA : Valentyna Sheludko

Test phase :

Status :

5. APPROVALS:

	Project Manager	QA Lead
Name	<u>Sergey Efremov</u>	
Signature		

