Project “CALIFORNIA MARKETING”

Test Plan

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Table of Contents

1. INTRODUCTION

Customers want a perfect website, which has passed the full cycle of manual testing. Given the specificity of the site it is very important to have the same quality and the Site. The Test Plan has been created to facilitate communication within the team members. This document describes approaches and methodologies that will apply for functional end-to-end process form Log In to buy products on the web site https://qasvus.wixsite.com/ca-marketing. The Test Plan includes sub-tasks for each of the tests, types of testing, environments and tools to be used. It includes test cases with expected and actual results.

2. **Scope**:

The document mainly targets the GUI testing, Automation and Manual testing such as Negative and Positive, Equivalence Partitioning of User’s Account, Performance and Security testing of the website.

1. **GUI**
2. **Unit Testing**
3. **Functional Testing include Positive and Negative**
4. **Manual Testing**
5. **Automation Testing**
6. **API Testing**
7. **Performance Automation Testing**
8. **Security Automation Testing**

3. Sub-Tasks

3.1 Manual Testing

QA will be preparing test cases based on the exploratory testing, there will be 10 test cases, 5 negative and 5 positive

Purpose:

Perform manual testing From creating a User's Personal Account to purchasing a product based on the following types of testing:

- GUI

- Exploratory testing
- Positive Testing
- Negative Testing

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

☐ Positive Test Cases

- Functional Testing of button “Sign Up”
- Verify that use is able to create new address
- Adding “Product 1” to cart
- Verify Functional of “Videos Meatball menu”
- Verify functional of “Event 3” on registration

☐ Negative Test Cases

- Check System behavior when enter existing Email and valid Password for “Sign up”
- Check System behavior when enter invalid Email and valid Password for “Log In”
- Verify “Subscribe form” on invalid Email
- Verify that user cannot enter 0 value in the quantity
- Verify that user cannot create incorrect “First Name” with number

Environments Support:

OS: Windows 11/64

Browser: Google Chrome, Firefox Mozilla, Microsoft Edge (Last versions)

Test Cases

Positive

1. Functional Testing of button “Sign Up”

Test Data	Test Steps	Expected result	Actual Result	Pass/Fail
https://qasvus.wixsite.com/ca-marketing	➢ Enter the link (test data)	User must create an account	User Created an account	pass
	➢ Find “Log In” button in the header on the right side			
	➢ Choose “Log In” button			
	➢ Find button “Sign up” in the middle of the page and click on it			
Email: user12345@gmail.com	➢ Enter in Email (Test Data)			
Password: User12345	➢ Enter in password (Test Data)			

2. Verify that use is able to create new address

Test Data	Test Steps	Expected Result	Actual Result	Pass/Fail
https://qasvus.wixsite.com/ca-marketing	➢ Open Website use (Test Data)	Address must be created	Address Created	Pass
	➢Find Dropdown menu in the header on the right side			
	➢Click on “Dropdown menu”			
	➢Choose “My Address”			
	➢Find button “Add New Address” and click on it			
	➢ Enter Valid Data and click on “Add Address”			

3. Verify that User able to Add “Product 1” to cart

Test Data	Test Steps	Expected Result	Actual Result	Pass/Fail
https://qasvus.wixsite.com/ca-marketing	➢ Open Website use (Test Data)	User must place an order	We can't accept online orders right now	Fail
	➢ Scroll down till the product section			
	➢ Find “Product 3” and click on it			
	➢ Scroll down on description of the product			
	➢ Choose Color and Quantity			
	➢ Click on “Add To Cart” button			
	➢ Find Frame on the right side and click “View Cart” button			
	➢ FInal step click on button “Checkout”			

4. Verify Functional of Video “Meatball menu”

Test Data	Test Steps	Expected Result	Actual Result	Pass/Fail
https://qasvus.wixsite.com/ca-marketing	➢ Open Website use (Test Data)	Function of “Meatball menu” works	Meatball menu works and arrow buttons work as well	Pass
	➢ Scroll down till the “Main video”			
	➢ Find “Arrow button” on the right side and click 6 time till the end			
	➢ Verify “Arrow Button” disappeared on the right side			
	➢ Go back, Click 6 time on the “Left Arrow”			
	➢ Verify “Arrow Button” disappeared on the left side			

5. Verify functional of “Event 3” on registration

Test Data	Test Steps	Expected Result	Actual Result	Pass/Fail
https://qasvus.wixsite.com/ca-marketing	➢Open Website use (Test Data)	Email with the event's details was sent to you	Email with the event's details was sent to you	Pass
First Name “User”	➢ Scroll down on Upcoming Events			
Last Name “Barr”	➢ FInd “Event 3” and click on “RSVP” red button			
Email user12345@gmail.com	➢ Click again on “RSVP” Red button in the middle			
	➢ FIll out valid Data use (Test Data)			

Test Cases

Negative

1. Check System behavior when enter existing Email and valid Password for “Sign up”

Test Data	Test Steps	Expected Result	Actual Result	Pass/Fail
https://qasvus.wixsite.com/ca-marketing	➢ Open Website use (Test Data)	An account with this email already exists.	An account with this email already exists.	Pass
	➢ Find the button “Log in” in the header on the right side and click on it			
	➢ Find Button “Sign up with Email” and click on it			
Email: user12345@gmail.com	➢ Enter existing “Email” use (Test Data)			
Password User12345	➢ Enter valid password use (Test Data)			
	➢ Click on “Sign up” button			

2. Check System behavior when enter invalid Email and valid Password for “Log In”

Test Data	Test Steps	Expected Result	Actual Result	Pass/Fail
https://qasvus.wixsite.com/ca-marketing	➢ Open Website use (Test Data)	Wrong Email, Try again	Wrong email or password	Fail
	➢ Find the button “Log in” in the header on the right side and click on it			
	➢ Find Button “ Log in with Email” and click on it			
Email: 11111@gmail.com	➢ Enter Invalid “Email” use (Test Data)			
Password: User12345	➢ Enter valid “Password” use (Test Data)			

3. Verify “Subscribe form” on invalid Email

Test Data	Test Steps	Expected Result	Actual Result	Pass/Fail
https://qasvus.wixsite.com/ca-marketing	➢ Open Website use (Test Data)	Invalid Email address which contains only numbers	Thanks for submitting!	Fail
	➢ Scroll down to the footer			
	➢ FInd “Subscribe Form”			
	➢ Click on placeholder “Email address”			
12345@gmail.com	➢ Fill out with invalid Email use (Test Data)			

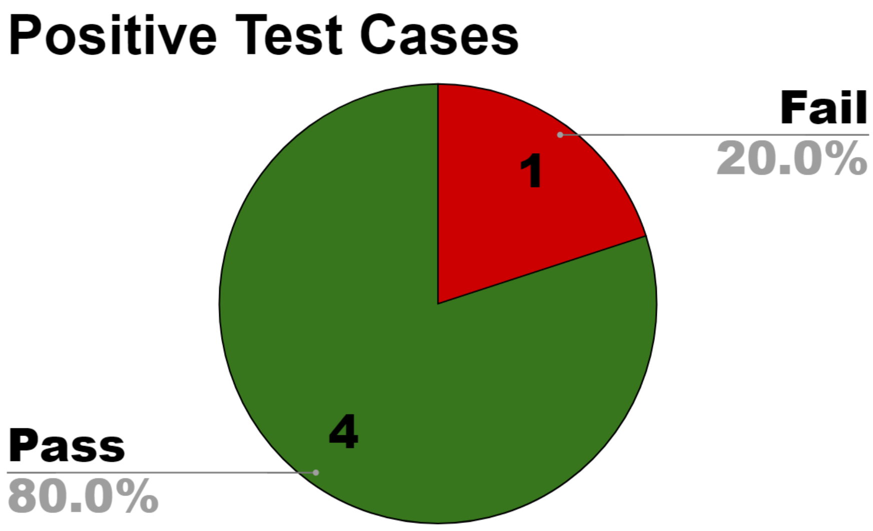
4. Verify that user cannot enter “1888888” value in the quantity for product 1

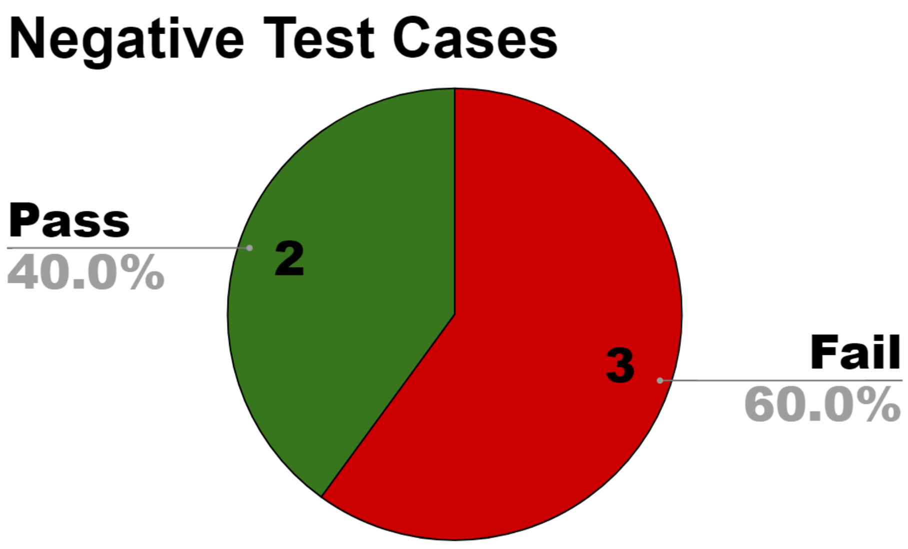
Test Data	Test Steps	Expected Result	Actual Result	Pass/Fail
https://qasvus.wixsite.com/ca-marketing	➢ Open Website use (Test Data)	Only 99999 left in stock	Only 99999 left in stock	Pass
	➢ Find “Shop” button in the header on the left side			
	➢ Click on “Shop” button			
	➢ FInd “Product 1” in the product category click on it			

1888888	➢ Scroll down on description of Product 1 choose color and choose “1888888” Quantity			
	➢ Click on button “Add to Cart”			

5. Verify that user cannot create Address with incorrect “First Name” with numbers

Test Data	Test Steps	Expected Result	Actual Result	Pass/Fail
https://qasvus.wixsite.com/ca-marketing	➢ Open Website use (Test Data)	User got error that invalid First Name	User Created account with numbers for “First Name”	Fail
	➢ Find Dropdown menu in the header on the right side			
	➢Click on “Dropdown menu”			
	➢Choose “My Address”			
	➢Find button “Add New Address” and click on it			
“First Name” 123445	➢ Fill out Data and use numbers for “First Name” (Test Data)			
	➢ Click on “Add Address” button			





3.2 AUTOMATION TESTING

The following test cases are covers automation tests:

Testing Tool is used:

PyCharm as IDE and Python as a main language for Selenium WebDriver
BrowserStack to run tests in various environments
Unittest Framework for testing independently of each other and for cross-browser testing
Allure and HTML Reports
Selenium IDE
Page Object Model

Environments Support:

PC:

OS: Windows 11/64

Browser: Google Chrome, Firefox Mozilla, Microsoft Edge (Last versions)

Positive Test Cases				
TC	BR	Expected Result	Actual Result	Pass/Fail
1	Functional Testing of button “Sign Up”	User must create an account	User Created an account	PASS
2	Verify that use is able to create new address	Address must be created	Address Created	PASS
3	Adding “Product 1” to cart	User must place an order	We can't accept online orders right now	Fail
4	Verify Functional of “Videos Meatball menu”	Function of “Meatball menu” works	Meatball menu works and arrow buttons work as well	Pass
5	Verify functional of “Event 3” on registration	An email with the event's details was sent to you	An email with the event's details was sent to you	Pass
Negative Test Cases				
TC	BR	Expected Result	Actual Result	Pass/Fail
1	Check System behavior when enter existing Email and valid Password for “Sign up”	An account with this email already exists.	An account with this email already exists.	Pass
2	Check System behavior when enter invalid Email and valid Password for “Log In”	Wrong Email, Try again	Wrong email or password	Fail
3	Verify “Subscribe form” on invalid Email	Invalid Email address which contains only numbers	Thanks for submitting!	Fail
4	Verify that user cannot enter 0 value in the quantity	Enter a minimum amount of 1	Enter a minimum amount of 1	Pass
5	Verify that user cannot create incorrect “First Name” with number	User got error that invalid First Name	User Created account with numbers for “First Name”	Fail

3.3 API Testing:

API tests are performed to determine if the developed APIs meet the expectations when it comes to the functionality, performance, reliability and security of the website.

Environment Support:

PC:

OS: Windows 11/64

Browser: Google Chrome(Dev Tools), Postman Interceptor.

Tools:

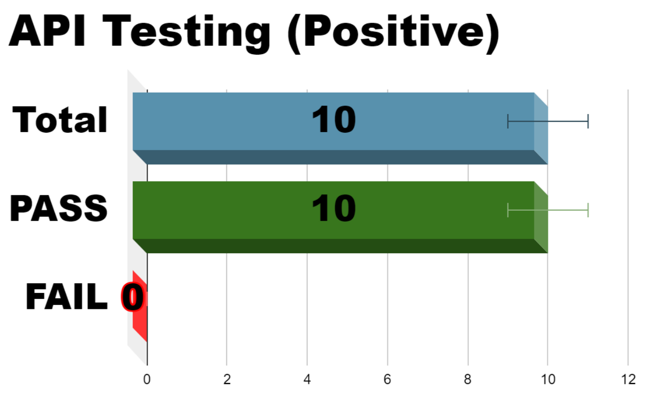
Swagger
Postman Automation Runner
Postman Automation Monitor
Postman Newman
CSV-Data Collection
Postman Dynamic variables “Faker Library”

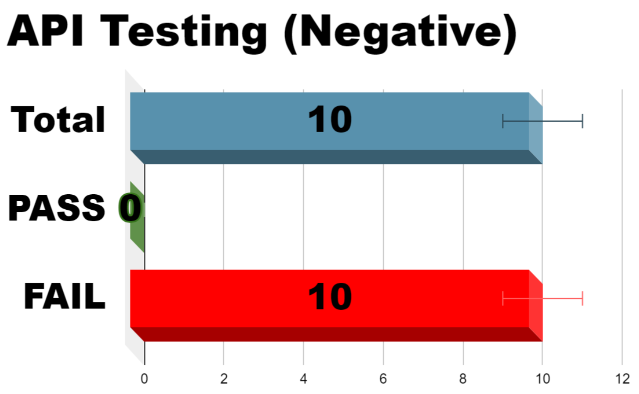
Positive Test Cases

Steps	Request / Action	Expected Result	Actual Result	Pass / Fail
1	Post / Create New Post Address	New Address is added Status code 201 or 200 Size less than 2KB Time less than 1 sec Header is present	New Address is added Status code is 200 Size is 1.12KB Time is 223 ms Header is correct	PASS
2	Post / Make default Address	New Address is set by default Status code 201 or 200 Size less than 2KB Time less than 1 sec Header is present and correct	New Address added by default Status code is 200 Size is 1012B Time is 92 ms Header is present and correct	PASS
3	Get / Show all Addresses	Show all Addresses Status code is 200 Size less than 10KB Time less than 1 sec New Address is present Header is present and correct	All Address are Shown Status code is 200 Size is 3.06KB Time is 221 ms New Address is present Header is present and correct	PASS
4	Get / Show Specific Address	Show Specific Address Status code is 200 Size less than 2KB Time less than 1 sec Specific Address is present Header is present and correct Body has to be correct format TYPE OF	Showed a specific address Status code is 200 Size is 1.31KB Time is 202 ms Specific Address is present Header is present and correct Body is correct format TYPE OF	PASS
5	Patch / Update Existing Address	Update Existing Address Status code is 200 Size less than 2KB Time less than 1 sec Specific Address is Updated Header is present and correct	Address is Updated Status code is 200 Size is 1.48KB Time is 286 ms Specific Address is Updated Header is present and correct	PASS
6	Get / Get Specific Updated Address	Show Updated Address Status code is 200 Size less than 2KB Time less than 1 sec New Data is present and correct Body has to be correct format TYPE OF	Updated Address is correct Status code is 200 Size is 1.31KB Time is 206ms New Data is updated Body is correct	PASS
7	Delete / Delete Postal Address	Delete Address Status code is 200 Size less than 2KB Time less than 1 sec	Address is Deleted Status code is 200 Size is 1.16KB Time is 288ms	PASS

		Header is present and correct Address has to be deleted	Header is present and correct Address Deleted	
8	Delete / Delete 2nd time	Delete 2nd time Status code is 400 Size less than 2KB Time less than 1 sec Message: “Cant_find_address_by_id”	Address can’t be deleted Status code is 400 Size is 819B Time is 172ms Message is present	PASS
9	Get / Show Deleted Specific Updated Address	Show Deleted address Status code is 400 Size less than 2KB Time less than 1 sec Message: “Cant_find_address_by_id”	Cannot Show Deleted Address Status code is 400 Size is 878B Time is 194ms Message is present	PASS
10	Post / Make Deleted Address by default	Make Deleted Address by default Status code is 400 Size less than 2KB Time less than 1 sec Message: “Cant_find_address_by_id”	Cannot Make Deleted Address by default Status code is 400 Size is 878B Time is 194ms Message is present	PASS
		Negative Test Cases		
Steps	Request / Action	Expected Result	Actual Result	Pass / Fail
1	Post / Create Address with empty line for “ First Name”	The Address is not created Error “Bad input” Status Code is 400	The address was created Status code is 200	FAIL
2	Get / Check Created Address with empty line for “First Name”	The Address is not found Status code is 404	The address was found NO Errors Status code is 200 Time is present Size is present	FAIL
3	Delete / Delete Created Address with empty line for (First Name)	The Address is not found Status is 404	The Address was deleted Status code is 200 Time is present Size is present	FAIL
4	Post / Create Address with Integer for “First Name”	The Address is not created Error “Bad input” Status Code is 400	The address was created NO Errors Status code is 200 Time is present Size is present	FAIL
5	Get / Check if Address is Created with Integer for “First Name”	The Address is not found Status code is 404	The address was found NO Errors Status code is 200 Time is present Size is present	FAIL
6	Delete / Delete Created Address with Integer for (First Name)	The Address is not found Status is 404	The Address was deleted Status code is 200 TIme is present Size is present	FAIL
7	Post / Create Address with Equivalence Partitioning testing For “First Name” Test data : “@#<”	The Address is not created Error “Bad input” Status Code is 400	The address was created NO Errors Status code is 200 Time is present Size is present	FAIL
8	Get / Check if Address is Created with Equivalence Partitioning testing for “First Name”	The Address is not found Status code is 404	The address was found NO Errors Status code is 200 Time is present	FAIL

			Size is present	
9	Delete / Delete Created Address	The Address is not found Status is 404	The Address was deleted Status code is 200 TIme is present Size is present	FAIL


API Testing (Positive)


API Testing (Negative)

3.4 WEBSITE AUTOMATION PERFORMANCE TEST

- Check the optimal time the page is loaded
- Check the operation of the system under load

Tools	Reports
Lighthouse	PDF
GTMetrix	Report with link
WebPageTest	
BrowserStack	

3.5 WEBSITE AUTOMATION SECURITY TESTING

Website Automation Security must show us Resual as “A” or “A+” or Score above than 80%

Tools	Reports
Observatory	URL
Snyk	PDF