**Project “CALIFORNIA MARKETING”**

**Test Plan**

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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.

1. **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)** |  |  |  |

1. **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”** |  |  |  |

1. **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”** |  |  |  |

1. **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** |  |  |  |

1. **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** |  |  |  |

1. **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: user1234@gmail.com** | **➤ Enter Invalid “Email” use (Test Data)** |  |  |  |
| **Password: User12345** | **➤ Enter valid “Password” use (Test Data)** |  |  |  |
|  |  |  |  |  |

1. **Verify “Subscribe form” on invalid Email**

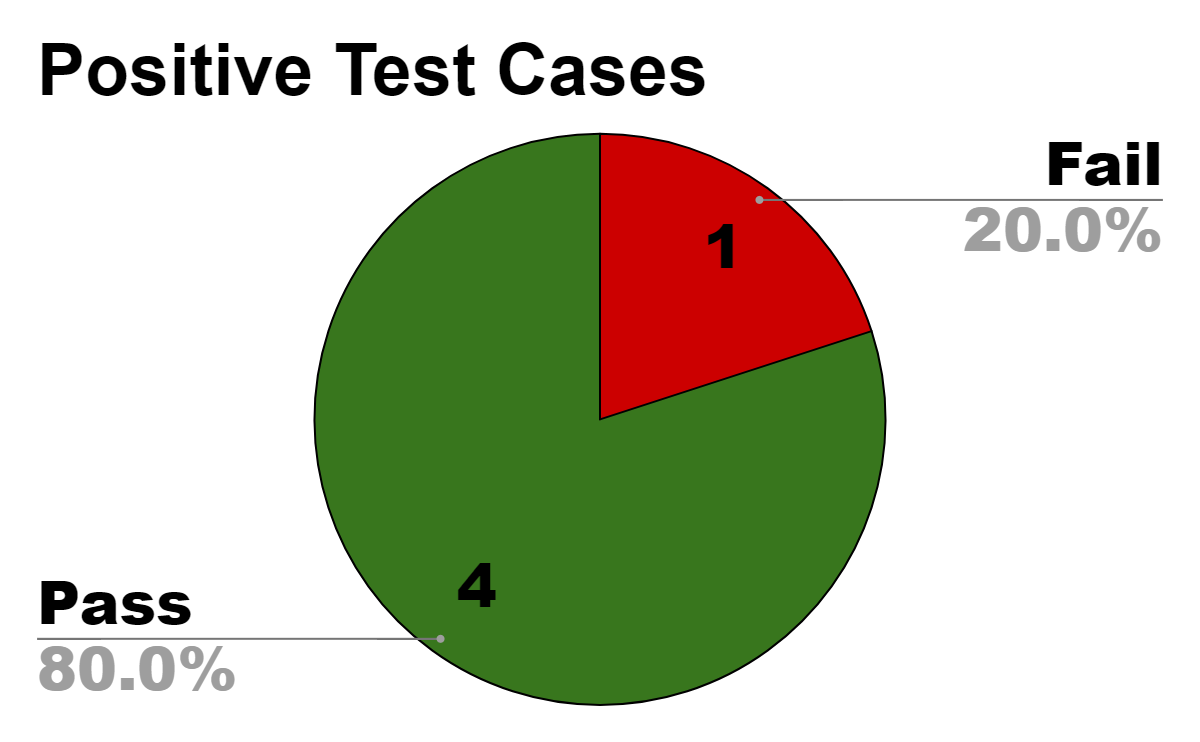
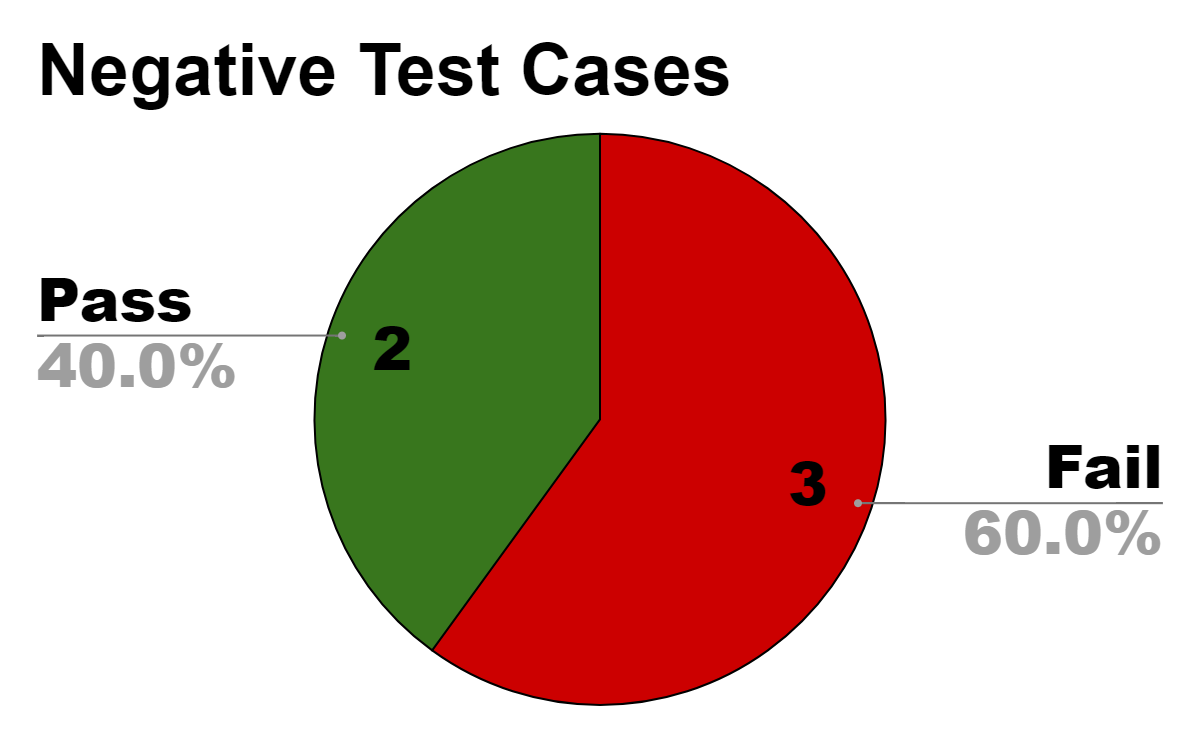
| **Test Data** | **Test Steps** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| --- | --- | --- | --- | --- |
| **https://qasvus.wixsite.com/ca-marketing** | **➤ Open Website use (Test Data)** | **Invalid Email address which contains only numbers** | Thanks for submitting! | **Fail** |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

1. **Verify that user cannot enter “0” value in the quantity**

| **Test Data** | **Test Steps** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| --- | --- | --- | --- | --- |
| **https://qasvus.wixsite.com/ca-marketing** | **➤ Open Website use (Test Data)** | **Enter a minimum amount of 1** | **Enter a minimum amount of 1** | **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** |  |  |  |
|  | **➤ Scroll down on description of Product 1 choose color and choose “0 Quantity”** |  |  |  |
|  | **➤ Click on button “Add to Cart”** |  |  |  |

1. **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** |  |  |  |

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**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:**

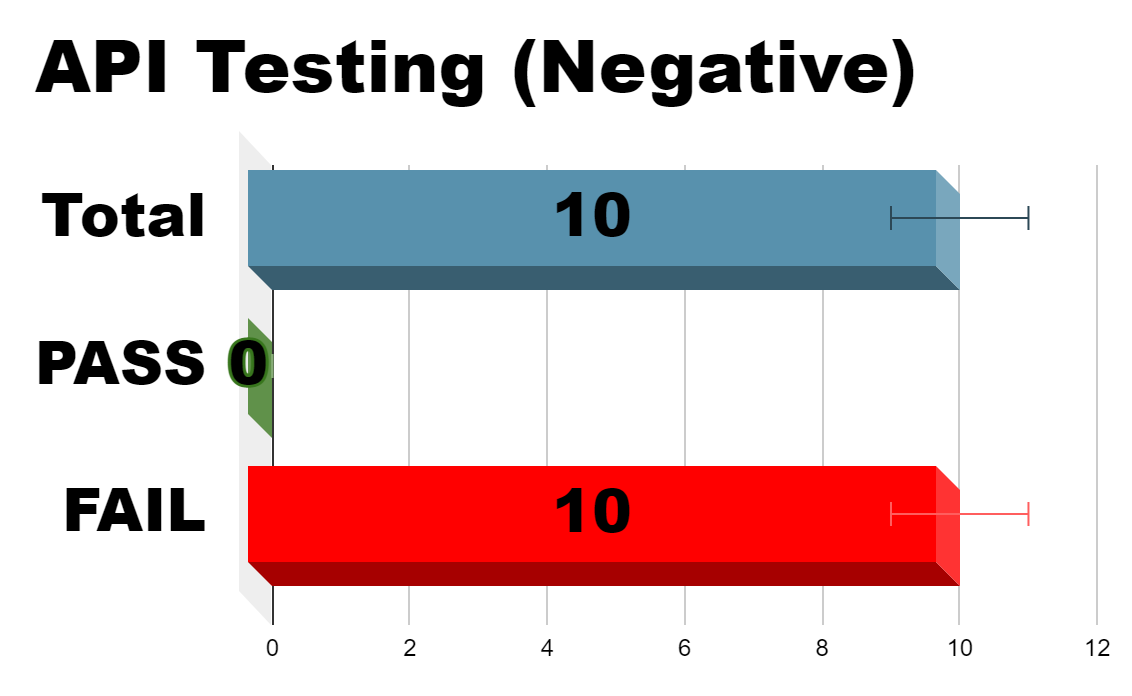
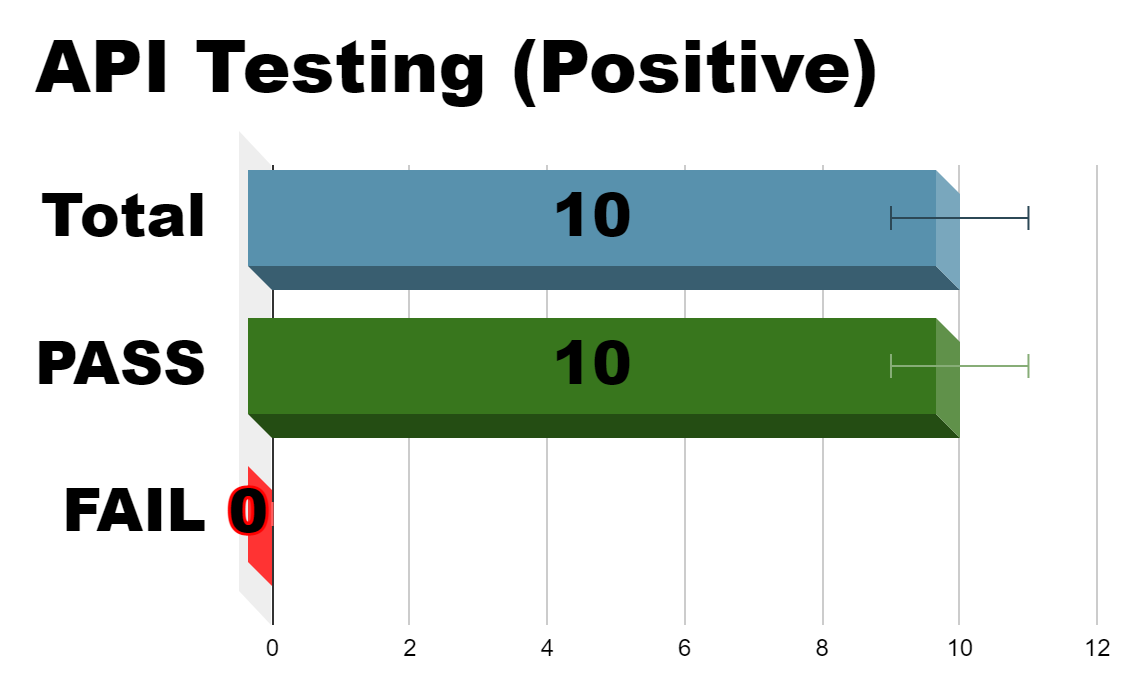
PC:  
OS: Windows 11/64

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**  **Header is present and correct**  **Address has to be deleted** | **Address is Deleted   Status code is 200**  **Size is 1.16KB**  **Time is 288ms**  **Header is present and correct**  **Address Deleted** | **PASS** |
| **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  Size is present** | **FAIL** |
| **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** |

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**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 |