**Test Plan**

**Test Case #1 – Place a new phone order (Positive)**

**Reason for Choosing This Test:**

This Sanity Test (End-to-End Scenario) to verify the basic functionality of order placement is to ensure that the core functionality of the website works as expected

**Pre-condition:**

The web site is up and running.

There are no products on Cart.

There are products in the system.

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| Steps | Expected |
| 1. Open https://www.demoblaze.com/index.html in a web browser and Click on the **Home** button. | The **Home** page is displayed. |
| 1. Click on the **Phones** button. | The **Phones** page with list of products is displayed. |
| 1. Click on the name of selected Phone from the list. | Selected product with his details is displayed. |
| 1. Click on the **Add to Cart** button. | A confirmationpopup should appear |
| 1. Click **Ok** button in the popup. | Popup disappears. |
| 1. Navigate to **Cart** page. | The cart page displays the **correct product name, image, price, and any other relevant details** exactly as shown on the product page.  The total price in the cart matches the product price. |
| 1. Click on the **Place Order.** | The Place Order form is displayed. |
| 1. Fill all fields correctly and click on **Purchase** button and **OK** button**.** | A confirmationpopup should appear with order correct details.  The Ordered created successfully. |
| 1. Go Back to **Cart** page. | No products are displayed in the cart. |

**Test Case #2** – **Login with registered Username and Password with different browsers** **(Positive)**

**Reason for Choosing This Test:**  
This test ensures that users can successfully log in with a registered username and password across different web browsers. It validates that the authentication system functions consistently regardless of the browser environment, ensuring cross-browser compatibility.

**Pre-condition:**

The web site is up and running.

User has already signed up and has a valid username and password.

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| Steps | Expected |
| 1. Open https://www.demoblaze.com/index.html in a web browser(chrome) and Click on the **Log in** button. | The **Log in** page is displayed. |
| 1. Fill **Username** and **Password** fields with registered username and password.   Click **Log in** button. | 1. The user logged insuccessfully. 2. the **Log in** button should change to **Log out** 3. The **Sign in** button should change to **"Welcome " + USERNAME**. 4. Error message is **not** displayed. |
| 1. Repeat 1-2 steps with different browsers. | 1-2 |

**Test Case #3 – Validate Contact Email is not empty in Contact form (Negative)**

**Reason for Choosing This Test:**

This test is crucial to ensure that the Contact Email field in the contact form is validated correctly, preventing users from submitting the form without providing a valid email address. Allowing an empty email field could result in communication issues, as the website would be unable to respond to user inquiries.

**Pre-condition:**

The web site is up and running.

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| Steps | Expected |
| 1. Open https://www.demoblaze.com/index.html in a web browser and Click on the **Home** button. | The **Home** page is displayed. |
| 1. Click on the **Contact** button. | The **Contact** form is displayed. |
| 1. Do not fill in the **Contact Email** field. | **Contact Email** field is empty. |
| 1. Click on **Send message** button. | The **Send message** button should not be  Clickable and enabled. |

Improvements:

1. The **Contact Email** field should be highlighted or marked as mandatory.

**Test Case #4 – Sign up rejects malicious script in username (Negative)**

**Reason for Choosing This Test:**

This test is to prevent security vulnerabilities that can be exploited by malicious users.

The system contains highly sensitive customer information that could fall into the wrong hands and be misused. Therefore, it is essential to reject malicious scripts in the username field to prevent potential data breaches or cyberattacks that could compromise the security and privacy of users. Protecting this sensitive data ensures that it cannot be exploited for malicious purposes and helps maintain customer trust in the system.

**Pre-condition:**

The web site is up and running.

The user doesn’t exist in the system.

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| Steps | Expected |
| 1. Open https://www.demoblaze.com/index.html in a web browser and Click on the **Sign up** button. | The **Sign up** page is displayed. |
| 1. Fill in **Username** field malicious script. |  |
| 1. Fill in **Password** field with password. | Fill in the **Password** field with a valid password. |
| 1. Click **Sign up** button. | The user is **not** successfully registered.  Error message is displayed. |

**Test Case #5 – Place Order without products in the Cart (Negative)**

**Reason for Choosing This Test:**

This test ensures that the system prevents users from placing an order when there are no products in the cart. Allowing users to proceed with an order in an empty cart would lead to a poor user experience and potentially wasted time. It is essential to have proper validation in place to make sure that users cannot complete a transaction without selecting items for purchase.

Pre-condition:

The web site is up and running.

There are no products on Cart.

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| Steps | Expected |
| 1. Open https://www.demoblaze.com/index.html in a web browser and Click on the **Cart** button. | The Cart page is displayed. |
| 1. Click on the **Place Order.** | The **Place Order** button should be disabled and not be clickable.  The **Place Order** button should not trigger any action if clicked. |

Improvements:

Should be message to the user inform him that there are no products in the cart.