Test Cases for E-commerce Demo Website

| Field | Description |
| --- | --- |
| **Test Case ID** | TC - 001 |
| **Test Description** | Verify the website's homepage loads within a reasonable time. |
| **Test Steps** | 1.Navigate to <https://bstackdemo.com/> and open the homepage in a browser.  2. Measure the loading time. |
| **Expected Result** | The homepage should load fully within 6 seconds or less. |
| **Actual Result** | The homepage loaded fully within 3 seconds. |
| **Status** | Pass |
| **Test Environment** | Browser : Google Chrome  OS : Windows 10 |

| Field | Description |
| --- | --- |
| **Test Case ID** | TC - 002 |
| **Test Description** | Ensure product filters (Lowest to Highest) and sorting (Highest to Lowest) work correctly. |
| **Pre-conditions** | Navigate to <https://bstackdemo.com/> and open the homepage in a browser. |
| **Test Steps** | 1. On the homepage, apply the "Lowest to Highest" filter.  2. Observe the product listing order.  3. Apply the "Highest to Lowest" sorting. |
| **Expected Result** | The product list should reflect the chosen filter and sorting options correctly. |
| **Actual Result** | The page reflects the chosen filter and sorting options correctly. |
| **Status** | Pass |
| **Test Environment** | Browser : Google Chrome  OS : Windows 10 |

| Field | Description |
| --- | --- |
| **Test Case ID** | TC - 003 |
| **Test Description** | Verify that essential buttons (e.g., Proceed to Cart, Remove from Cart) and hyperlinks (e.g., homepage, product links) work correctly across the site. |
| **Pre-conditions** | Navigate to <https://bstackdemo.com/> and open the homepage in a browser. |
| **Test Steps** | 1. Navigate to the homepage.  2. Add an item to the cart and proceed to checkout.  3. Verify the "Proceed to Cart" button works and navigates correctly.  4. Ensure the "Remove from Cart" button removes the item correctly and updates the cart.  5. Test hyperlinks for navigation (e.g., links to product items or homepage). |
| **Expected Result** | Buttons and hyperlinks should work without errors and trigger the correct actions (e.g., navigating to the cart, removing items from the cart). |
| **Actual Result** | All hyperlinks tested (e.g., homepage link, product detail links) work as expected, leading to the correct pages without any broken links or delays. |
| **Status** | Pass |
| **Test Environment** | Browser : Google Chrome  OS : Windows 10 |

| Field | Description |
| --- | --- |
| **Test Case ID** | TC - 004 |
| **Test Description** | Ensure that font styles (size, color, and family) are consistent across all pages and elements on the website. |
| **Pre-conditions** | Navigate to <https://bstackdemo.com/> and open the homepage in a browser. |
| **Test Steps** | 1. Navigate through various pages (Homepage, Product Page, Cart, and Checkout).  2. Observe the font used in headers, product descriptions, buttons, and links on each page.  3. Verify font consistency across different sections and elements of the page. |
| **Expected Result** | Fonts should have a consistent style and hierarchy across all pages. |
| **Actual Result** | The font family, size, and color remained consistent across all pages. |
| **Status** | Pass |
| **Test Environment** | Browser : Google Chrome  OS : Windows 10 |

| Field | Description |
| --- | --- |
| **Test Case ID** | TC - 005 |
| **Test Description** | Ensure that the navigation menu, header, and footer are consistently positioned across all pages on the website. |
| **Pre-conditions** | Navigate to <https://bstackdemo.com/> and open the homepage in a browser. |
| **Test Steps** | 1.Open the homepage and note the position of the navigation menu, header, and footer.  2.Navigate to other pages (Product Page, Cart, Checkout) and verify that the position and layout of the navigation menu, header, and footer are consistent across all pages.  3.Optionally, resize the browser or use different devices to ensure responsiveness. |
| **Expected Result** | The navigation menu, header, and footer should maintain the same positioning,layout and responsiveness across all pages. |
| **Actual Result** | The navigation menu, header, and footer were aligned consistently across the homepage, product pages, and cart. |
| **Status** | Pass |
| **Test Environment** | Browser : Google Chrome  OS : Windows 10 |

| Field | Description |
| --- | --- |
| **Test Case ID** | TC - 006 |
| **Test Description** | Verify that a registered user can log in successfully. |
| **Pre-conditions** | 1.Navigate to <https://bstackdemo.com/> and open the homepage in a browser.  2.The user must be registered with valid login credentials before attempting to log in. |
| **Test Steps** | 1. Navigate to the login page.  2. Enter valid username and password.  3. Click the "Login" button.  4. Verify that the user’s name or a "Logout" button is displayed to confirm successful login. |
| **Test Data** | Username: “demouser”  Password: “testingisfun99” |
| **Expected Result** | The user should be successfully logged in, redirected to the homepage,and the user’s profile name or a 'Logout' button should be visible. |
| **Actual Result** | The user successfully logged in, was redirected to the homepage, and the 'Logout' button appeared on the navigation bar. |
| **Status** | Pass |
| **Test Environment** | Browser : Google Chrome  OS : Windows 10 |

| Field | Description |
| --- | --- |
| **Test Case ID** | TC - 007 |
| **Test Description** | Ensure an error message is displayed for incorrect login credentials. |
| **Pre-conditions** | Navigate to <https://bstackdemo.com/> and open the homepage in a browser. |
| **Test Steps** | 1. Navigate to the login page.  2. Enter an invalid username and/or password.  3. Click the "Login" button. |
| **Expected Result** | An appropriate error message (e.g., "Invalid username or password") should be displayed, and the user should not be logged in. |
| **Actual Result** | An appropriate error message ("Invalid username") displayed, and the user cannot be logged in. |
| **Status** | Pass |
| **Test Environment** | Browser : Google Chrome  OS : Windows 10 |

| Field | Description |
| --- | --- |
| **Test Case ID** | TC - 008 |
| **Test Description** | Verify that adding items to the cart does not cause performance issues. |
| **Pre-conditions** | Navigate to <https://bstackdemo.com/> and open the homepage in a browser. |
| **Test Steps** | 1. Add 10 different items one by one within 30 seconds to the cart.  2. Observe if the cart and website continue to perform well without slowdowns. |
| **Expected Result** | The cart and website should perform smoothly without significant delays or freezes longer than 3 seconds. |
| **Actual Result** | The cart and website perform smoothly within 2 seconds. |
| **Status** | Pass |
| **Test Environment** | Browser : Google Chrome  OS : Windows 10 |

| Field | Description |
| --- | --- |
| **Test Case ID** | TC - 009 |
| **Test Description** | Verify responsiveness on different desktop screen resolutions. |
| **Pre-conditions** | Navigate to <https://bstackdemo.com/> and open the homepage in a browser. |
| **Test Steps** | 1. Test the website on different desktop resolutions (e.g., 1024x768, 1366x768, 1920x1080) (desktop, tablet, mobile).  2. Test navigation on each device.  3.Resize the browser window .  4. Observe how the layout and UI elements adjust. |
| **Expected Result** | The website should adapt seamlessly to different desktop screen sizes, maintaining the alignment and functionality of all UI elements. |
| **Actual Result** | The website's navigation is responsive and adapts seamlessly to different screen sizes without loss of functionality or ease of use. |
| **Status** | Pass |
| **Test Environment** | Browser : Google Chrome  OS : Windows 10 |

| Field | Description |
| --- | --- |
| **Test Case ID** | TC - 010 |
| **Test Description** | Verify that the website layout adapts properly to mobile screen size. |
| **Pre-conditions** | Navigate to <https://bstackdemo.com/> and open the homepage in a browser. |
| **Test Steps** | 1. Open the website on a mobile device (portrait and landscape mode).  2. Navigate through various pages (Homepage, Product Page, Cart, Checkout). |
| **Expected Result** | The layout should adjust to fit the mobile screen without horizontal scrolling or distorted content. Navigation, checkout should remain usable on smaller screens. |
| **Actual Result** | The layout adjusts to fit the mobile screen. All elements are usable and visible. |
| **Status** | Pass |
| **Test Environment** | Browser : Google Chrome  OS : Windows 10 |

| Field | Description |
| --- | --- |
| **Test Case ID** | TC - 011 |
| **Test Description** | Check the responsiveness of images and videos across devices. |
| **Pre-conditions** | Navigate to <https://bstackdemo.com/> and open the homepage in a browser. |
| **Test Steps** | 1. Open the website on various devices (mobile, tablet, desktop).  2. Verify that images and videos resize and maintain quality across different screen sizes. |
| **Expected Result** | Images and videos should resize proportionally without distortion or loss of quality across all devices. |
| **Actual Result** | Images and videos resize proportionally without distortion or loss of quality. |
| **Status** | Pass |
| **Test Environment** | Browser : Google Chrome  OS : Windows 10 |

| Field | Description |
| --- | --- |
| **Test Case ID** | TC - 012 |
| **Test Description** | Verify that a registered user can log out successfully. |
| **Pre-conditions** | Navigate to <https://bstackdemo.com/> and open the homepage in a browser. |
| **Test Steps** | 1. Log in as a registered user.  2. Navigate to the "Logout" option.  3. Click the "Logout" button. |
| **Expected Result** | The user should be logged out and redirected to the homepage. |
| **Actual Result** | The user is logged out and redirected to the homepage. |
| **Status** | Pass |
| **Test Environment** | Browser : Google Chrome  OS : Windows 10 |

| Field | Description |
| --- | --- |
| **Test Case ID** | TC - 013 |
| **Test Description** | Ensure a logged-out user cannot access restricted pages (e.g.,checkout) |
| **Pre-conditions** | 1.Navigate to <https://bstackdemo.com/> and open the homepage in a browser.  2.User should be logged out from the website, |
| **Test Steps** | 1. Attempt to access restricted pages such as the checkout page and shipping address page. |
| **Expected Result** | The user should be redirected to the login page when attempting to access restricted pages without logging in. |
| **Actual Result** | The user redirected to the login page when attempting to access restricted pages without logging in. |
| **Status** | Pass |
| **Test Environment** | Browser : Google Chrome  OS : Windows 10 |

| Field | Description |
| --- | --- |
| **Test Case ID** | TC - 014 |
| **Test Description** | Verify that the homepage displays products with correct details (name, price, image). |
| **Pre-conditions** | Navigate to <https://bstackdemo.com/> and open the homepage in a browser. |
| **Test Steps** | 1. Navigate to the homepage.  2. Check the displayed products for the correct name, price, and image. |
| **Expected Result** | Product details (name, price, image) should be displayed correctly for each product. |
| **Actual Result** | Product details (name, price, image) displayed correctly for each product. |
| **Status** | Pass |
| **Test Environment** | Browser : Google Chrome  OS : Windows 10 |

| Field | Description |
| --- | --- |
| **Test Case ID** | TC - 015 |
| **Test Description** | Confirm that users can add products to the favorites list. |
| **Pre-conditions** | Navigate to <https://bstackdemo.com/> and open the homepage in a browser. |
| **Test Steps** | 1. Navigate to the product detail page from the homepage.  2. Click the "Add to Favorites" button. |
| **Expected Result** | The product should be added to the user's favorite list, and a success message should be displayed. |
| **Actual Result** | The product is added to the user's favorite list, but no success message displayed. |
| **Status** | Pass |
| **Test Environment** | Browser : Google Chrome  OS : Windows 10 |

| Field | Description |
| --- | --- |
| **Test Case ID** | TC - 016 |
| **Test Description** | Test adding a product to the cart from the homepage. |
| **Pre-conditions** | Navigate to <https://bstackdemo.com/> and open the homepage in a browser. |
| **Test Steps** | 1. On the homepage, click the "Add to Cart" button for any product.  2. Verify if the product is added to the cart. |
| **Expected Result** | The product should be successfully added to the cart, and the cart icon should reflect the updated count. |
| **Actual Result** | The product successfully added to the cart, and the cart icon reflects the updated count. |
| **Status** | Pass |
| **Test Environment** | Browser : Google Chrome  OS : Windows 10 |

| Field | Description |
| --- | --- |
| **Test Case ID** | TC - 017 |
| **Test Description** | Ensure that products can be removed from the cart. |
| **Pre-conditions** | Navigate to <https://bstackdemo.com/> and open the homepage in a browser. |
| **Test Steps** | 1. Add products to the cart.  2. Navigate to the cart page.  3. Remove a product from the cart. |
| **Expected Result** | The product should be successfully removed from the cart, and the total amount should be updated accordingly. |
| **Actual Result** | The quantity of the product successfully removed, and the cart total amount updated accordingly to the new quantity. |
| **Status** | Pass |
| **Test Environment** | Browser : Google Chrome  OS : Windows 10 |

| Field | Description |
| --- | --- |
| **Test Case ID** | TC - 018 |
| **Test Description** | Test the ability to update the quantity of products in the cart. |
| **Pre-conditions** | Navigate to <https://bstackdemo.com/> and open the homepage in a browser. |
| **Test Steps** | 1. Add a product to the cart.  2. Navigate to the cart page.  3. Update the quantity of the product.  4. Click on the “+” sign below the price of the product. |
| **Expected Result** | The quantity of the product should be updated, and the cart total amount should be updated accordingly. |
| **Actual Result** | The quantity of the product updated, and the cart total amount updated accordingly to the new quantity. |
| **Status** | Pass |
| **Test Environment** | Browser : Google Chrome  OS : Windows 10 |

| Field | Description |
| --- | --- |
| **Test Case ID** | TC - 019 |
| **Test Description** | Validate that users can enter and submit customer information (e.g., shipping address). |
| **Pre-conditions** | 1.Navigate to <https://bstackdemo.com/> and open the homepage in a browser.  2. Add items to the cart.  3. Click the checkout button. |
| **Test Steps** | 1. Proceed to the checkout page.  2. Enter shipping details (name, address,state and postal code).  3. Click the "Submit" button. |
| **Expected Result** | The user should be redirected to a confirmation page on screen that the order is successfully placed with the order number. |
| **Actual Result** | The user is redirected to a confirmation page on screen and receives a confirmation message on screen that “Your Order has been successfully placed” and “Your order number is 23”. |
| **Status** | Pass |
| **Test Environment** | Browser : Google Chrome  OS : Windows 10 |

| Field | Description |
| --- | --- |
| **Test Case ID** | TC - 020 |
| **Test Description** | Verify that users can get a confirmation message on screen with the order number and a hyperlink to download order receipt with proper alignment. |
| **Pre-conditions** | 1.Navigate to <https://bstackdemo.com/> and open the homepage in a browser.  2. Add items to the cart.  3. Click the checkout button. |
| **Test Steps** | 1.After entering shipping details (name, address,state and postal code).  2. Click the "Submit" button.  3. Observe the redirection of the confirmation page. |
| **Expected Result** | The user should get a confirmation message on screen that the order is successfully placed with the order number and hyperlink to download. |
| **Actual Result** | The user receives a confirmation message on screen that “Your Order has been successfully placed” with the order number “Your order number is 23” and a hyperlink to download the order receipt. |
| **Status** | Pass |
| **Test Environment** | Browser : Google Chrome  OS : Windows 10 |

| Field | Description |
| --- | --- |
| **Test Case ID** | TC - 021 |
| **Test Description** | Ensure that the order is confirmed and the user can download an order receipt. |
| **Pre-conditions** | 1.Navigate to <https://bstackdemo.com/> and open the homepage in a browser.  2. Add items to the cart.  3. Click the checkout button. |
| **Test Steps** | 1. Complete the checkout process.  2. After the payment is successful, check for an order confirmation message.  3. Click the hyperlink to download the order receipt. |
| **Expected Result** | The order should be confirmed, and the user should be able to download the receipt without issues. |
| **Actual Result** | The hyperlink is working so the user can download an order receipt. |
| **Status** | Pass |
| **Test Environment** | Browser : Google Chrome  OS : Windows 10 |

| Field | Description |
| --- | --- |
| **Test Case ID** | TC - 022 |
| **Test Description** | Verify the ability to smoothly navigate between homepage and cart. |
| **Pre-conditions** | Navigate to <https://bstackdemo.com/> and open the homepage in a browser. |
| **Test Steps** | 1. Start on the homepage.  2. Click on a product to view its details.  3. Navigate to the cart from the product page.  4. Return to the homepage using the back button or navigation link. |
| **Expected Result** | Pages transition smoothly, and the navigation process feels intuitive. The user does not get lost or confused. |
| **Actual Result** | Pages transition smoothly, and the navigation process feels intuitive. |
| **Status** | Pass |
| **Test Environment** | Browser : Google Chrome  OS : Windows 10 |

| Field | Description |
| --- | --- |
| **Test Case ID** | TC - 023 |
| **Test Description** | Verify that the product vendors' filters (Google, OnePlus, Samsung, Apple) work correctly and display sorted results. |
| **Pre-conditions** | Navigate to <https://bstackdemo.com/> and open the homepage in a browser. |
| **Test Steps** | 1. Navigate to the homepage.  2. Apply the "Samsung" vendor filter.  3. Observe the product listing order.  4. Apply the "Google" sorting option. |
| **Expected Result** | The product list should reflect the applied "Samsung" filter and subsequently sort the results based on the "Google" sorting option. |
| **Actual Result** | The product sorting and filtering are applied and displayed correctly. |
| **Status** | Pass |
| **Test Environment** | Browser : Google Chrome  OS : Windows 10 |

| Field | Description |
| --- | --- |
| **Test Case ID** | TC - 024 |
| **Test Description** | Verify that a registered user can see the homepage with all images loaded correctly. |
| **Pre-conditions** | Navigate to <https://bstackdemo.com/> and open the homepage in a browser. |
| **Test Steps** | 1. Navigate to the login page.  2. Enter valid username and password.  3. Click the "Login" button. |
| **Test Data** | Username: “image\_not\_loading\_user”  Password: “testingisfun99” |
| **Expected Result** | The homepage should load fully, including all images. |
| **Actual Result** | The homepage loads, but images are not loaded. |
| **Status** | Fail |
| **Test Environment** | Browser : Google Chrome  OS : Windows 10 |