POWWR Intern Technical Challenge

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| Test Case ID | Test Case Description | Preconditions | Steps to execute | Expected Result | Actual Result | Status |
| TC001 | The page loads correctly and displays main elements, title | 1. Browser open. | 1. Navigate to url “[https://react-shopping-cart-67954.firebaseapp.com/](https://eur01.safelinks.protection.outlook.com/?url=https%3A%2F%2Freact-shopping-cart-67954.firebaseapp.com%2F&data=05%7C02%7Cj.sagar%40edu.salford.ac.uk%7C6f1c63c66e204795da3108dca800487e%7C65b52940f4b641bd833d3033ecbcf6e1%7C0%7C0%7C638569966374354381%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C0%7C%7C%7C&sdata=N5sEvpeWfB2rt%2BmWMQx6yk9%2FUPMV95sA3vnn4MngDi8%3D&reserved=0)”. 2. Check HTTP Response 3. Check body, main existence and visibility 4. Check for title | * HTTP Response OK. * Body visible. * Main visible. * Title exists, contains “Shopping cart”. |  |  |
| TC002 | Clicking the cart button opens the shopping cart. | 1. Shop page loaded. | 1. Click the cart button. | * The shopping cart is open. |  |  |
| TC003 | Clicking ‘Add to cart’ button for an item which is already in the cart increments the quantity of that item in the cart by one. | 1. Shop page loaded. 2. Item exists in the cart with quantity >= 0. | 1. Check the quantity of an arbitrary item in the cart. 2. Click ‘Add to cart’ button corresponding to that item. 3. Determine the difference between the new quantity in the cart and the original quantity. | * The difference in the item quantity in the cart is 1. |  |  |
| TC004 | Clicking ‘Add to cart’ button for an item which is not in the cart adds a single instance of that item to the cart. | 1. Shop page loaded. 2. Item exists in the shop which is not in the cart. | 1. Determine a product in the shop which has not been added to the cart. 2. Click ‘Add to cart’ on this item. | * The item appears in the cart with quantity of 1. |  |  |
| TC005 | Cart persists on page refresh. | 1. Shop page loaded. 2. Items exist in cart. | 1. Record quantities of items currently in cart. 2. Refresh page. 3. Compare recorded quantities from cart with new quantities. | * Pre-refresh cart quantities are equal to post-refresh quantities. |  |  |
| TC006 | Pressing the ‘+’ button on an item in the cart increments the quantity of that item in the cart by 1. | 1. Shop page loaded. 2. Items exist in the cart. 3. Cart is open. | 1. Record the quantity of an item in the cart. 2. Click the ‘+’ button on that item in the cart. 3. Compare the new quantity with the recorded quantity. | * The difference in the item quantity is 1. |  |  |
| TC007 | Incrementing the quantity of an item in the cart increments the cart subtotal by the price displayed for that item in the shop. | 1. Shop page loaded. | 1. Record current cart subtotal. 2. Increment the quantity of an item in the cart by ‘Add to cart’ button or ‘+’ button. 3. Determine the difference in subtotal pre and post increment | * The difference in the subtotal is equal to the price of the item added to cart |  |  |
| TC008 | Pressing the ‘-’ button on an item in the cart decrements the quantity of that item in the cart by 1. | 1. Shop page loaded. 2. Items exist in the cart. 3. Cart is open. | 1. Record the quantity of an item in the cart. 2. Click the ‘-’ button on that item in the cart. 3. Compare the new quantity with the recorded quantity. | * The difference in the item quantity is -1. |  |  |
| TC009 | Decrementing the quantity of an item in the cart decrements the cart subtotal by the price displayed for that item in the shop. | 1. Shop page loaded. 2. Cart is open. | 1. Record current cart subtotal. 2. Decrement the quantity of an item in the cart by ‘-’ button. 3. Determine the difference in subtotal pre and post increment. | * The difference in the subtotal is equal to the negated price of the item added to cart. |  |  |
| TC010 | When an item is in the cart with a quantity of 1, clicking the ‘-‘ button removes the item from the cart entirely. | 1. Shop page open. 2. Item exists in cart with a quantity of 1. 3. Cart is open. | 1. Click ‘-‘ button on cart item with quantity of one. | * The item is no longer shown in the cart. |  |  |
| TC011 | ‘N Product(s) found’ label matches the number of item panels in the shop | 1. Shop page open. | 1. Compare the count shown on the ‘N Product(s) found’ label to the number of item panels shown in the shop. | * The label count is equal to the number of item panels shown. |  |  |
| TC012 | When ‘CHECKOUT’ button pressed with items in the cart, the subtotal shown in the resulting box matches the subtotal shown in the cart. | 1. Shop page open. 2. Items exist in the cart. 3. Cart is open. | 1. Press ‘CHECKOUT’ button. 2. Compare the subtotal shown in the resulting box to the subtotal shown in the cart. | * The ‘CHECKOUT’ box subtotal is equal to the cart subtotal. |  |  |
| TC013 | Clicking the ‘X’ button on the cart closes the cart display. | 1. Shop page open. 2. Cart is open. | 1. Click the ‘X’ button | * The cart box is no longer visible |  |  |
| TC014 | The item quantity label attached to the trolley (cart) icon matches the sum of the quantities of all items in the cart. | 1. Shop page open. 2. Items exist in the cart. | 1. Record the quantity on the cart label. 2. Sum the quantities of all items in the cart. 3. Compare recorded quantity to the sum found in Step 2. | * The trolley icon label count is equal to the sum quantity of items in the cart. |  |  |
| TC015 | Clicking size filter buttons applies filter function | 1. Shop page open. 2. No filters applied. | 1. Record the number of items shown. 2. Click an arbitrary filter button. 3. Compare the recorded item count with the current item count. | * Clicked filter button shaded. * Pre-filter item count is greater than post-filter item count. |  |  |
| TC016 | Size symbol shown in cart for an added item corresponds to the selected filter. | 1. Shop page open. 2. No filters applied. | 1. For each available filter, do Step 2 to Step 7.. 2. Click filter button. 3. For each item shown, do Step 4 to Step 6. 4. Add item to cart. 5. Open cart menu. 6. Compare size symbol shown in cart with currently applied filter. 7. Clear cart and filter. | * Cart size symbol matches singular applied filter for all iterations. |  |  |
| TC017 | Hover over an item image in the shop causes and alternative image to be displayed. | 1. Shop page open. 2. Not currently hovering over a shop item image. | 1. Record the value of the image of an item in the shop. 2. Hover over that image. 3. Compare the recorded image to the currently displayed image. | * An image remains displayed while hovering. * The pre-hover image is not equal to the post-hover image. |  |  |
| TC018 | The list of results with no filters applied matches the list of results with all filters applied. | 1. Shop page open. 2. No filters are applied. | 1. Record the list of shop items shown 2. Click all filter buttons 3. Compare the recorded list of shop items with the currently displayed list | * The pre-filter shop item list is equal to the post-filter list. |  |  |
| TC019 | The subtotal shown in the cart approximately matches the total instalment payments listed | 1. Shop page open. 2. Items exist in cart. 3. Cart is open. | 1. Calculate the total instalment payment ‘months \* monthly payment’ shown in cart. 2. Compare instalment total with subtotal | * Absolute value of difference between instalment total and subtotal is less than ‘months’ cents. |  |  |