

Traceability Matrix

Requirement Name	Requirement Description	Use Case Reference	Test Cases	Test Case Descriptions	Status
Viewing Products	Each product should be shown with a product photo, title, and price.	Products	TC_001	TC_001: Load products page and confirm that each product appears in the desired format.	Approved
Add Product to Cart	Each product can be added to the cart.	Cart	TC_002, TC_003, TC_004	TC_002: Select any element and confirm it is displayed in the cart with the product image, name, and price. TC_003: Confirm adding a product to the cart updates the total price of the order. TC_004: If the user has already added that product to their cart, give them an alert.	Approved
Removing a Product from Cart	Any item in the cart can be removed.	Cart	TC_005, TC_006	TC_005: Select an item in the cart and confirm that clicking the remove icon deletes its information from the cart TC_006: Check if the order price is updated whenever an item is removed.	Approved
Selecting Product Quantity	Each product has a quantity attribute in the cart so that the user can buy multiple of one item.	Cart	TC_007, TC_008	TC_007: Add product to cart and confirm the quantity can be changed. TC_008: A change in quantity should update the price of the order.	Approved
Shipping Costs	The user earns free shipping for any purchase above \$50. Otherwise, they pay \$8.99.	Checkout	TC_009, TC_010	TC_009: Adding less than \$50 of items to the cart results in a shipping fee of 8.99 at checkout. TC_010: Adding \$50 or more to the cart results in no shipping fee at checkout.	Approved
Entering Discount Code	The user can enter a discount code which will reduce the price of their order if the code is valid.	Checkout	TC_011, TC_012	TC_011: Enter valid code and confirm price reduces TC_012: enter invalid code and confirm price stays at the original value.	Approved

Selecting a Payment Method	The user can select to pay with a credit card or gift card	Checkout	TC_013, TC_014, TC_015, TC_016	<p>Selecting credit</p> <p>-TC_013: Entering valid information allows for completed payment.</p> <p>-TC_014: Entering invalid information informs user to re-enter.</p> <p>Selecting gift card</p> <p>-TC_015: Entering valid information allows for completed payment.</p> <p>-TC_016: Entering invalid information informs user to re-enter.</p>	Approved
Browser Accessibility and design	The website can be visited on any browser and its appearance remains the same.	Functionality and Appearance	TC_017	<p>TC_017: Open website</p> <ul style="list-style-type: none"> • Chrome • Safari • Firefox • edge 	Approved
Mobile Accessibility and Design	The website can be visited on any mobile device and its appearance adapts to the screen size.	Functionality and Appearance	TC_018	<p>TC_018: Open website</p> <ul style="list-style-type: none"> • Phones • Tablets 	Pending