Unit Test Plan

Introduction

This plan describes the testing approach that will serve as the fundamental strategy for a single app. The purpose of the app is to provide the user with a list of handmade teddy bears that they can purchase with simple actions. It will be built only for web use.

The product requirements for the MVP are as follows:

- A list view page, showing all items available for sale.
- A single product page (using URL query parameters), which will dynamically show the item selected by the user, display a description and price in dollars, and allow users to personalise the product and add it to their cart.
- A cart page (using the localStorage JavaScript functionality), showing a summary of products in the cart, the total price, and a form with which to submit an order.
- An order confirmation page, thanking the user for their order, showing the total price and the order ID returned by the server.

Features to Test

1. A user can access the list view page, showing all items available for sale
- Frontend:
  - User can load page and view all available items

2. A user can view a single product page, which will dynamically show the item selected by the user.
- Frontend:
  - Display a description, price and allow users to personalise the product and add it to their cart.

3. A user can add an item to the cart
- Frontend:
  - User can click on call to action to add item to cart, they can then view the items in the cart. To make the order, they must fill out the form. The form will not validate unless the individual input fields are filled out correctly. Placeholder text has been used to illustrate the correct format.

4. A user receives confirmation of order upon detail validation being completed
- Frontend:
  - Confirmation page displays total price and a unique order ID