Test Plan for E-commerce Demo Website

## **1. Test Plan Overview**

* **Project Name**: E-commerce Demo Website Stackdemo (<https://bstackdemo.com/>)
* **Test Plan ID**: TP001
* **Prepared by**: Farhana
* **Version**: 1.0
* **Test Start Date**: 8 Sep 2024
* **Test End Date**: 18 Sep 2024
* **Objective**: To verify the functionality, usability and performance of the demo website. The focus is on ensuring a smooth user experience from product search to order placement.
* **Scope**: The scope of this test plan focuses on **manual testing** of the core features of the e-commerce demo website, including, product listing, checkout functionality, product detail pages, cart management, add to favorite and login/ logout functionality. Focus on core functionalities and usability.

## **2. Features to be Tested**

* **Homepage**:
  + **Product Listing**: Verify that the homepage displays products with correct details such as name, price, and image.
  + **Filtering and Sorting**: Ensure product filters (Lowest to highest) and sorting options work correctly (Highest to Lowest).
  + **Add to Favorites**: Confirm that users can successfully add products to their favorite list from the product detail page.
  + **Add to Cart**: Test the functionality of adding a product to the cart from the homepage.
* **Cart Management**:
  + **Add Products**: Verify that products can be added to the cart from the homepage or product details page.
  + **Remove Products**: Ensure that products can be removed from the cart.
  + **Update Quantity**: Test the ability to update the quantity of products in the cart.
* **Checkout Process**:
  + **Customer Details**: Validate that users can enter and submit customer information (e.g., shipping address).
  + **Order Confirmation**: Ensure that the order is confirmed, and the user can download an order receipt from the hyperlink provided.
* **Login/Logout**:
  + **User Login/Logout**: Ensure that registered users can log in and log out without issues.
* **UI/UX**:
  + **Consistency**: Ensure that the UI elements (buttons, text, images) are consistent across all pages.
  + **Responsiveness**: Test the website on different devices (mobile, tablet, desktop) to ensure it adapts correctly to various screen sizes.
* **Usability**:
  + **Navigation**: Test the overall user experience, ensuring the website is easy to navigate, with intuitive and smooth transitions between pages.
  + **Performance**: Ensure that loading times are reasonable across the website.

## **3. Test Approach**

* **Types of Testing**:
* **Functional Testing**: Focus on core functionality (login,add to cart, checkout).
* **UI Testing**: Ensure visual elements are aligned and functional.
* **Usability Testing**: Evaluate ease of use for critical flows like checkout.

## **4. Test Criteria**

* **Entry Criteria**:
  + Access to the e-commerce website
  + Test data for checkout.
  + Test environment setup.
* **Exit Criteria**:
  + All high-priority test cases passed
  + No critical defects unresolved
  + Acceptance sign-off from stakeholders

## **5. Test Deliverables**

* Test Plan Document
* Test Cases
* Defect Reports