# **Use Case Document**

## **1. Category Navigation**

### **Use Case ID: UC-01**

### **Use Case Name: Category Navigation**

### **Primary Actor: Customer**

### **Goal: The customer navigates through the website's categories to explore products.**

### **Preconditions:**

* The customer is on the homepage.
* The website has multiple product categories (e.g., Electronics, Apparel, Home Goods).

### **Trigger: The customer clicks on a category link or navigates through the menu.**

### **Main Flow:**

1. The customer accesses the homepage.
2. The website displays a navigation menu with product categories.
3. The customer selects a category (e.g., "Electronics").
4. The website displays a list of products under that category.
5. The customer can refine the product list using additional filters (e.g., price range, brand).
6. The customer can click on any product to view more details.

### **Alternative Flows:**

* If no products are available in a category, the website shows a message: "No products available in this category."

### **Postconditions:**

* The customer views the products under the selected category.

## **2. Guest Checkout**

### **Use Case ID: UC-02**

### **Use Case Name: Guest Checkout**

### **Primary Actor: Customer**

### **Goal: The customer proceeds to checkout without creating an account.**

### **Preconditions:**

* The customer has added items to the cart.
* The customer is not logged in.

### **Trigger: The customer selects "Proceed to Checkout" from the cart.**

### **Main Flow:**

1. The customer clicks on "Proceed to Checkout" from the cart.
2. The website displays a guest checkout option.
3. The customer enters shipping information (e.g., name, address, phone number).
4. The customer selects a shipping method.
5. The customer proceeds to payment, selecting a payment method (e.g., credit card, PayPal).
6. The customer reviews the order and clicks "Place Order."
7. The customer receives an order confirmation page.

### **Alternative Flows:**

* If the customer provides incorrect or incomplete information, the system prompts them to correct the errors.
* If there is an issue with payment processing, the system displays an error message.

### **Postconditions:**

* The customer successfully places the order as a guest without creating an account.

## **3. Homepage**

### **Use Case ID: UC-03**

### **Use Case Name: Homepage**

### **Primary Actor: Customer**

### **Goal: The customer views the homepage with featured products, promotions, and navigation options.**

### **Preconditions:**

* The customer opens the website.

### **Trigger: The customer navigates to the website's URL.**

### **Main Flow:**

1. The customer accesses the homepage.
2. The homepage displays a navigation menu with categories, a search bar, and featured promotions.
3. The homepage shows featured products, bestsellers, and seasonal items.
4. The customer can scroll through the homepage to view various sections such as offers, discounts, or new arrivals.
5. The customer can use the search bar to find specific products.

### **Alternative Flows:**

* If the customer does not interact with the homepage for a certain amount of time, the website could show a special offer to re-engage them.

### **Postconditions:**

* The customer has a visual overview of the site’s offerings and can navigate to other sections.

## **4. Add to Cart**

### **Use Case ID: UC-04**

### **Use Case Name: Add to Cart**

### **Primary Actor: Customer**

### **Goal: The customer adds a product to their shopping cart.**

### **Preconditions:**

* The customer is on a product page.

### **Trigger: The customer clicks the "Add to Cart" button for a specific product.**

### **Main Flow:**

1. The customer selects a product they wish to purchase.
2. The customer selects any necessary options (e.g., size, color).
3. The customer clicks the "Add to Cart" button.
4. The system adds the product to the cart and updates the cart's item count.
5. The customer sees a confirmation message indicating the product has been added.
6. The customer is offered the option to "View Cart" or "Continue Shopping."

### **Alternative Flows:**

* If the product is out of stock, the system shows an "Out of Stock" message.
* If the customer tries to add more than the available stock, the system shows a warning.

### **Postconditions:**

* The product is successfully added to the cart.

## **5. Search Filter**

### **Use Case ID: UC-05**

### **Use Case Name: Search Filter**

### **Primary Actor: Customer**

### **Goal: The customer uses filters to refine their search results.**

### **Preconditions:**

* The customer is on a search results page.
* The website has multiple filter options.

### **Trigger: The customer performs a search and accesses the filtered results page.**

### **Main Flow:**

1. The customer enters a keyword in the search bar and submits the query.
2. The website displays the search results.
3. The customer applies filters (e.g., price range, category, brand) to narrow down results.
4. The website updates the results based on the selected filters.
5. The customer can click on any product from the filtered results to view it in detail.

### **Alternative Flows:**

* If no results match the search criteria, the system displays a "No results found" message.
* If the customer clears the filters, the system returns to the original set of search results.

### **Postconditions:**

* The customer has refined the product list using search filters.

## **6. Login**

### **Use Case ID: UC-06**

### **Use Case Name: Login**

### **Primary Actor: Customer**

### **Goal: The customer logs into their account to proceed with a personalized experience or checkout.**

### **Preconditions:**

* The customer has an existing account.
* The customer is on the login page.

### **Trigger: The customer clicks "Login" on the homepage or checkout page.**

### **Main Flow:**

1. The customer navigates to the login page.
2. The customer enters their username (or email) and password.
3. The customer clicks "Login" to authenticate their credentials.
4. If credentials are correct, the customer is redirected to the dashboard or the page they were previously on (e.g., cart or homepage).
5. If the login is successful, the customer’s name or avatar appears in the header.

### **Alternative Flows:**

* If the customer enters incorrect login credentials, the system displays an error message, prompting the user to try again.
* If the customer has forgotten their password, they can click on the "Forgot Password" link and reset their password.

### **Postconditions:**

* The customer is logged into their account.