User Stories for Front-End Implementation

1. User Information
- User Story 1: Create a User Account
  - As a user, I want to register for an account so that I can log in and make purchases.
    - User can enter personal information (name, email, password).
    - User receives a confirmation message upon successful registration.
    - User is notified of any errors if the registration fails.

- User Story 2: Modify User Information
  - As a registered user, I want to modify my personal information so that I can keep my account up-to-date.
    - User can update personal information (name, email, password).
    - User receives a confirmation message upon successful update.
    - User is notified of any errors if the update fails.

- User Story 3: Login to Account
  - As a registered user, I want to log in to my account so that I can access my shopping cart and make purchases.
    - User can enter email and password to log in.
    - User is redirected to the dashboard upon successful login.
    - User is notified of any errors if the login fails.

2. Shopping Cart
- User Story 4: Add Items to Shopping Cart
  - As a user, I want to add items to my shopping cart so that I can purchase them later.
    - User can select items to add to the shopping cart.
    - Selected items are displayed in the shopping cart with their details (name, price, quantity).

- User Story 5: Remove Items from Shopping Cart
  - As a user, I want to remove items from my shopping cart so that I can update my purchase list.
    - User can remove items from the shopping cart.
    - The shopping cart is updated to reflect the changes.

- User Story 6: View Items in Shopping Cart
  - As a user, I want to view the items in my shopping cart so that I can review my selected items.

■ User can see a list of items in the shopping cart with their details (name, price, quantity).

- User Story 7: Calculate Taxes
  - As a user, I want the system to calculate taxes on my purchase so that I can see the total cost.
    - Taxes are calculated at an 8.25% tax rate.
    - The total cost including taxes is displayed in the order summary.

- User Story 8: Apply Discount Codes
  - As a user, I want to apply discount codes to my purchase so that I can save money.
    - User can enter a discount code at checkout.
    - The system validates the discount code and applies the discount to the total cost.
    - User is notified if the discount code is invalid.

- User Story 9: View Order Summary
  - As a user, I want to view a summary of my order so that I can review it before placing the order.
    - User can see the list of items, their prices, total cost, applied taxes, and any discounts.
    - User can proceed to place the order from the order summary page.

- User Story 10: Place Order
  - As a user, I want to place my order so that I can purchase the items in my shopping cart.
    - User can confirm and place the order.
    - User receives a confirmation message upon successful order placement.

3. Search and Sort
- User Story 11: Search Items by Criteria
  - As a user, I want to search for items by name or description so that I can find what I am looking for.
    - User can enter search criteria (name or description).
    - Matching items are displayed based on the search criteria.

- User Story 12: Sort Items by Price
  - As a user, I want to sort items by price so that I can find items within my budget.
    - User can sort items in ascending or descending order by price.
    - Items are displayed in the selected order.

- User Story 13: Sort Items by Availability
  - As a user, I want to sort items by availability so that I can see which items are in stock.
    - User can sort items based on availability.
    - Items are displayed showing their availability status (in stock, out of stock).