

Documentation – Assignment 2/ Gergely Visnyei

1. Project Overview

- This project is a simple webshop application built with HTML, CSS, JavaScript and Bootstrap 5. Users can browse products, add them to a shopping cart, fill out a checkout form, and receive a confirmation summary.

2. Bootstrap components used

- Navbar (top navigation with cart button + badge)
- Modal (confirm clear cart)
- Cards (product gallery items)
- Grid System (Responsive website)
- Buttons (Bootstrap 5 featured buttons)

3. JavaScript functionality

- Products are stored in a JavaScript array and rendered dynamically into Bootstrap cards.
- A shopping cart array stores selected products and their quantities.
- Users can add products to the cart, update quantities, or remove items.
- The cart badge updates dynamically based on the total quantity.
- JavaScript calculates subtotal, a 25% discount for 3 or more items, 20% tax, and the final total.
- The checkout form uses basic validation before submission.
- After checkout, a confirmation summary with purchased items and totals is displayed and the cart is cleared.

4. Calculations

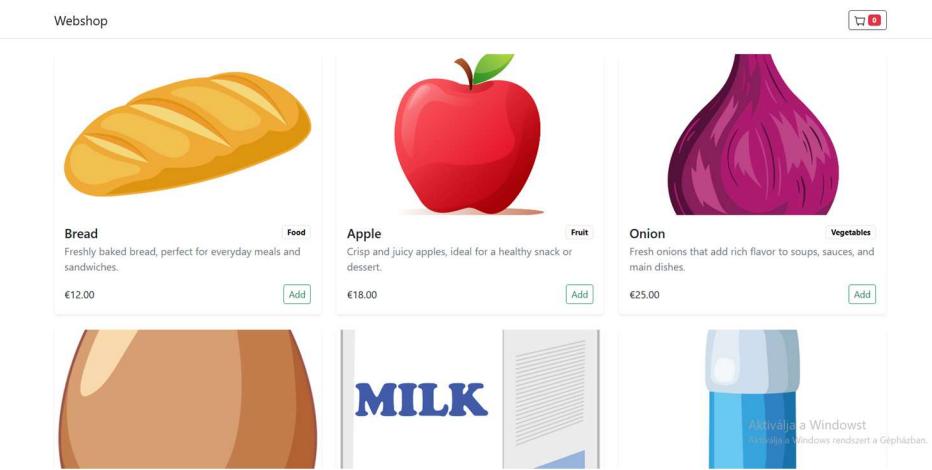
- Subtotal is calculated as the sum of each product's price multiplied by its quantity.
- A 25% discount is applied when the total number of items in the cart is three or more.
- Tax is calculated at a rate of 20% on the discounted subtotal.
- The total price is calculated by adding the tax to the discounted amount.

5. Checkout and Confirmation

- The checkout process collects the users shipping information through a form with basic validation. After submission, a confirmation view displays a summary of the selected products and the final calculated total.

6. Screenshots

- **Index page**

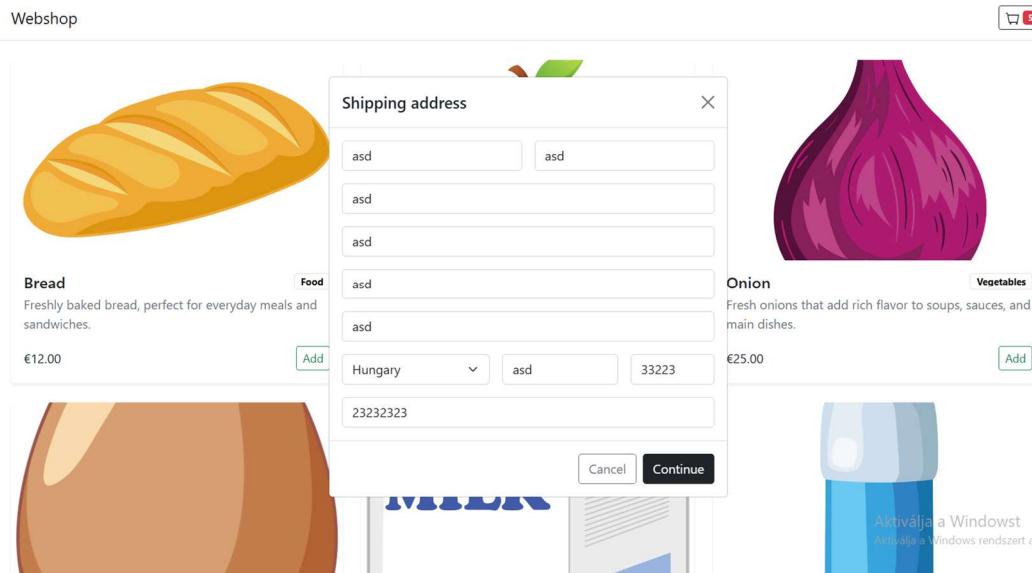


- **Cart Page**

Cart		
Apple €18.00	- 2 +	€36.00
Bread €12.00	- 3 +	€36.00
Subtotal		
Discount (25%)		
Tax (20%)		
Total		

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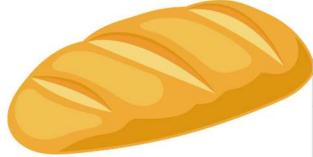
- **Checkout Page**



- Confirmation Page

Webshop

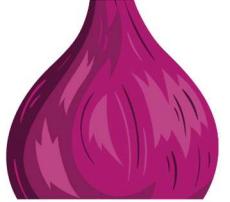
Cart 0



Bread
Food
Freshly baked bread, perfect for everyday meals and sandwiches.
€12.00 Add



Apple
€18.00 × 2
€36.00



Onion
Vegetables
Fresh onions that add rich flavor to soups, sauces, and main dishes.
€25.00 Add



MILK

Confirmation

Apple €18.00 × 2		€36.00
Bread €12.00 × 3		€36.00
Subtotal		€72.00
Discount (25%)		-€18.00
Tax (20%)		€10.80
Total		€64.80