

Documentation for Assignment 2

The website allows users to:

- View a menu with different pizza
- Add Pizza to the shopping cart
- Increase the quantity when the same pizza is added again
- Show the calculated total, discount, tax
- Fill out a checkout form
- Get a confirmation message after ordering

What was used for the Assignment:

- **HTML**

HTML was used to structure the website. It defines the layout of the page, including the menu cards, shopping cart table, checkout form, and confirmation message.

HTML reference used:

<https://www.w3schools.com/html>

- **CSS & Bootstrap**

Bootstrap 5 was used for styling and layout because it makes it easier to create responsive designs. I used Bootstrap components such as cards, grid layout, buttons, offcanvas, modal, and alerts.

Bootstrap references used:

- Grid system: <https://getbootstrap.com/docs/5.3/layout/grid/>
- Cards: <https://getbootstrap.com/docs/5.3/components/card/>
- Offcanvas (shopping cart): <https://getbootstrap.com/docs/5.3/components/offcanvas/>
- Modal (checkout): <https://getbootstrap.com/docs/5.3/components/modal/>
- Alerts (confirmation): <https://getbootstrap.com/docs/5.3/components/alerts/>

- **JavaScript**

JavaScript was used to make the website interactive. It handles adding items to the cart, updating quantities, calculating totals, applying discounts, validating the form, and showing the confirmation message.

JavaScript references used:

- Functions: https://www.w3schools.com/js/js_functions.asp
- Arrays: https://www.w3schools.com/js/js_arrays.asp
- DOM manipulation: https://www.w3schools.com/js/js_htmlDOM.asp
- Event listeners: https://www.w3schools.com/js/js_events.asp

- **Sources**

Bootstrap Documentation: <https://getbootstrap.com/docs/5.3/>

W3Schools JavaScript Tutorial: <https://www.w3schools.com/js/>

W3Schools HTML Tutorial: <https://www.w3schools.com/html/>

Explanation:

- Shopping Cart

Each pizza has an 'Add to Cart' button. When the button is clicked, JavaScript checks if the item already exists in the cart. If it does, the quantity is increased. Otherwise, a new item is added. The cart is displayed using a Bootstrap Offcanvas component.

- Discount and Tax Calculation

A discount system was implemented in JavaScript. If three or more items are added to the cart, a 10% discount is applied to the net total. After the discount, a 20% tax is calculated. The final gross total is then displayed.

- Checkout and Confirmation


The checkout form is shown using a Bootstrap Modal. HTML validation ensures that all required fields are filled in correctly. After submitting the form, the modal and shopping cart close, and a confirmation message is displayed using a Bootstrap Alert.

Screenshots of the Website:


Pizza day

Buy a Pizza for a good cost. For every Pizza bought, we will donate the Money to the Charity Refuge. Refuge is an Organisation for Woman and Children against domestic violence. Help now and buy a Pizza to help Woman and Children.


Restaurant Menu




Margherita
Tomato Sauce, extra Mozzarella
€12
[Add to Cart](#)




Salami
Tomato Sauce, extra Mozzarella, Beef-Chicken Salami
€15
[Add to Cart](#)




Capricciosa
Tomato Sauce, Mozzarella, Ham, Champignons
€15
[Add to Cart](#)




[Add to Cart](#)




[Add to Cart](#)




[Add to Cart](#)



Hawaii
Tomato Sauce, Mozzarella, Ham, Pineapple
€15
[Add to Cart](#)



Carbonara
White Cremefine, Mozzarella, Grilled Chicken, Red Onions, Bacon
€15
[Add to Cart](#)



Pepperonchee
White Cremefine, Mozzarella, Pepperoni, Shepherd's Cheese, Blue Cheese
€15
[Add to Cart](#)

[View Cart](#)

Thank you for your donation!
Your order has been placed successfully.
Total donated: 48.60 €

Checkout

First Name

Enter your first name

Last Name

Enter your last name

Address

Enter your street and house number

ZIP Code

Enter ZIP (4 digits)

City

Enter your city

Phone Number

Enter your phone number (numbers only)

Cancel

Order

Shopping Cart

Item	Quantity	Price (€)	Total (€)
Carbonara	1	15.00	15.00
Pepperonchee	1	15.00	15.00
Hawaii	1	15.00	15.00

Totals:
Netto: 45.00 €
Discount: 4.50 €
Tax (20%): 8.10 €
Brutto: 48.60 €

Checkout