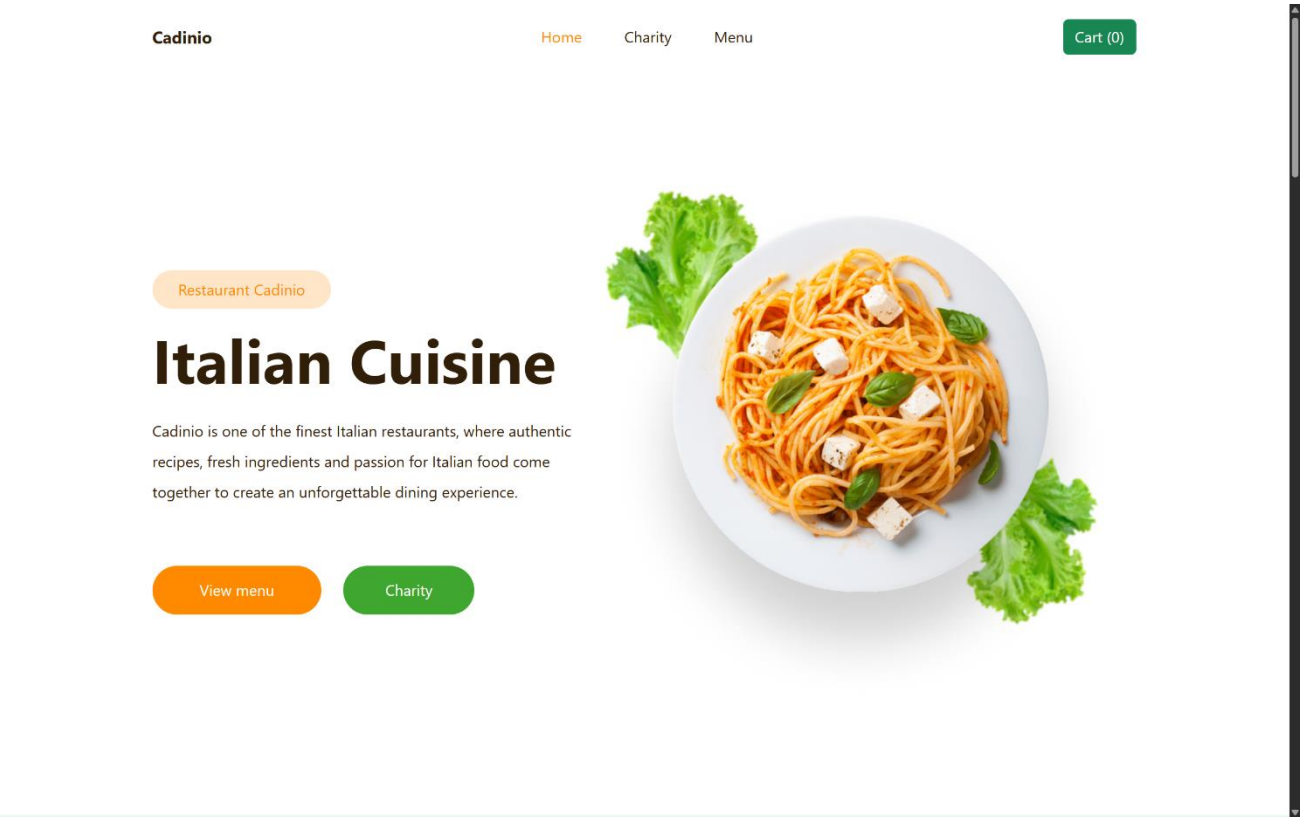
# Restaurant Cadinio – Project Documentation

## 1. Project Overview

This project is a front-end web application called **Restaurant Cadinio**. The goal of the project was to create a simple restaurant website with a menu, shopping cart, and checkout process using **HTML**, **CSS**, **JavaScript**, and **Bootstrap**.

The website allows the user to view menu items, add them to a cart, fill in a checkout form, and receive an order confirmation. All functionality is implemented on the front-end side without page reloads.



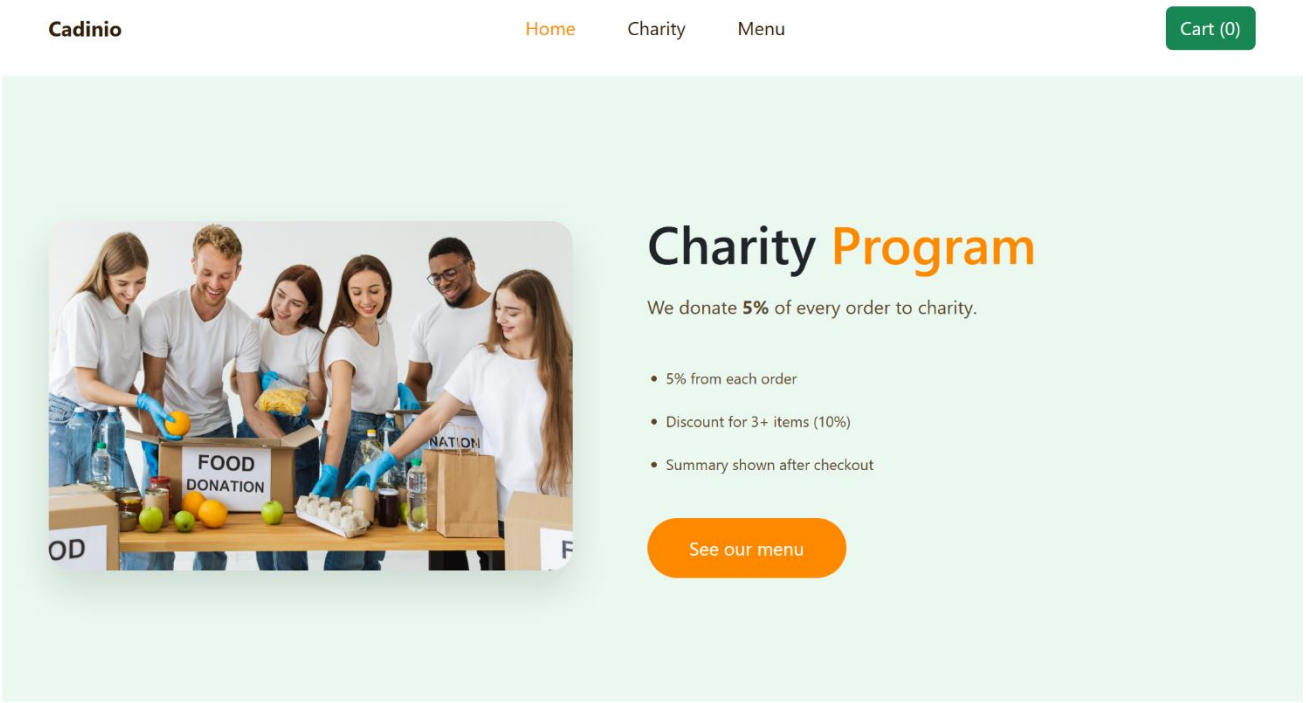

## 2. Technologies Used

- **HTML** – used to structure the website content
- **CSS** – used for custom styling and layout
- **Bootstrap** – used for responsive layout, cards, buttons, forms, and modals
- **JavaScript** – used for cart logic, calculations, validation, and dynamic updates

### 3. Website Structure

The website consists of the following main parts:

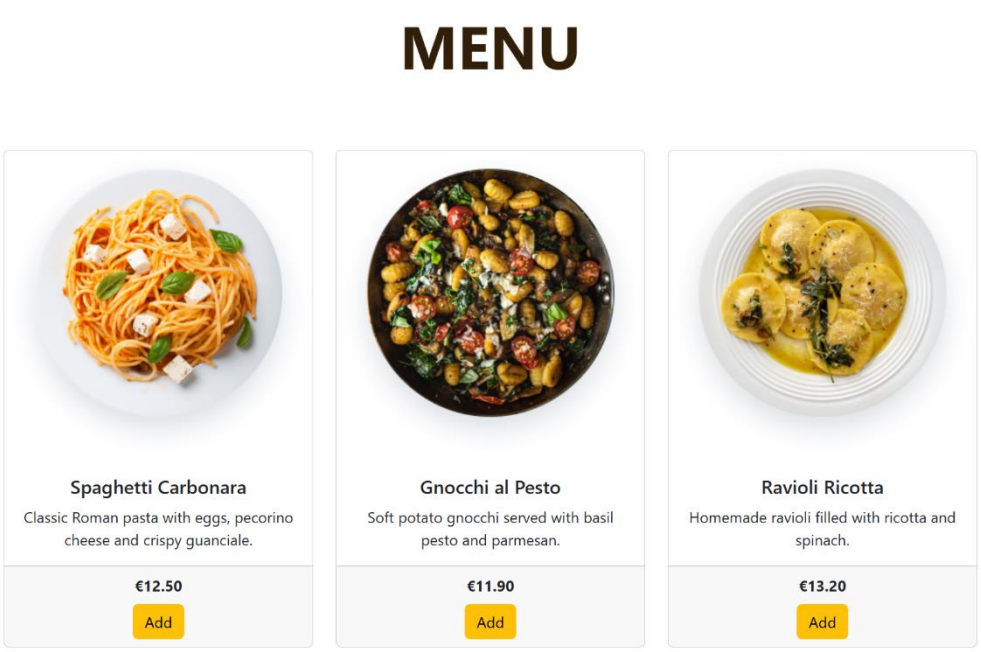
- **Header** – contains the navigation menu and cart button with item counter
- **Home section** – introduction and call-to-action buttons
- **Charity section** – explains the charity concept and discount information




- **Menu section** – displays food items using Bootstrap cards
- **Cart modal** – shows selected items and current total price
- **Checkout modal** – form for entering user information
- **Confirmation modal** – final order summary

Navigation between sections is done using anchor links.

**Figure 1. Main page of the Restaurant Cadinio website**



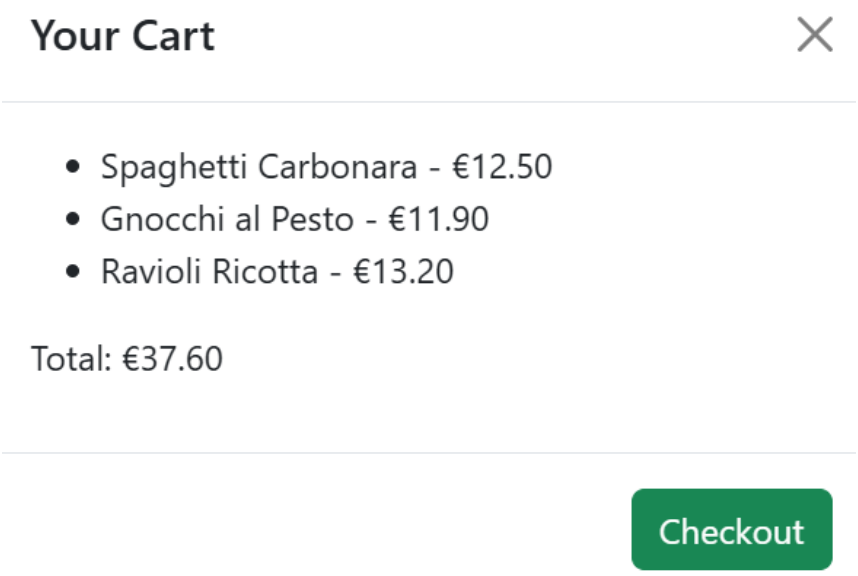

**5. Shopping Cart Logic**

The shopping cart is implemented using JavaScript.

- Items are stored in a JavaScript array
- Each item contains a name and a price
- The cart content is updated dynamically when items are added
- The cart counter shows the number of selected items

The cart is displayed inside a Bootstrap modal.

**Figure 3. Shopping cart modal with selected items**



### 6. Price Calculation

The following calculations are performed automatically:

- **Subtotal** – sum of all item prices
- **Discount** – 10% discount is applied when 3 or more items are added to the cart
- **Tax** – 20% tax calculated after the discount
- **Total** – final price including discount and tax

All values are calculated using JavaScript and displayed dynamically.

### 7. Checkout Form and Validation

The checkout process is implemented using a Bootstrap modal containing a form.

Form fields:

- Name
- Email
- Phone number
- Address
- ZIP code

Validation rules:

- All fields must be filled
- Email must contain the "@" symbol
- Phone number must contain only digits
- ZIP code is limited to a maximum of 6 characters

If validation fails, an error message is shown without reloading the page.

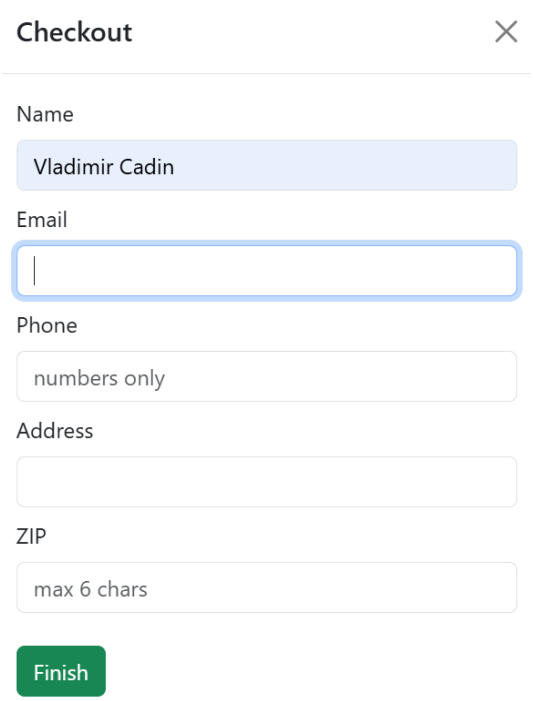



**Figure 4. Checkout form modal**

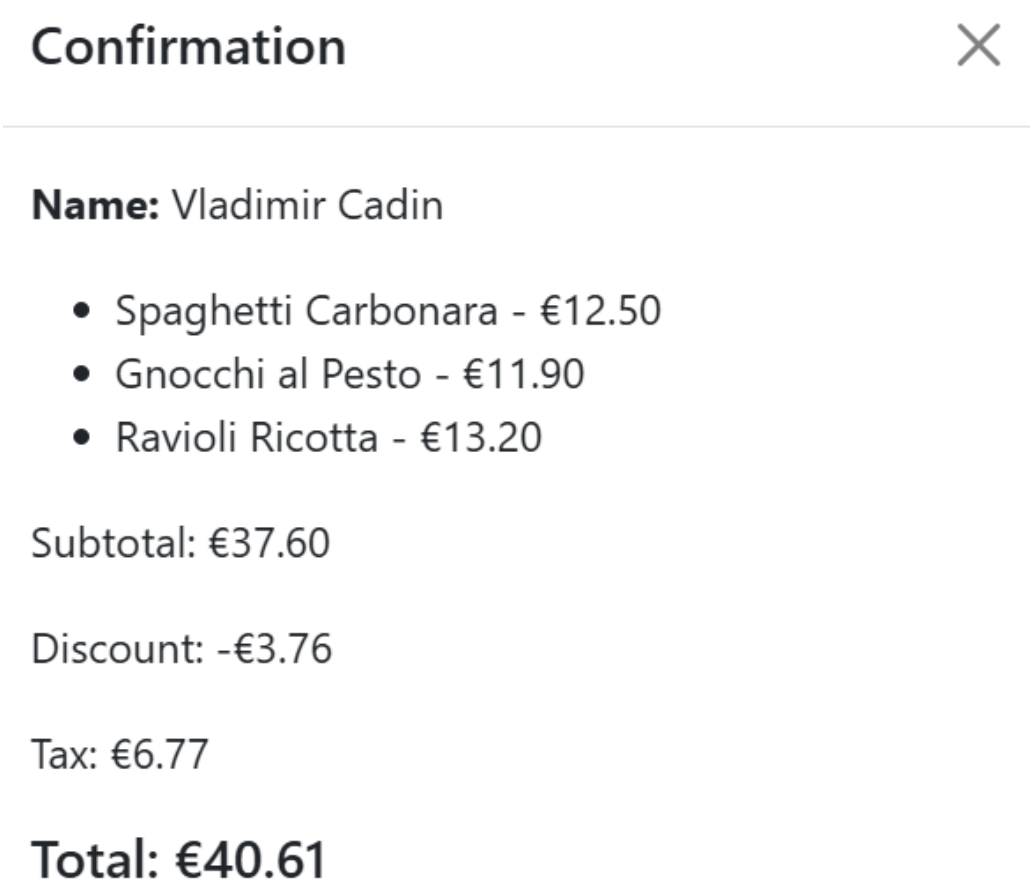
**8. Order Confirmation**

After successful form submission:

- The checkout modal is closed
- A confirmation modal is displayed
- The confirmation shows:
  - Customer name
  - List of ordered items
  - Subtotal
  - Discount
  - Tax
  - Final total price

After confirmation, the cart is cleared and the form is reset.

**Figure 5. Order confirmation modal**



### 9. Bootstrap Components Used

- Grid system (container, row, col-md-*)
- Cards (card, card-body, card-footer)
- Buttons and forms (btn, form-control)
- Modals (modal, modal-content)

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### 10. Conclusion

This project helped me understand how JavaScript can be used to handle user interaction, form validation, and dynamic content updates.

The website meets the assignment requirements and demonstrates a simple but functional front-end shopping cart and checkout process.