

Assignment 2 – Documentation

Project Title: Charity Donation Shop

This project is a single-page donation booking system built for a charitable scenario. The idea was to keep everything inside one HTML file, but still give the user a clear, step-by-step process: choosing donation packs, entering contact details, and getting a final confirmation.

Bootstrap Components Used

I used several Bootstrap components to structure the page and make everything clean and responsive. The main components are:

1. Navbar – a simple header at the top of the page.
2. Cards – used for the donation items and the summary boxes.
3. Progress Bar – shows which step the user is currently on.
4. Alerts – one for the discount message and one for the final confirmation.
5. Tables – used in the cart and in the order summary.
6. Bootstrap Forms – used to build and style the checkout form.
7. Grid System – containers, rows, and columns used throughout the layout.

JavaScript Functionality

The JavaScript code handles the page flow, cart management, form validation, and the final calculations. The main ideas:

- Step switching:

The function `setStep(step)` hides or shows one of the three page sections by toggling the Bootstrap class "d-none".

- Product list:

The donation items are stored in an array of objects. Each object has an id, name, and price. This makes it easy to update or expand the list.

- Cart logic:

`addToCart()` increases item quantities and `updateCartUI()` refreshes the visible cart.

The cart updates immediately after each action.

- Form validation:

The function `validateForm()` checks: required fields, a numeric-only phone number, ZIP code up to 6 characters, and a basic email structure.

- Totals and discount:

`calculateTotals()` computes the subtotal. If the user donates 3 or more items in total, a 10 percent discount is applied. After that, a 5 percent fee is added.

- Confirmation page:

`showConfirmation()` builds the summary table and displays all details entered by the user.

- Reset:

`resetAll()` clears the form, the cart, and returns the user to Step 1.

Screenshots

Below are screenshots of the three main steps of the website.

Charity Donation Shop

Select donation packs, add them to your cart and support children in need.
Step 1: choose items → Step 2: enter your details → Step 3: see confirmation

Step 1 of 3

Item	Qty	Total (€)
Cart is empty		
Subtotal: 0.00 €		
Go to checkout		

Donation packs

 Winter Warmth Kit Warm clothing and blanket for one child	 School Starter Kit Backpack, notebooks and pens.	 Emergency Food Box Food for a family for several days. €30.00
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1293081	Moldova
Street address *	
wdpfmkdf	
City *	ZIP (max 6 chars) *
Krems	3500
Notes (optional)	
<input type="text"/>	
← Back	Confirm donation

Thank you for your donation! Here is a summary.

Order summary			
Item	Qty	Unit	Total
Emergency Food Box	3	30.00	90.00
		Subtotal:	90.00 €
		Discount:	-9.00 €
		Tax / fee (5%):	4.05 €
		Total:	85.05 €

Your details	
Name:	Andrei Simonov
Email:	mrandrei63p@gmail.com
Phone:	1293081
Address:	wdpfmkdf, 3500 Krems, Moldova
Notes:	No special notes.

[New donation](#)