

Assignment 2 - JS and Bootstrap Documentation

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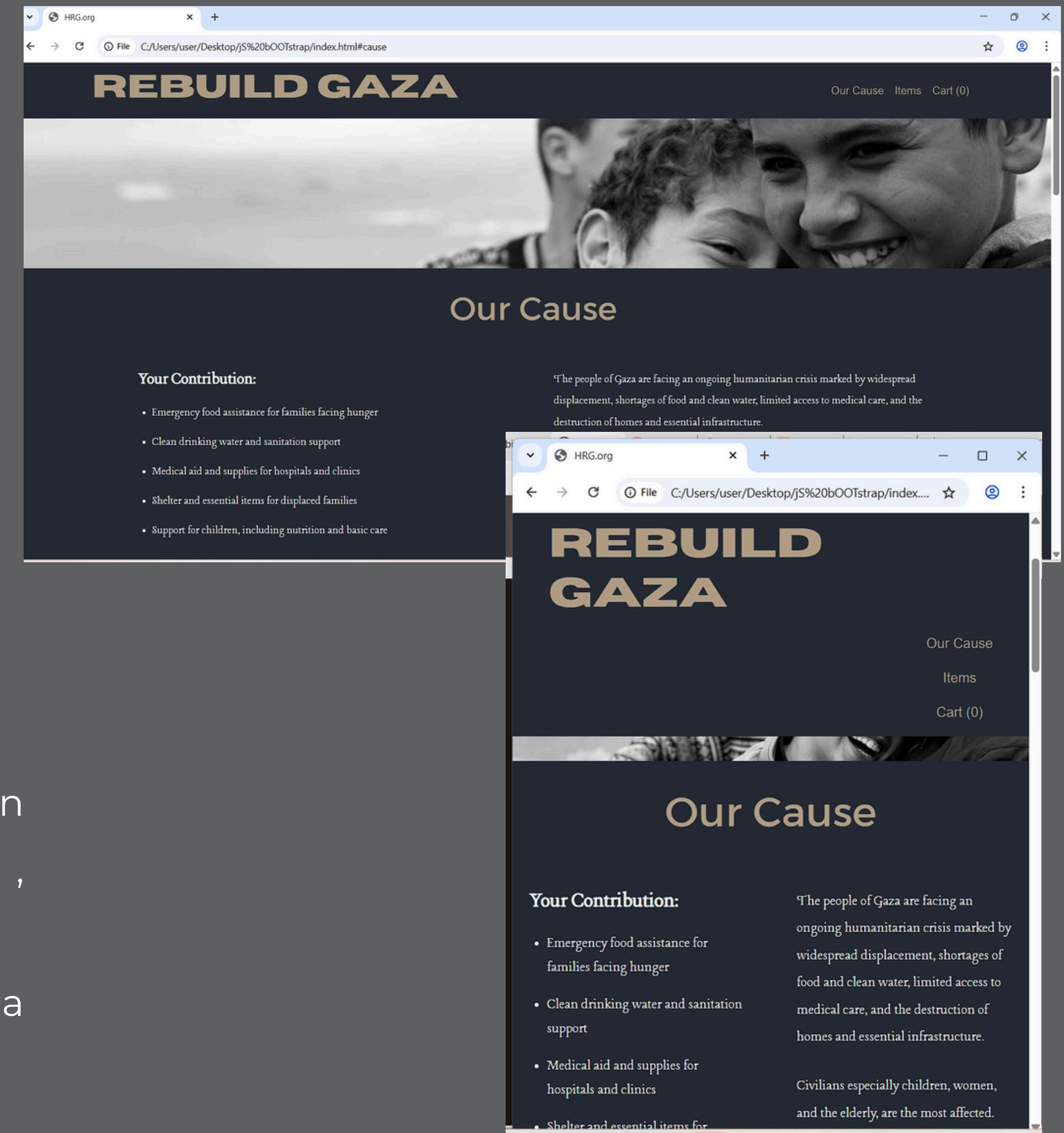
Page Overview

User Flow

- Browse humanitarian aid items
- Add items to cart
- View cart and total donation
- Complete checkout form
- Receive confirmation message

BootStrap Components

- **NavBar** - I made it possible so that the user can navigate through the page (Products, Our Cause) , and also made the nav sticky
- **Grid System (container / row / col)**- I created a responsive product gallery(col-6 col-md-4)



- **Cards** - I styled the items as cards including image, title, description, price, and button

- **Buttons** - such as:

Add to Cart

Checkout

- **Forms** - utilised bootstrap form control to verify the users input for checkout (name, email, address)

- **Utility Classes**

d-none for hiding/showing sections

Spacing (my-5, mb-3, etc.)

The screenshot shows a website for "REBUILD GAZA" with a dark theme. At the top, there's a navigation bar with links for "Our Cause", "Items", and "Cart (2)". The main content area features a grid of six donation items, each presented as a card:

- Food Parcel (basic)**: \$10. Description: Symbolically supports rice, lentils and oils. Includes an image of a food parcel.
- Emergency Medical Kit**: \$25. Description: Bandages, antiseptics and pain relievers. Includes a red cross icon.
- Family Meal Box**: \$18. Description: Helps feed a family for a day. Includes an image of a meal box.
- Hygiene Care Package**: Description: Soap, toothbrushes, detergent. Includes an image of a hygiene kit.
- Clean Water Supply**: Description: Contributes to water purification. Includes an image of water bottles.
- Baby Essentials Kit**: Description: Diapers, formula and wipes. Includes an image of a baby and diapers.

Below the grid, a summary box titled "Your Donations" lists the items added to the cart:

- Clean Water Supply — 12\$
- Baby Essentials Kit — 20\$

Subtotal: 32.00\$

Total: 32.00\$

With "Back" and "Checkout" buttons at the bottom.

JS Functionality and Logic

1. All available products are stored in a **structured array(listofItems)**,

where each item includes an *id, name, price, image, and description*.

2. When a user selects “Add to Cart,” the corresponding product object is inserted into a dedicated **cart array, and the cart counter updates automatically to reflect the current number of items.**

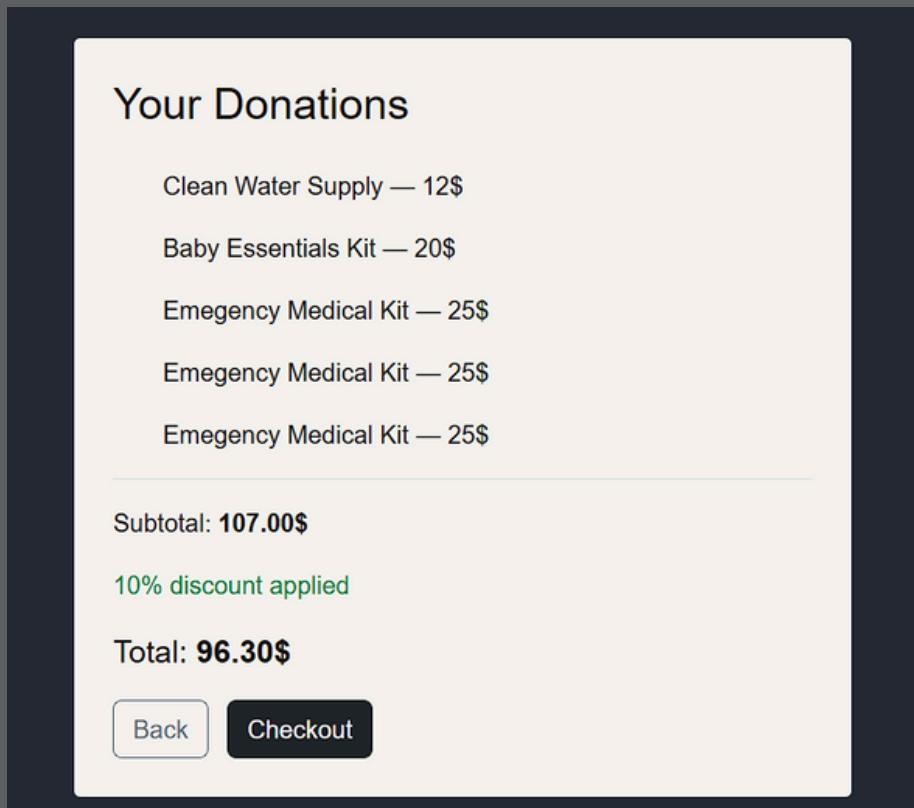
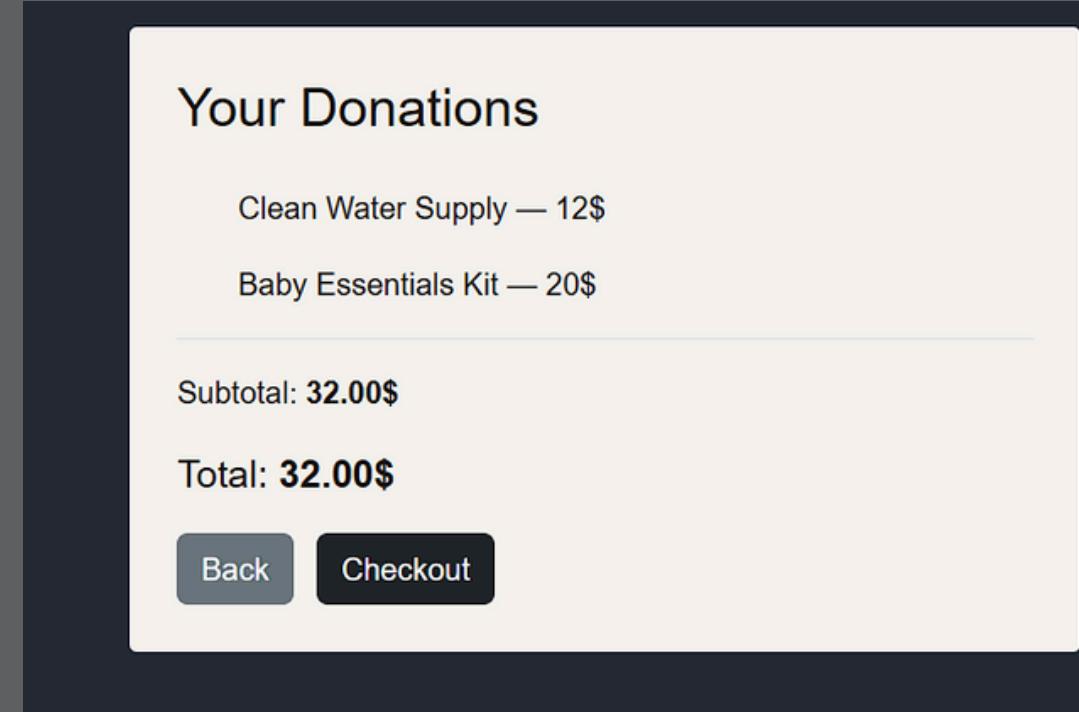
3. The **navigation between different parts of the shopping flow**, Shop, Cart, Checkout, and Confirmation, is also controlled through JavaScript. Instead of loading new pages, the interface dynamically **shows or hides sections by adding or removing a CSS class** that controls visibility.

This approach allows the entire shopping experience to function smoothly **within a single page**.

piece of code that is responsible for this :

```
classList.add("d-none")
```

```
classList.remove("d-none")
```



Form Validation

Prevents submission if fields are empty:

- preventDefault() to control form submission

Confirmation Step

After successful checkout:

Cart and form are hidden

Confirmation message is displayed

Confirms successful donation and completion of the process

