

# Assignment 2 – JS and Bootstrap Documentation

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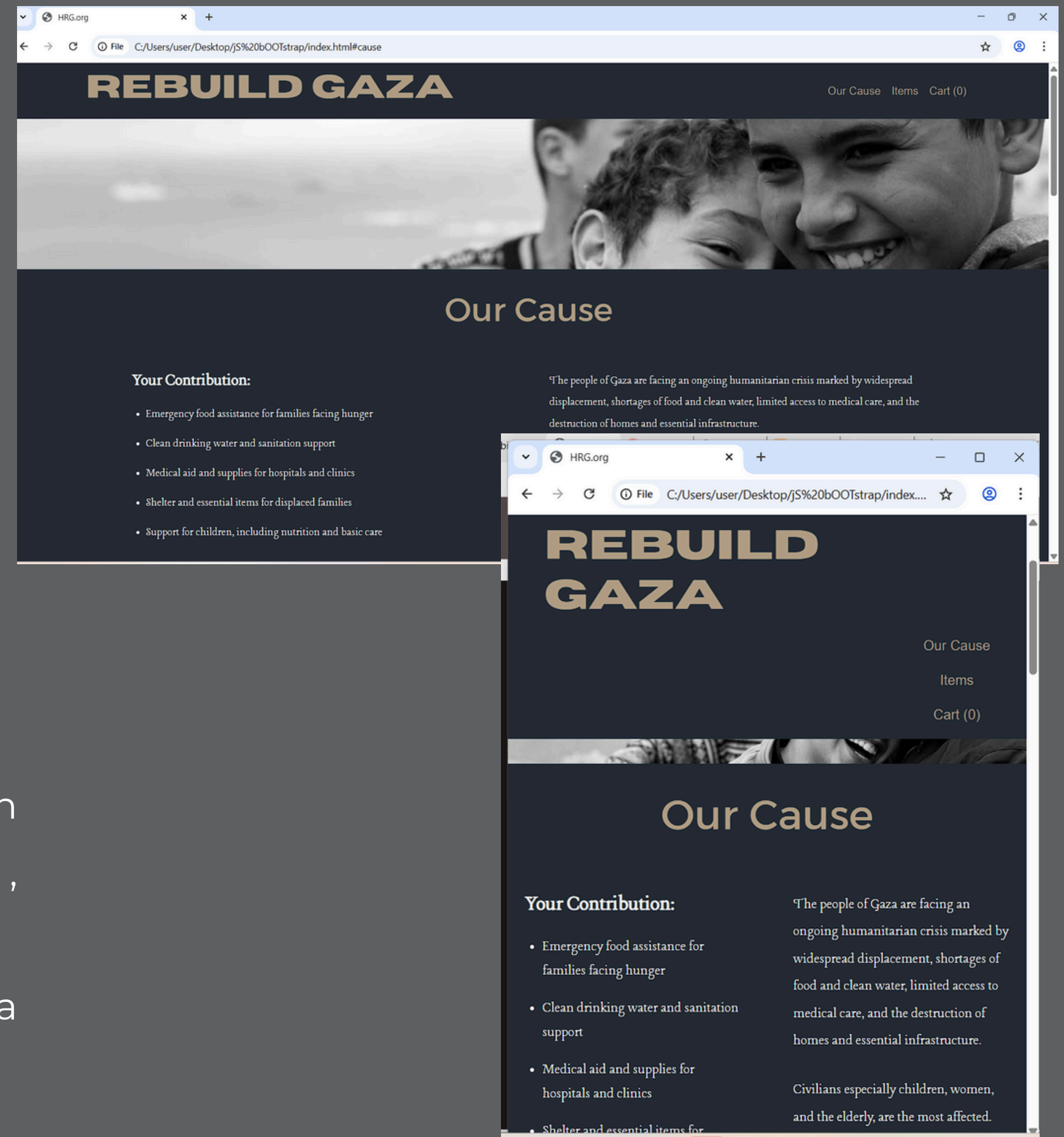
# Page Overview

## 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

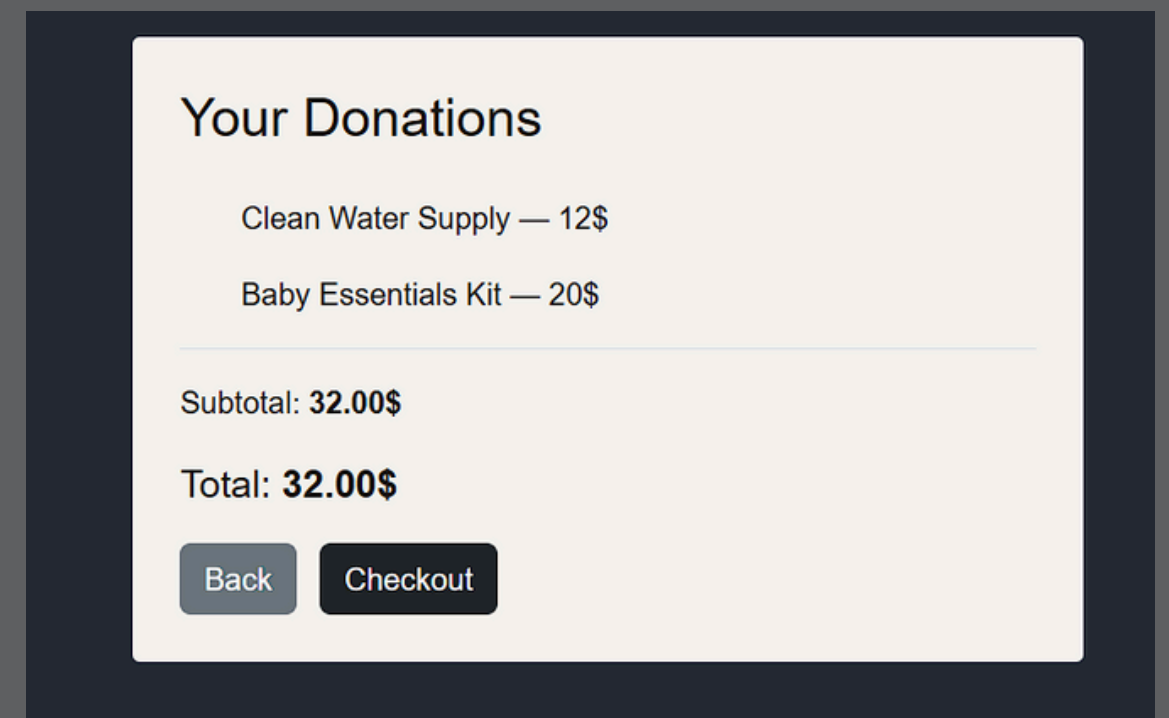
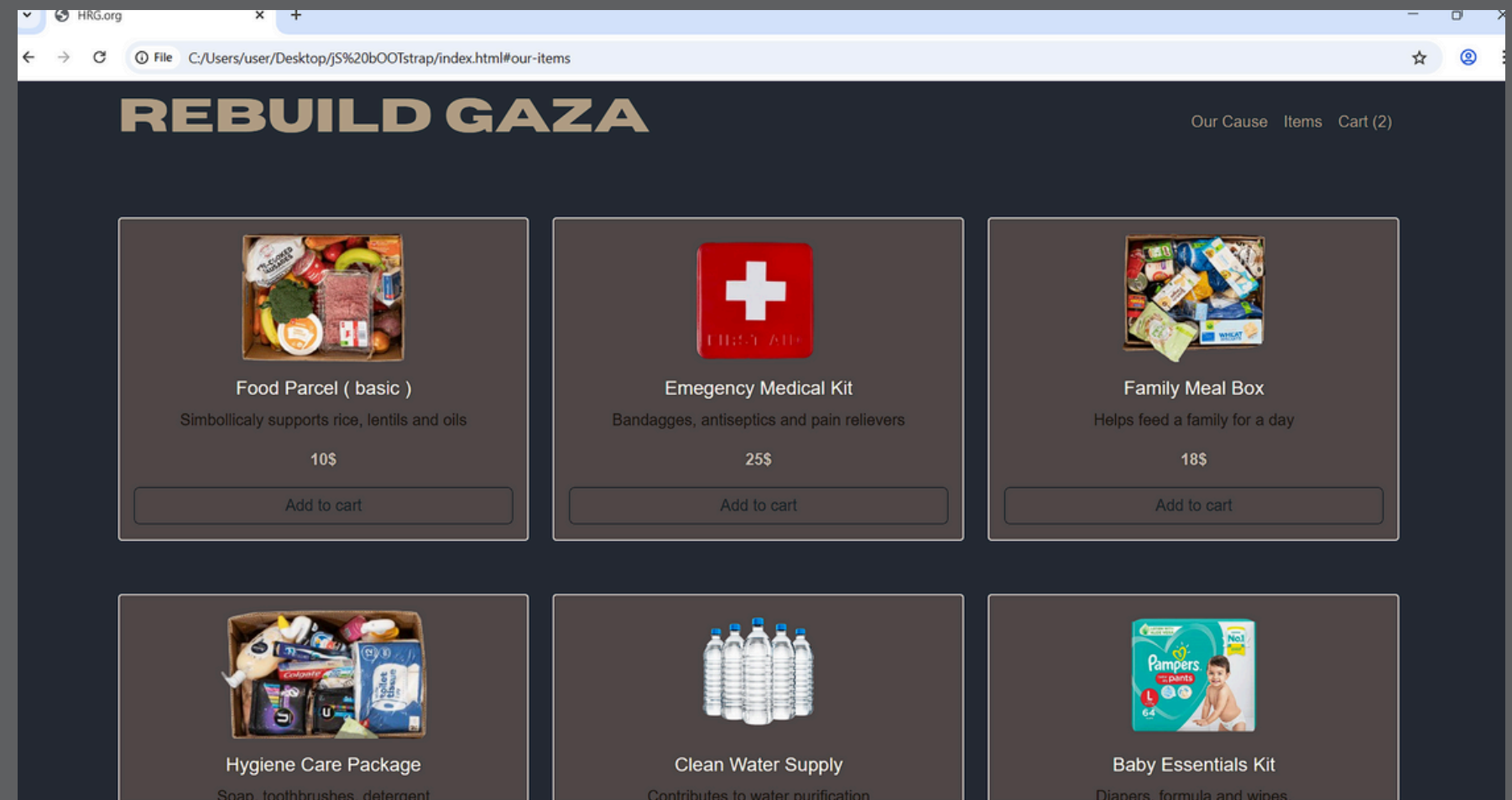
Checkout

- **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.)



# JS Functionality and Logic

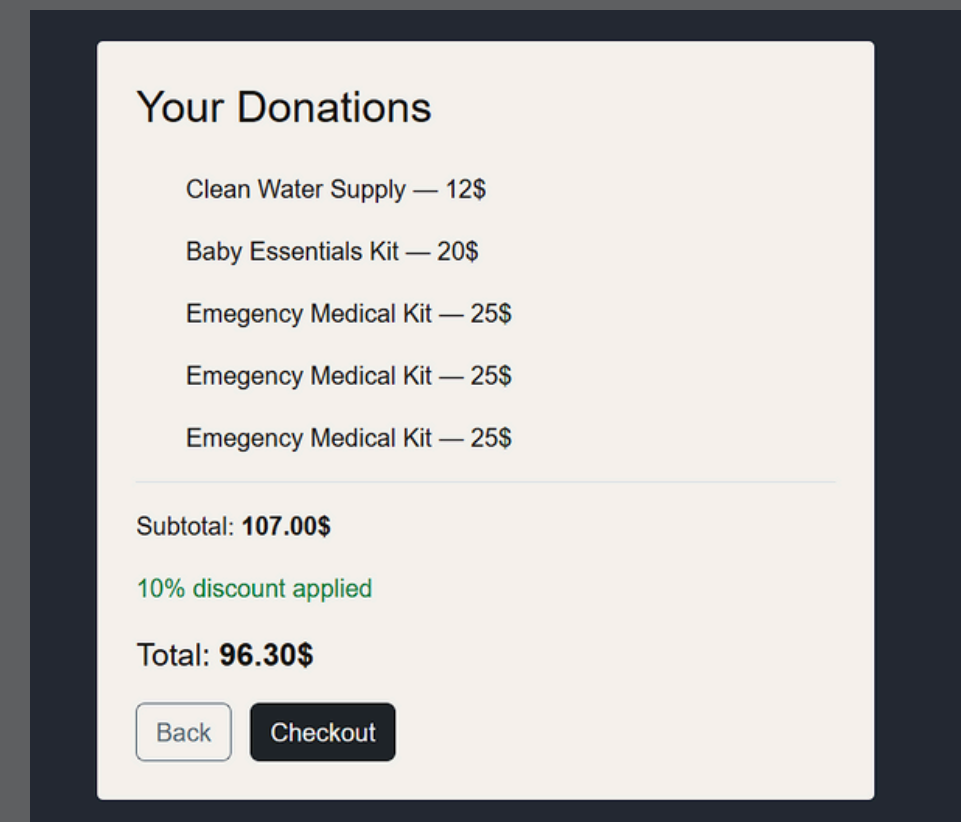
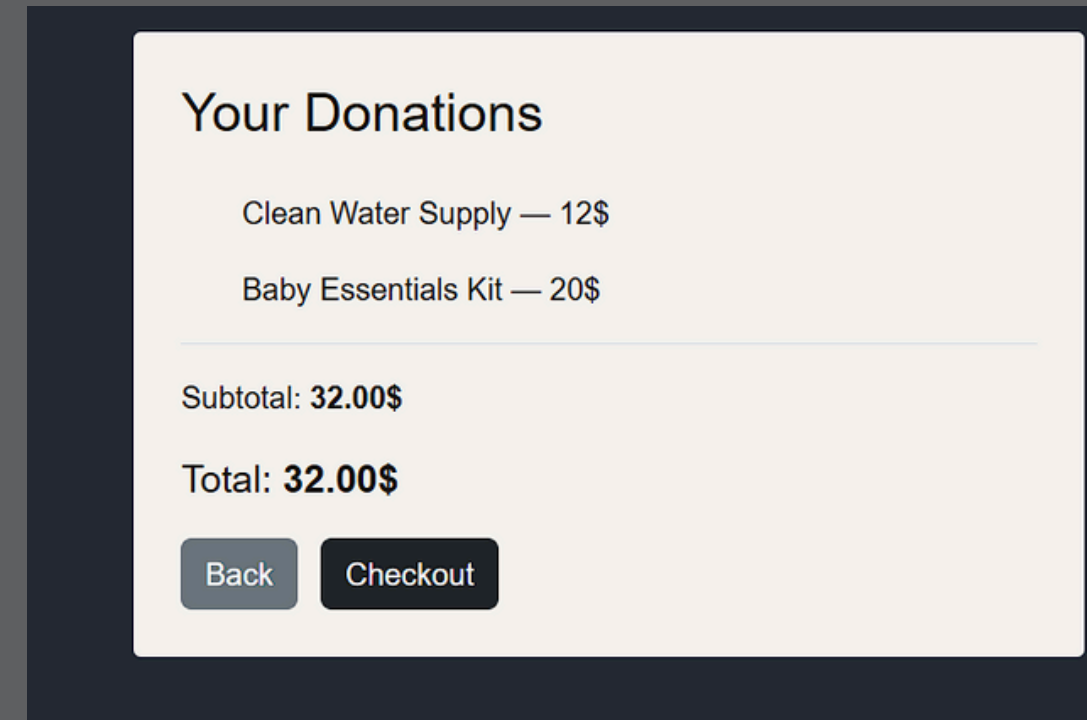
1. All available products are stored in a **structured array( listofItems)**, where each item includes an *id, name, price, image, and description*.
2. When a user selects “Add to Cart,” the corresponding product object is inserted into a dedicated **cart array, and the cart counter updates automatically 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

The diagram illustrates a checkout form in two states. The top form is the initial state with three empty input fields: Full Name, Email, and Address. The bottom form shows the state after a validation error. The Email field contains the text 'hjvbnm' and is highlighted with a blue border. A red error message is displayed below the field: 'Please include an '@' in the email address. 'hjvbnm' is missing an '@'.'. Both forms have a 'Confirm Donation' button and a 'Back' button.

**Checkout**

Full Name

Email

Address

**Confirm Donation**

Back

**Checkout**

Full Name

Email

Address

**Confirm Donation**

Back

Please include an '@' in the email address. 'hjvbnm' is missing an '@'.