



Helping Hopeless Programmers

# Documentation

Tarik Ayvazi

[hhp.tarikajvazi.com](http://hhp.tarikajvazi.com)

# Introduction - General Information

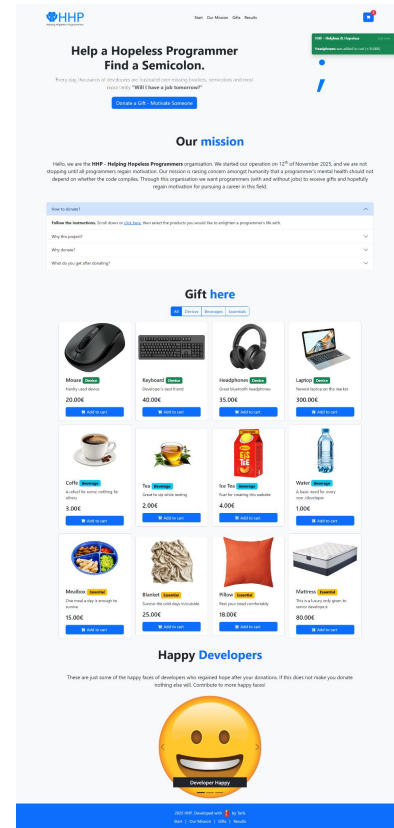
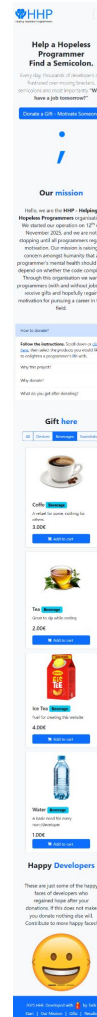
- The idea is about raising money (gifts) for programmers. It is inspired by this unusual 2025 job market where a lot of programmers struggle.
- I used containers and cols for most parts as expected
- I only used CSS for the spinner and the thank you message, so everything else is bootstrap (even the spinner, except its background)
- The logo was custom made
- The first slide of each section will be the workflow, the next slide will be the code

# Bootstrap Components

1. Navbar
2. Carousel
3. Accordion
4. Badge (2 uses)
5. Button group as filters
6. Button
7. Cards
8. Close button
9. Collapse for animated checkout
10. Modal
11. Spinner (loader)
12. Toasts (for item added to cart confirmation)
13. Bootstrap forms
14. List group

# Landing page

- Simple navbar with the checkout button (icon is svg from bootstrap + badge for current number of items in cart)
- Simple hero section
- Our mission text + Bootstrap Accordion
- Gifts with filters (coded in JavaScript)
- Dynamic display of products from the list of objects
- A carousel of a happy , happier and the happiest programmer as a result of the donations + a footer below



# Landing Page - Code Highlights

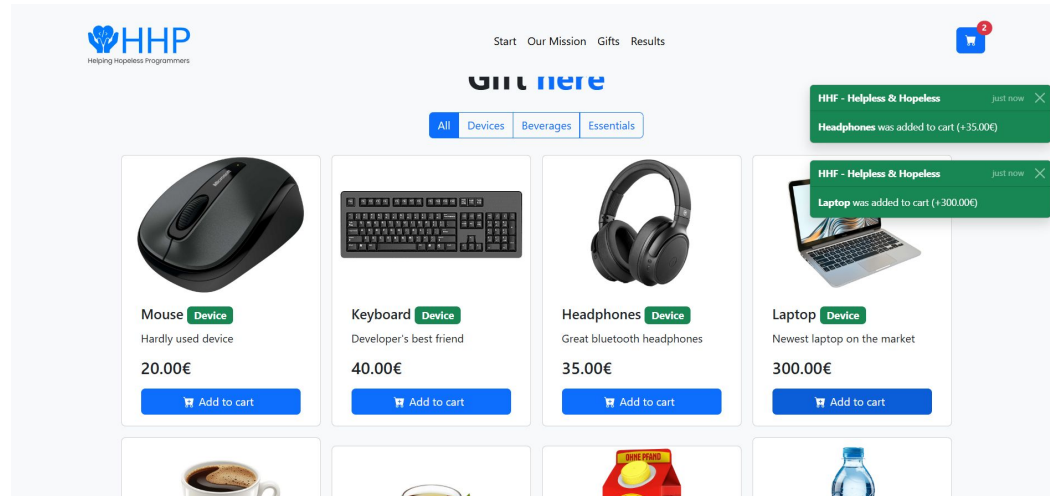
- For products to displayed I looped through each object in array, and also based on that I assigned some different styling using the switch condition
- For filtering I used the Bootstrap Button Group, and simple javascript functions that hide or show elements with certain classes that were given during the display

# IMPORTANT - Reusable code (DRY Code)

- addToCart(), removeFromCart(), showProducts(), toastMessage(name, price, type)
- addToCart() Logic > adds to cart[] if count of that item is 0, else increments quantity
- removeFromCart() Logic > removes from cart[] if quantity after decrementing of that item is 0, else decrements quantity
- BOTH of them trigger toastMessage(name, price, type), which based on the type it gets the background color, sign etc.
- BOTH of them trigger showProducts(), which automatically fills the checkout table and the confirmation table with product information and the Pricing details

# Add To Cart

- During the display, each button was given an onclick addToCart(with information parameters). I did not give the id only as I would do in PHP or other languages because it is a small projects and it is easier to retrieve data like this



# Add To Cart - Code Highlights





- There is an empty array `cart`, and `addToCart()` adds the object to that cart
- It checks if a product with that name exists, and if yes it only increments the quantity, if not it adds the product



# Cart

- When the cart is clicked, this Bootstrap Collapse slides in, and displays in form of list group the **Products** (image name, quantity, price, **Remove**), **Total Details** (price without VAT, VAT, Subtotal, if items $\geq$ 3: discount = 10%, Grand Total).
- Checkout Button** has a function to hide this body canvas and display the personal info

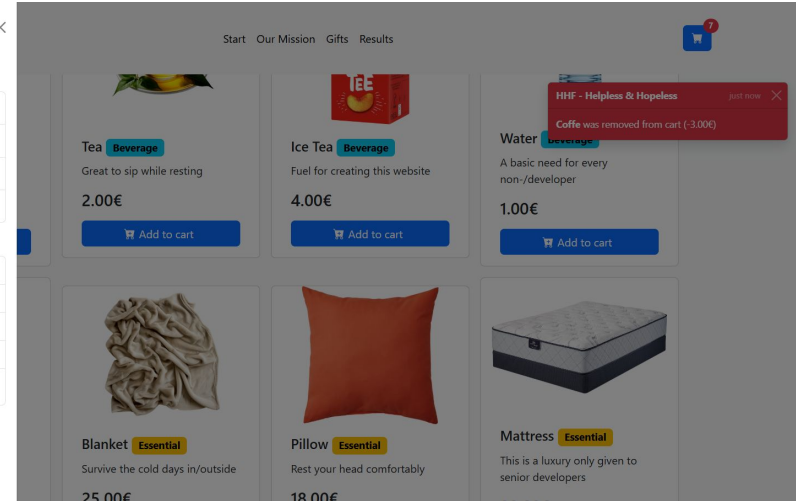
Checkout ×

Products		
 Keyboard	2 x 40.00€	<a href="#">Remove</a>
 Headphones	1 x 35.00€	<a href="#">Remove</a>
 Tea	2 x 2.00€	<a href="#">Remove</a>
 Coffee	2 x 3.00€	<a href="#">Remove</a>

Total details	
Price excl. VAT (-20%)	100.00€
VAT (20%)	25.00€
Subtotal	125.00€
Discount (10%)	12.50€
<b>Grand Total</b>	<b>112.50€</b>

[Checkout](#)

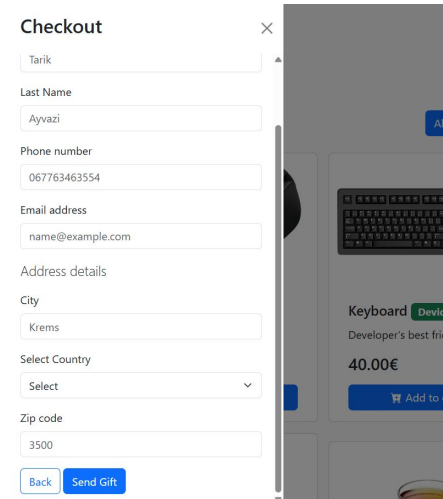


# Cart - Code Highlights

- The Total Details and the Checkout Button is added dynamically if `showProducts()` is triggered.
- `removeFromCart()` decrements quantity, if decremented `== 0`: it removes it
- The code below is `showProducts()` which is triggered in add and remove cart
- Loop through cart to display items
- Total is calculated by looping through items in `cart[]` and adding to it the `item.quantity * item.product_price`.
- Subtotal is just `0.8 * total` (20% Vat)
- VAT is `0.2 * total`
- Discount is 0 by default, if `item_count` is `>= 3` then it is 10
- `grandTotal` is calculated including the discount
- Then the list items are just appended to the main `<ul>`
- For the numbers i used `.toFixed(2)` for a more professional look

# Form

- When Checkout is clicked, we are redirected here. It is required that the fields must be filled with correct information and type of information. If we press back, we go to the cart details, if we press Send Gift, sendGift() is triggered
- sendGift() is meant to store the values of the inputs and open the modal for confirmation, since it cannot have bootstrap and custom function at once, I found parts of code which I tailored to my needs, and made the modal display manually, as well as the validation check



Checkout

Tarik

Last Name

Ayzazi

Phone number

067763463554

Email address

name@example.com

Address details

City

Krems

Select Country

Select

Zip code

3500

Back Send Gift

Keyboard Developer's best friend

40.00€

Add to

# Validation

- Bootstrap validations are included.
- The zipcode has maxlength="6" attribute so the input itself does not take more than 6 values.

### Checkout

×

Personal Information

Name

Tarik

✓

Last Name

Ayvazi

!

Please enter your last name.

Phone number

hello

!

Please enter a valid phone number.

Email address

tarik

!

Please enter a valid email address.

Address details

City

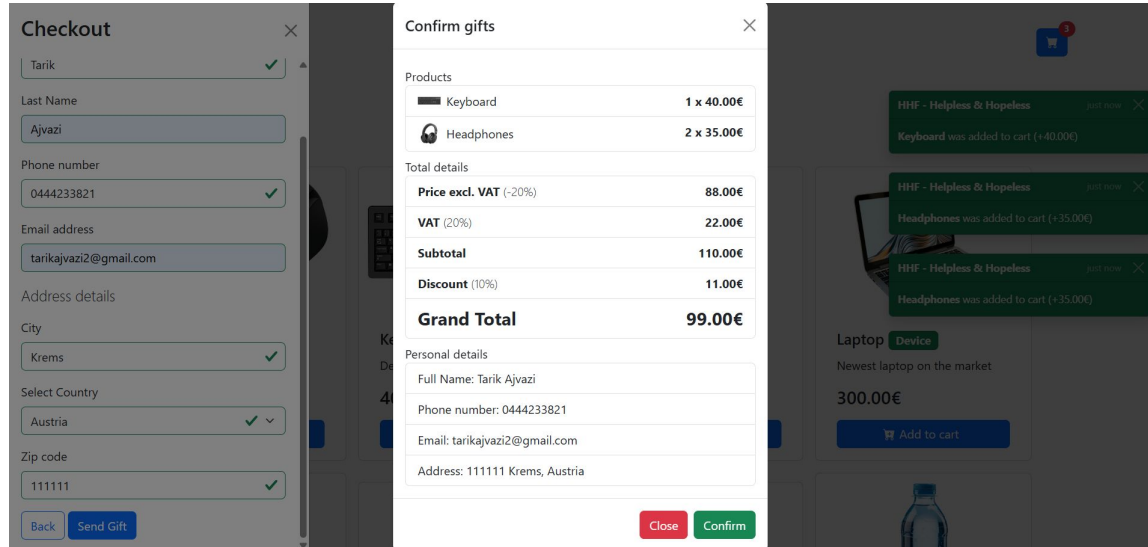
Krems

✓

Select Country

# Confirm

- Simply displays all of the information from the Cart details and the forms. Since `addToCart()` is a different function, it's local variables are not accessible globally, I filled the confirmation box with content when I add something to cart



**Checkout**

Tarik ✓

Last Name  
Ajvazi

Phone number  
0444233821 ✓

Email address  
tarikajvazi2@gmail.com

Address details

City  
Krems ✓

Select Country  
Austria ✓

Zip code  
11111 ✓

[Back](#) [Send Gift](#)

**Confirm gifts**

Products

Keyboard	1 x 40.00€
Headphones	2 x 35.00€

Total details

Price excl. VAT (-20%)	88.00€
VAT (20%)	22.00€
Subtotal	110.00€
Discount (10%)	11.00€
<b>Grand Total</b>	<b>99.00€</b>

Personal details

Full Name: Tarik Ajvazi

Phone number: 0444233821

Email: tarikajvazi2@gmail.com

Address: 11111 Krems, Austria

[Close](#) [Confirm](#)

HHP - Helpless & Hopeless  
Keyboard was added to cart (+40.00€)

HHP - Helpless & Hopeless  
Headphones was added to cart (+35.00€)

HHP - Helpless & Hopeless  
Headphones was added to cart (+35.00€)

Laptop **Device**  
Newest laptop on the market  
300.00€  
[Add to cart](#)

# Thank You

- After Confirm is clicked, it displays a thank you message, with a heart relative to your donation. (I just added 3 conditions in JS and changed the font size).
- There is a button saying See you again, which just redirects you to index.html (current page), but it refreshes the page so that the variables and everything is reset

