



# Front End Web Development II

## Final Project Report



# **LAMBTON COLLEGE-MISSISSAUGA**

A project report

Of

## **“Grocery Mart website”**

submitted in partial fulfillment of the requirements

for the degree of Postgraduate

In

**Full stack Software Development**

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Instructor of front-end web development- II

## **Introduction:**

Welcome to groceryMart, your one-stop destination for all your grocery needs! At groceryMart, we strive to provide a seamless and convenient shopping experience for our customers. We're committed to revolutionizing your shopping experience by offering a wide range of products conveniently categorized into vegetable, fruit, dairy, and bakery sections.

## **Main Page:**

As you enter our main page, you'll be greeted by an immersive carousel effect featuring the latest store flyers and promotions. Stay updated on the latest deals, discounts, and special offers by simply swiping through the carousel. Whether it's seasonal specials, limited-time promotions, or exclusive discounts, our carousel ensures you never miss out on incredible savings.

Below the carousel, another captivating carousel effect awaits, showcasing our most saleable products across various sections. From fresh produce to bakery delights, our carefully curated selection of bestsellers is sure to pique your interest. Explore popular items and discover new favorites with ease, thanks to the dynamic carousel display.

## **Save Button:**

We strive to elevate your online shopping experience. With the "Save" button, you can effortlessly create a personalized Wishlist or shopping list, ensuring that you never miss out on your favorite products.

## **Product Details Page:**

Clicking on any product image will lead you to its dedicated product details page. Here, you'll find comprehensive information about the selected item, along with a convenient shopping cart button. Feel free to explore additional details and features before adding the product to your cart.

## **Shopping Cart Functionality:**

Our intuitive shopping cart feature allows you to effortlessly manage your purchases. You can add products to your cart, remove items as needed, and perform other common operations related to your shopping experience. Whether you're stocking up on essentials or indulging in specialty items, our shopping cart ensures a smooth and hassle-free checkout process.

## **Order Page:**

When you place an order with groceryMart, you can easily track your order history right from the order page. Not only can you review your current order, but you'll also find your last two orders conveniently displayed for quick reference. This allows you to effortlessly reorder your favorite items and track your shopping habits over time.

## **Automatic Deletion of more than 3 orders history:**

To keep your view clutter-free and ensure relevance, groceryMart automatically removes your oldest order once a new order is placed after three orders. This ensures that you always have access to your most recent order history without being overwhelmed by outdated

information. Enjoy the convenience of seamless shopping and effortless reordering with groceryMart!

## **Responsive Design**

Responsive design is a critical aspect of the groceryMart project, ensuring that our platform provides a seamless and consistent user experience across various devices, including desktop computers, laptops, tablets, and smartphones.

## Technologies used:

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- **HTML:** Provides the structure and markup for content presentation.
  - **CSS:** Enhances visual presentation and layout through styles, colors, and typography.
  - **JavaScript:** Adds interactivity and dynamic functionality to features such as product carousels and interactive forms.
  - **Bootstrap:** Utilized for pre-designed components, layouts, and responsive design, ensuring compatibility across devices and browsers.
- 

**We implemented most of the things using JavaScript instead of any other language.**

## Software used:

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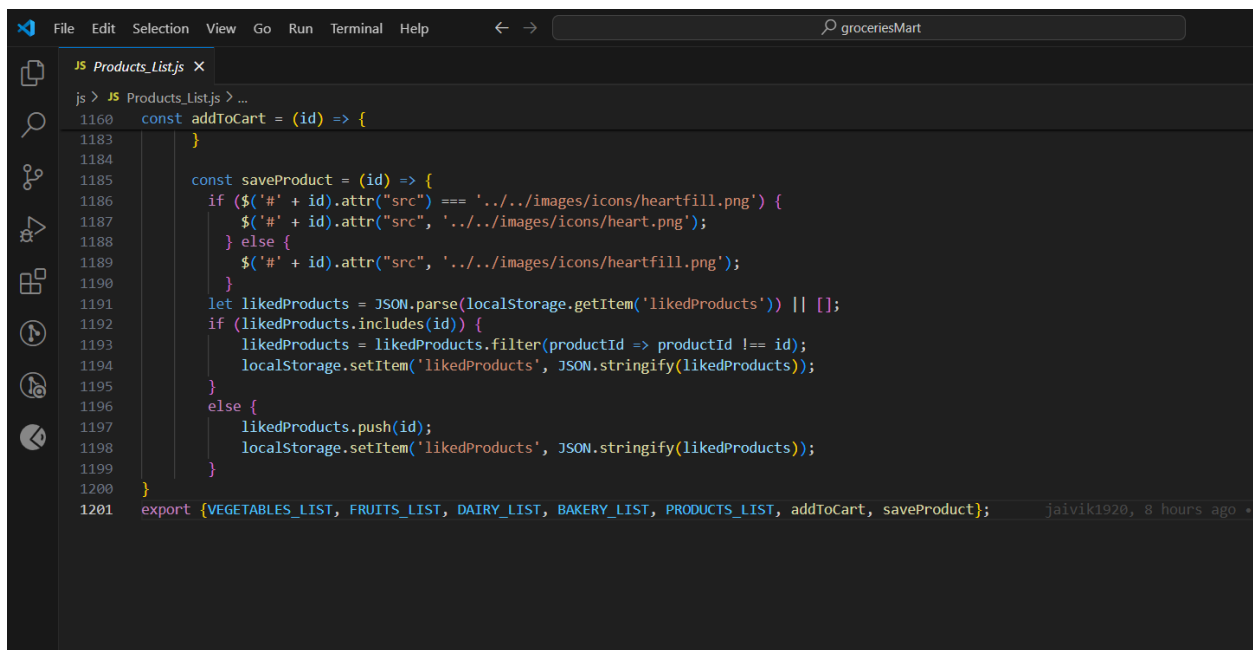
- **Photoshop:** Used for designing and editing graphics, images, and user interface elements to create visually appealing website layouts.
  - **Visual Studio:** A versatile integrated development environment (IDE) used for coding, debugging, and testing HTML, CSS, JavaScript, and other web development languages.
  - **GitHub:** A version control system used for collaborative development, code management, and project tracking. GitHub allows developers to work together seamlessly, and track changes made to the project codebase.
  - **Google Chrome:** A popular web browser used for testing and debugging the groceryMart website during development. Chrome's developer tools are invaluable for troubleshooting issues and ensuring cross-browser compatibility.
-

## Updates after presentation

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- We have integrated one separate file named Product\_List.js to save data of all products.
  - And we are exporting and importing in another file to use it.
  - Also, we have used addCart function in the same file and using it in multiple location.
  - This will reduce code repetition and increase overall performance of project.
- 

### Product\_List.js File



```
File Edit Selection View Go Run Terminal Help
js > JS Products_Listjs > ...
1160 const addToCart = (id) => {
1183 }
1184
1185 const saveProduct = (id) => {
1186   if ($('#' + id).attr("src") === '../images/icons/heartfill.png') {
1187     $('#' + id).attr("src", '../images/icons/heart.png');
1188   } else {
1189     $('#' + id).attr("src", '../images/icons/heartfill.png');
1190   }
1191   let likedProducts = JSON.parse(localStorage.getItem('likedProducts')) || [];
1192   if (likedProducts.includes(id)) {
1193     likedProducts = likedProducts.filter(productId => productId !== id);
1194     localStorage.setItem('likedProducts', JSON.stringify(likedProducts));
1195   } else {
1196     likedProducts.push(id);
1197     localStorage.setItem('likedProducts', JSON.stringify(likedProducts));
1198   }
1199 }
1200 }
1201 export {VEGETABLES_LIST, FRUITS_LIST, DAIRY_LIST, BAKERY_LIST, PRODUCTS_LIST, addToCart, saveProduct};
```

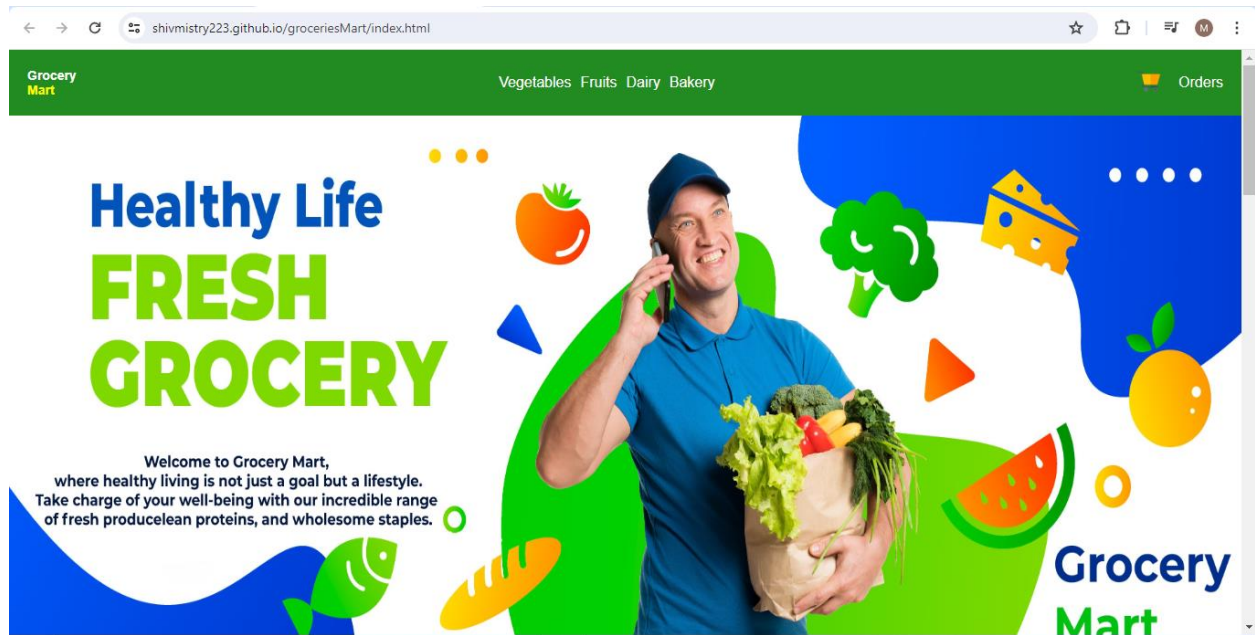
- Here, we can see that all constants and functions are being exported.
-

```
File Edit Selection View Go Run Terminal Help ← → groceriesMart

JS main.js
component > vegetables > js > JS main.js > document.addEventListener("DOMContentLoaded") callback
jaivik1920, 8 hours ago | 2 authors (Meet Patel and others)
1 import {VEGETABLES_LIST, addToCart, saveProduct} from '../../js/Products_List.js'
2
3 document.addEventListener("DOMContentLoaded", function() {
4   // Array of product objects
5
6   const productContainer = document.getElementById("product-container");
7
8   // Function to display product details
9   function displayProductDetails(product) {
10    // Create a modal or navigate to a new page to display product details
11    window.location.href = "productdetail.html?productId=" + encodeURIComponent(JSON.stringify({"id" : product.id}));
12  }
13
14  // Loop through products array and generate HTML for each product
15  VEGETABLES_LIST.forEach(product => {
16    const productDiv = document.createElement("div");
17    productDiv.classList.add("product");
18
19    const productImage = document.createElement("img");
20    productImage.src = product.image;
21    productImage.alt = "Product Image";
22    productImage.classList.add("product-image");
23
24    const productInfo = document.createElement("div");
```

## Grocery Mart


# Home Page





shivismistry223.github.io/groceriesMart/index.html

Grocery Mart Vegetables Fruits Dairy Bakery Orders



# Online Grocery Store

Welcome to our latest grocery flyer! At Grocery Mart, we're committed to providing you with the freshest and healthiest options to fuel your body and mind.

**Contact with us:**  
00 123 456 789





**50% off vegetables**

**Grocery Mart**

shivismistry223.github.io/groceriesMart/index.html

## Vegetables





[View All](#)

 <p><b>Carrots</b> \$\$1.98 each/lb <input type="text"/></p>	 <p><b>cabbage</b> \$\$2.98 per cluster/lb <input type="text"/></p>	 <p><b>Corn</b> \$3.98 per cluster/lb <input type="text"/></p>	 <p><b>Coriander</b> \$\$1.98 each/lb <input type="text"/></p>
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[Previous](#) [Next](#)

## Fruits


[View All](#)

			
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← → ↻ shivmistry223.github.io/groceriesMart/index.html ☆ 📄 🗒 M ⋮

Fruits


View All



Apple, Gala, Sold in singles, 0.13 - 0.18 kg  
\$0.98 each/lb

1


🛒



Healthy Market Organic Avocados  
\$5.98 per Bag/lb

1


🛒



Organic Banana, Sold in singles  
\$0.85 per piece/lb

1

🛒



Blackberries, 170 g  
\$4.98 per container/lb

1


🛒

Previous

Next

Dairy


View All



Sealtest Homogenized Milk 3.25 percent  
\$6.89/lb

1


🛒



Natrel Fine-filtered 2 percent Milk  
\$5.38/lb

1


🛒



Sealtest Buttermilk 1 percent  
\$2.47/lb

1

🛒



Gay Lea Salted Butter  
\$4.87/lb


1

🛒

← → ↻ shivmistry223.github.io/groceriesMart/index.html ☆ 📄 🗒 M ⋮

Dairy

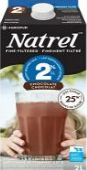
View All



Sealtest Homogenized Milk 3.25 percent  
\$6.89/lb

1


🛒



Natrel Fine-filtered 2 percent Milk  
\$5.38/lb

1


🛒



Sealtest Buttermilk 1 percent  
\$2.47/lb

1

🛒



Gay Lea Salted Butter  
\$4.87/lb

1


🛒

Previous

Next

Bakery


View All



White Blanc  
\$3.99/lb

1


🛒



White Blanc  
\$3.99/lb

1


🛒



White Blanc  
\$3.99/lb

1

🛒




White Blanc  
\$3.99/lb

1

🛒

## Bakery

[View All](#)




**Your Fresh Market All Butter Croissants**  
\$4.97/lb



**White Blanc Wonder**  
Sliced Bread  
Tranche Épaisse  
675g  
\$2.97/lb



**Dempster's® White Sliced Bread**  
\$3.57/lb



**CHIPS AHOY! Chocolate Chip Cookies**  
\$3.48/lb

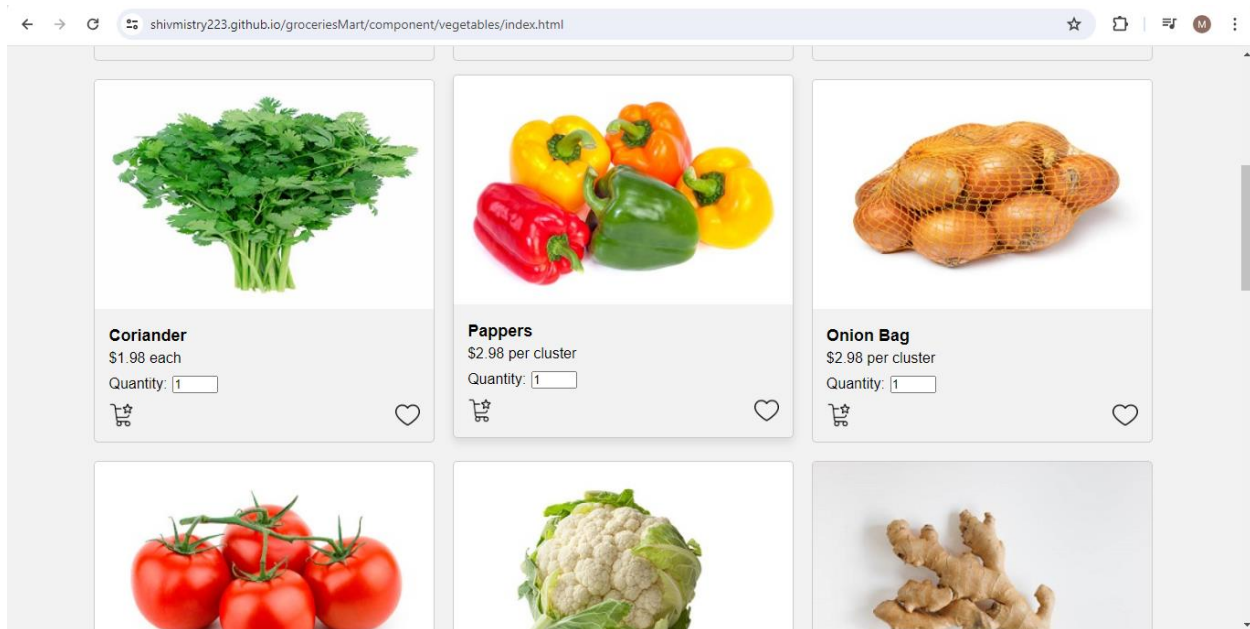
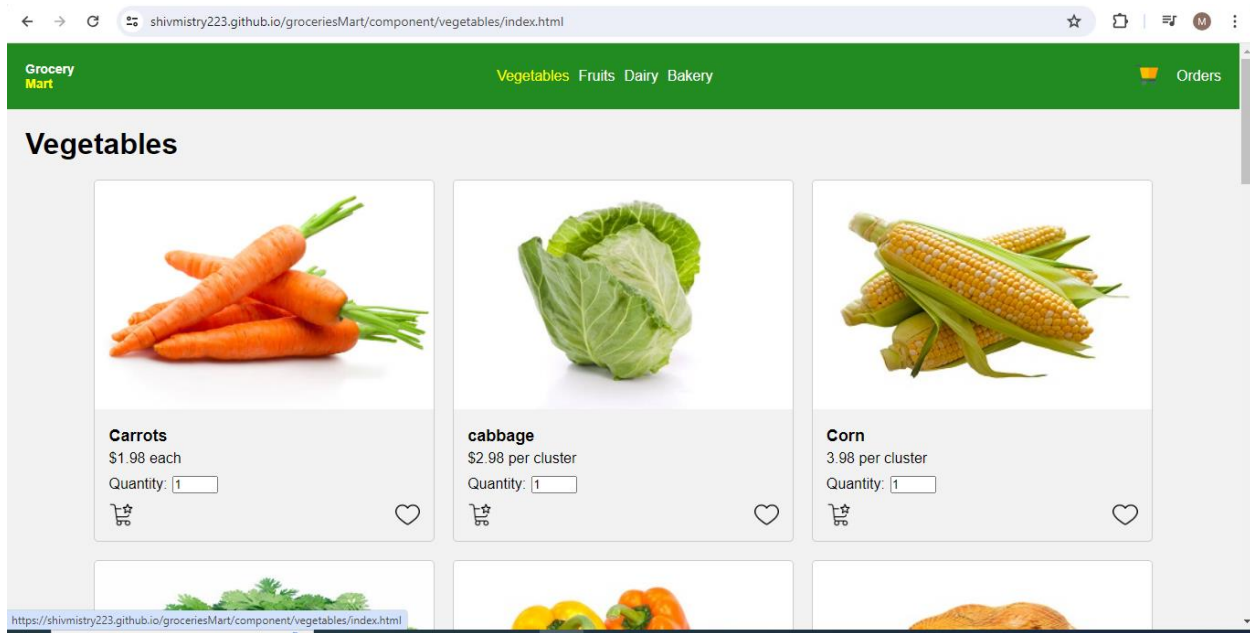
[Previous](#)

[Next](#)

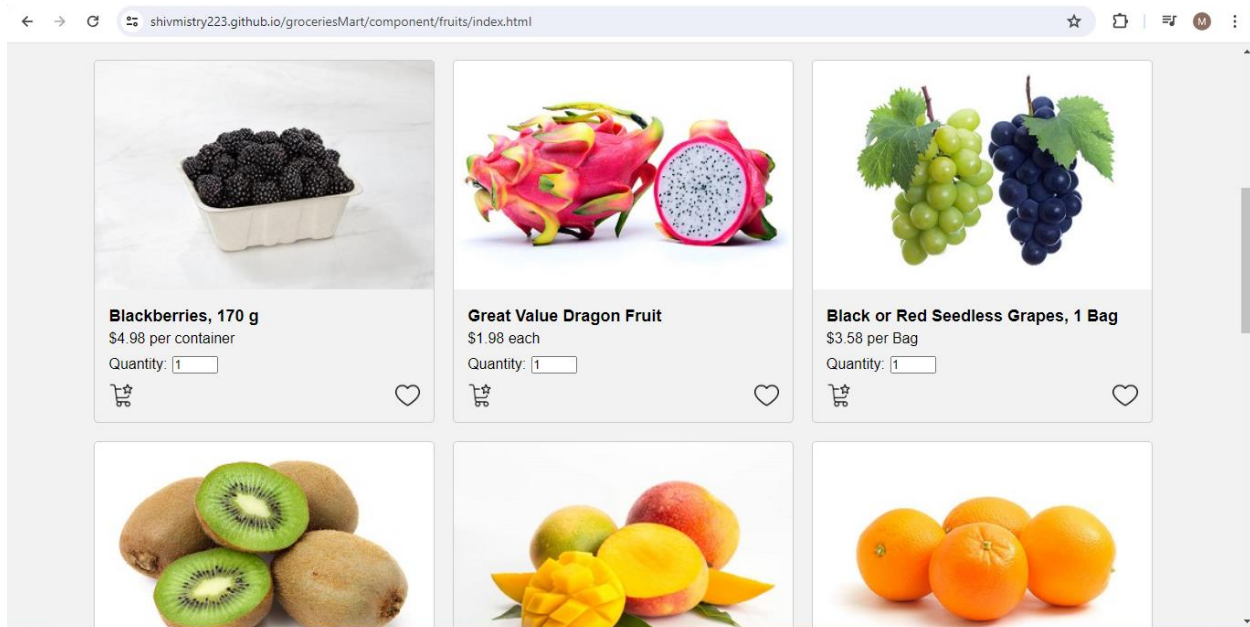
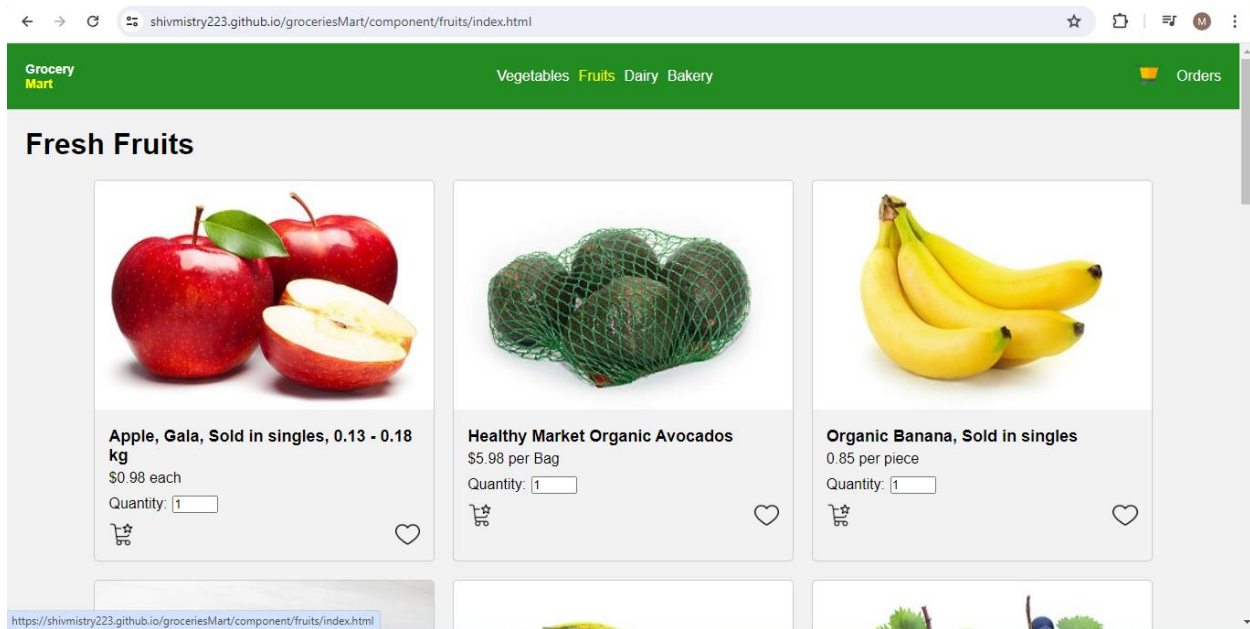
**GroceryMart**

[Vegetables](#) [Fruits](#) [Dairy](#) [Bakery](#)

# Vegetable Section



# Fruit Section





# Dairy Section

Dairy-Section

shivmistry223.github.io/groceriesMart/component/dairy/index.html


☆ 📄 🗑️ M ⋮

Grocery Mart


Vegetables Fruits Dairy Bakery

🛒 Orders


## Dairy Products




**Sealtest Homogenized Milk 3.25 percent**  
\$6.89  
Quantity:   
🛒 ❤️



**Natrel Fine-filtered 2 percent Milk**  
\$5.38  
Quantity:   
🛒 ❤️



**Sealtest Buttermilk 1 percent**  
\$2.47  
Quantity:   
🛒 ❤️



Type here to search


11°C Windy 2:52 PM 4/13/2024

Dairy-Section


shivmistry223.github.io/groceriesMart/component/dairy/index.html

☆ 📄 🗑️ M ⋮


Quantity:   
🛒 ❤️




**Gay Lea Salted Butter**  
\$4.87  
Quantity:   
🛒 ❤️





**Great Value Unsalted Butter**  
\$5.48  
Quantity:   
🛒 ❤️



**Brar's Malai Paneer**  
\$5.97  
Quantity:   
🛒 ❤️



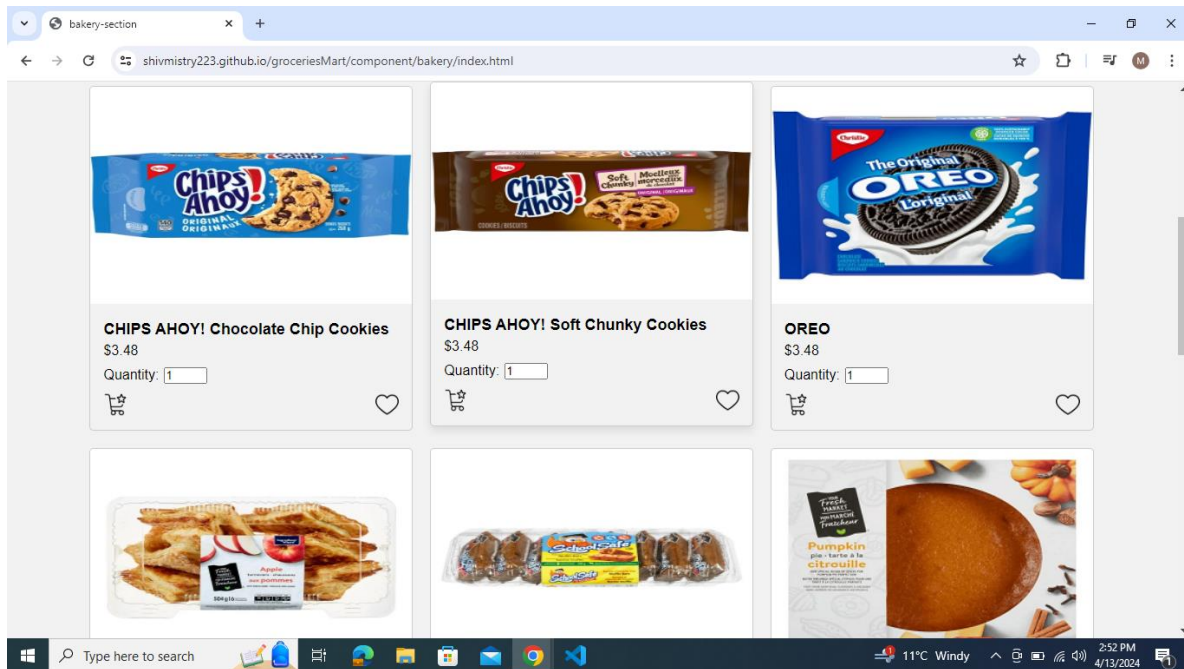
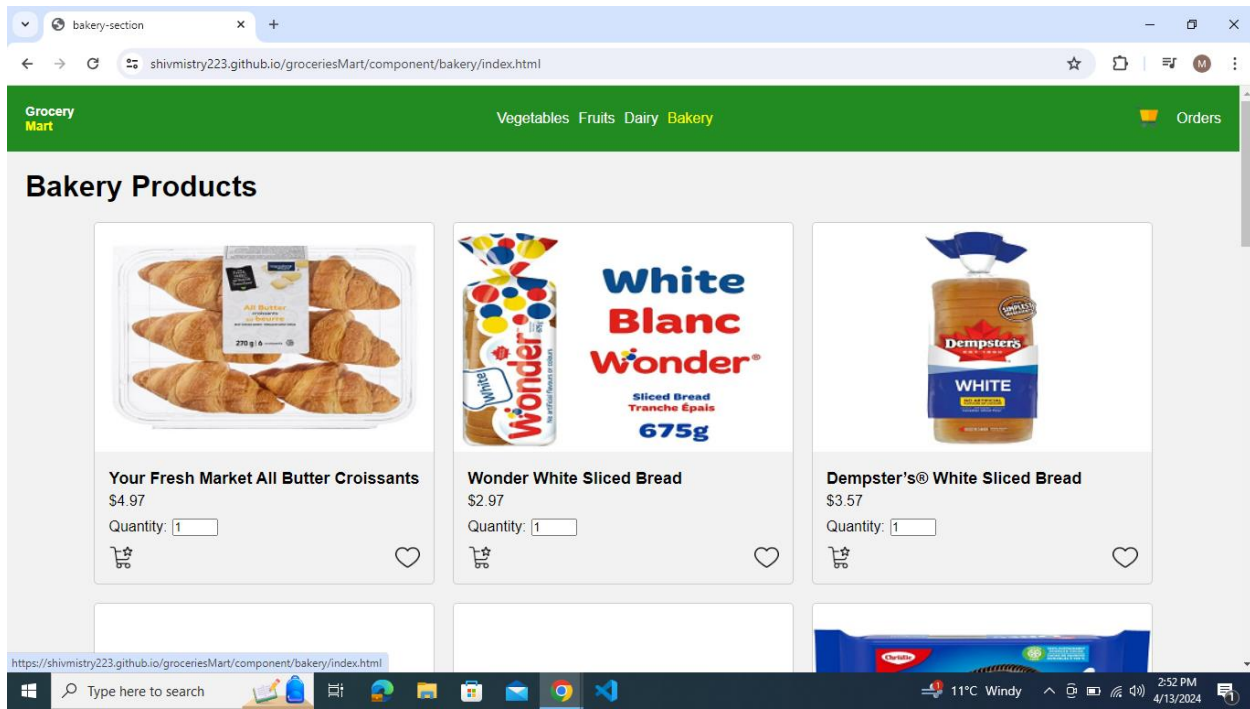




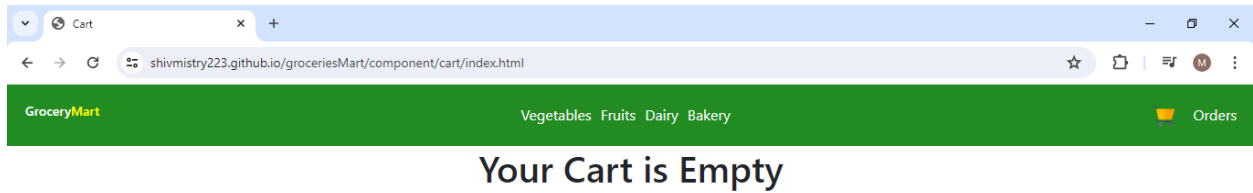
Type here to search

11°C Windy 2:52 PM 4/13/2024

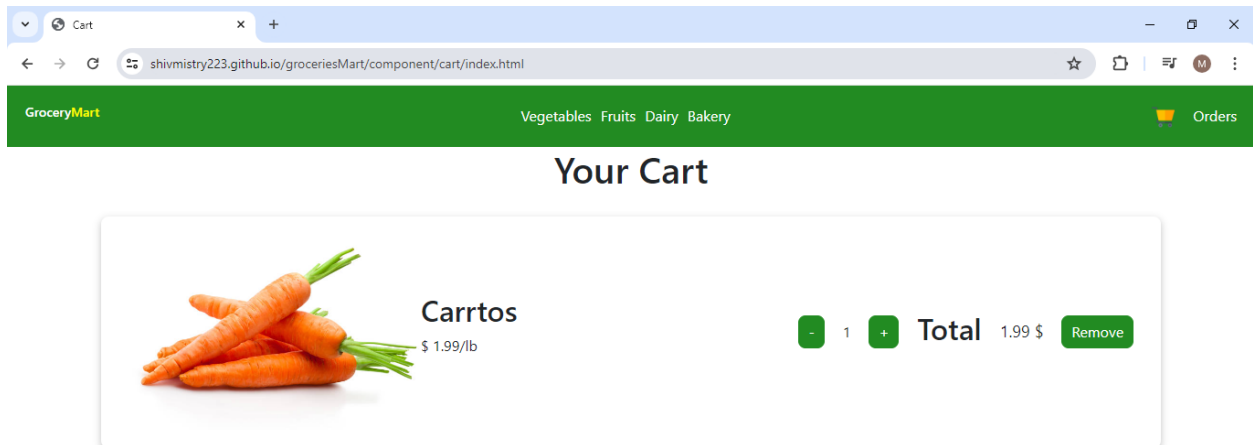
# Bakery Section



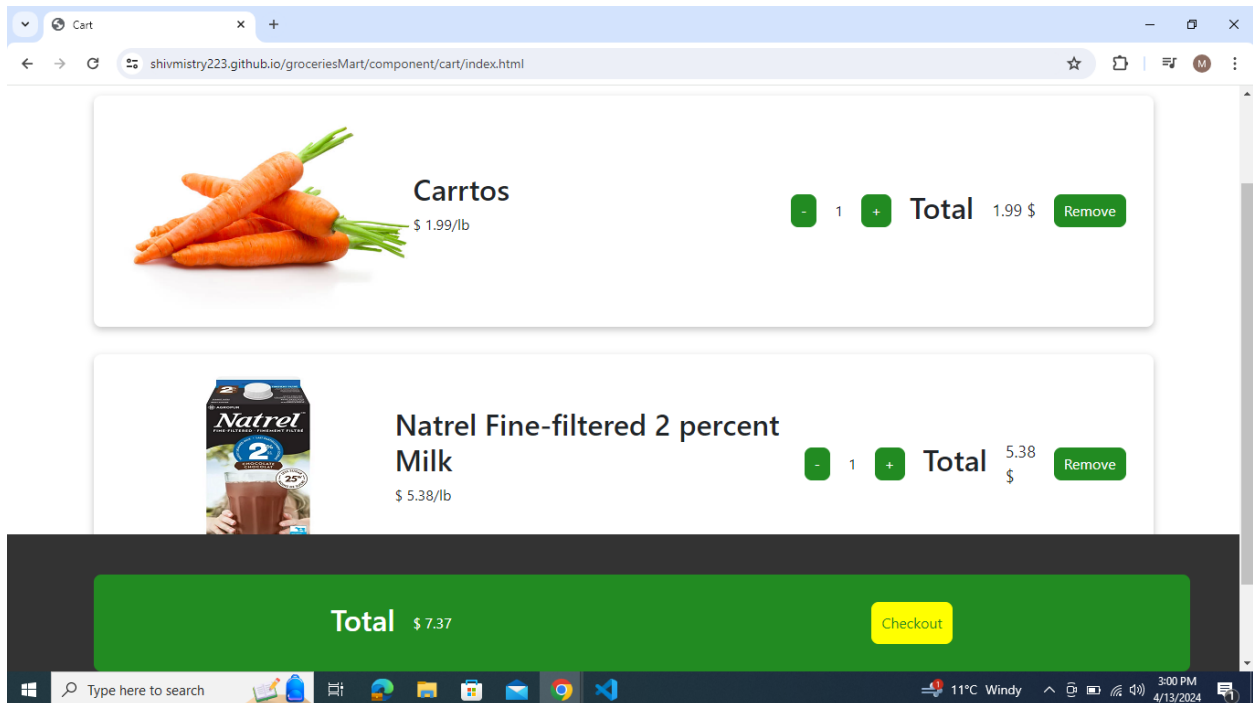
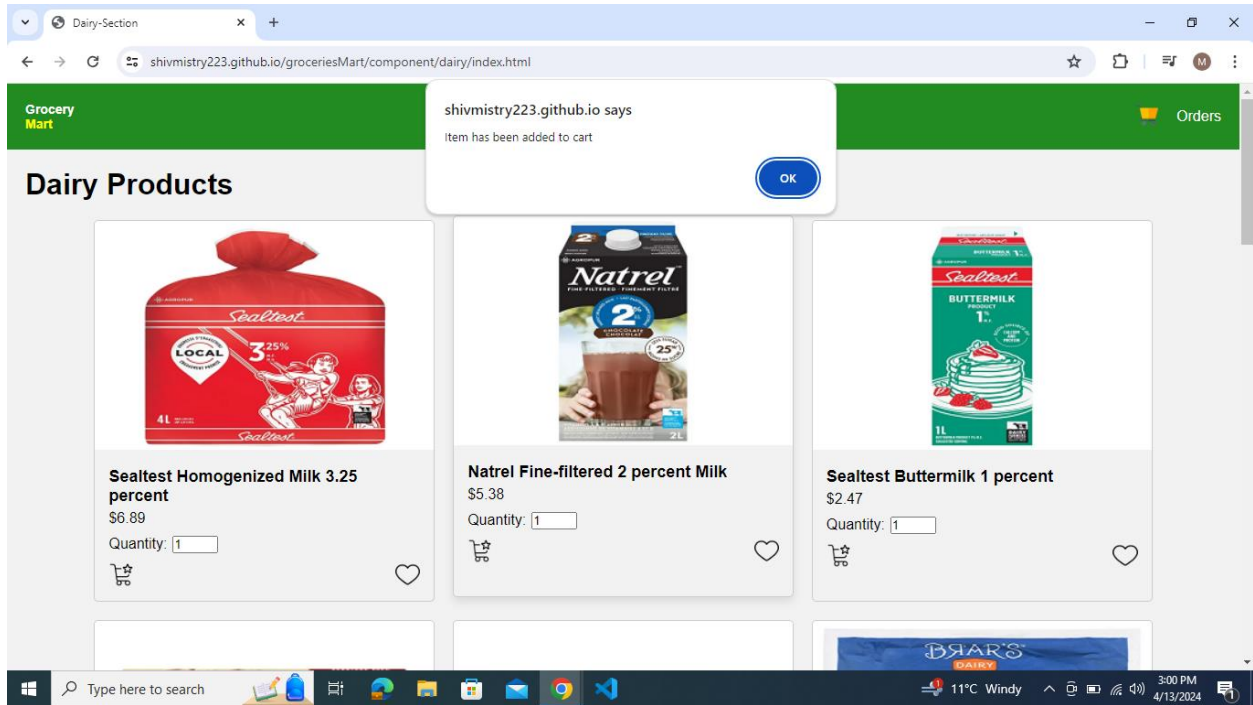
# Cart At Initial



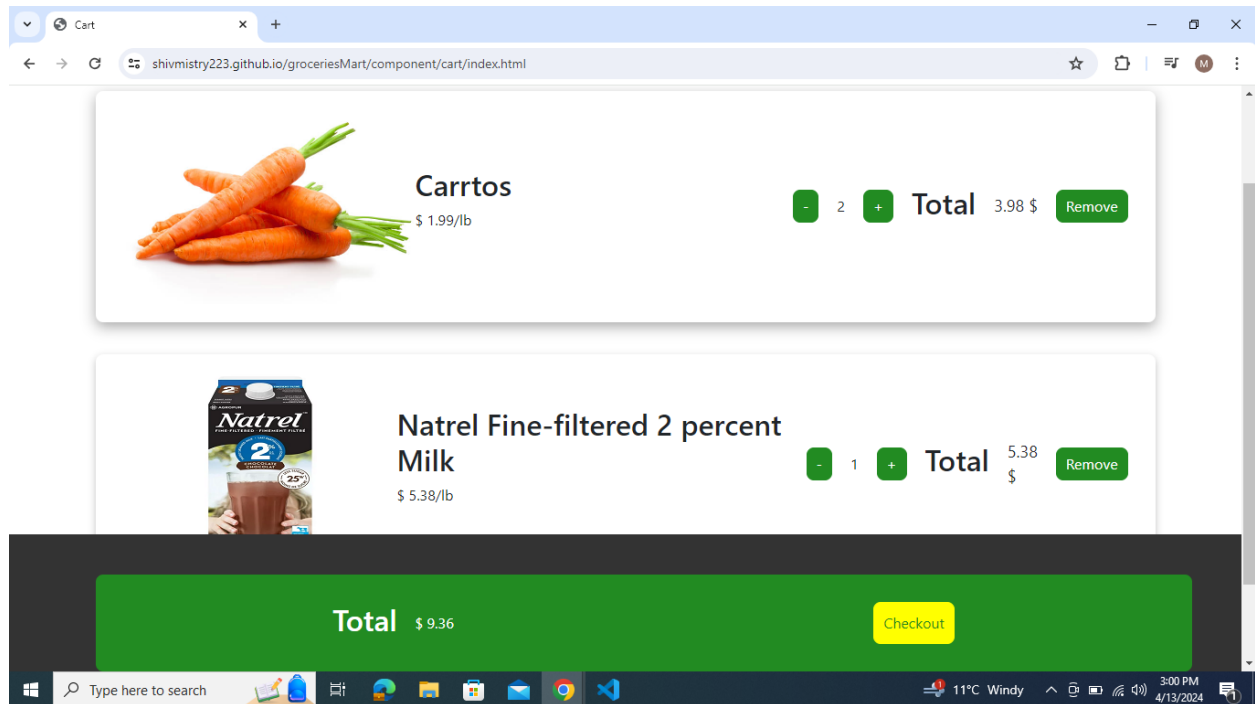
## We can add items to the cart.



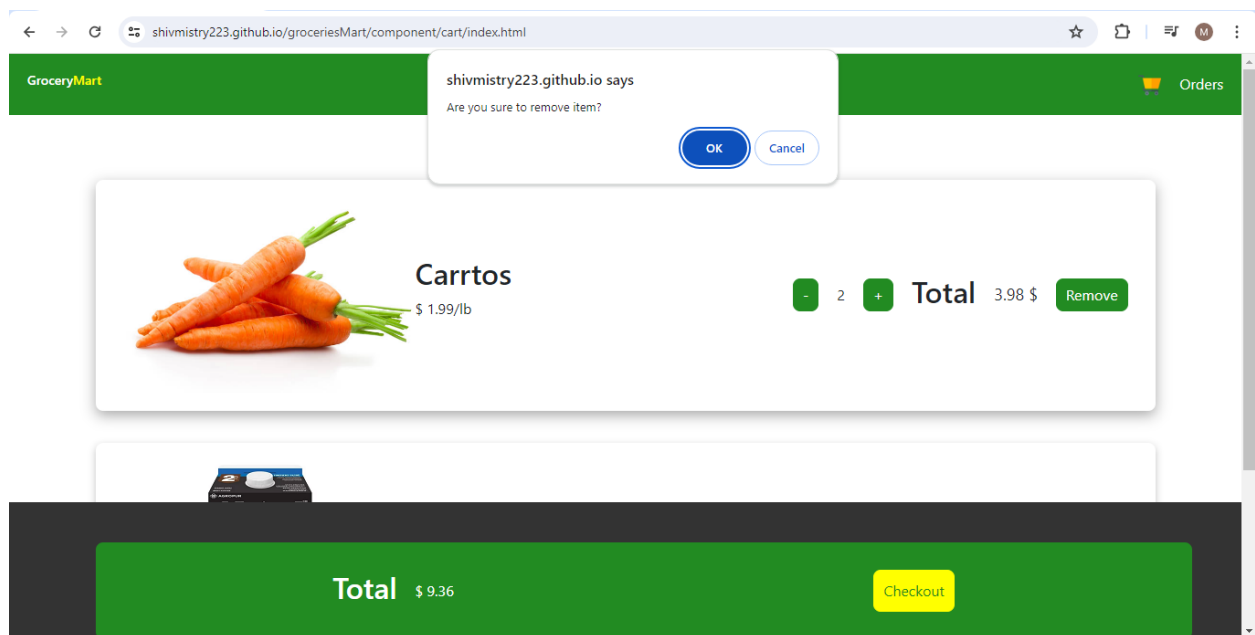


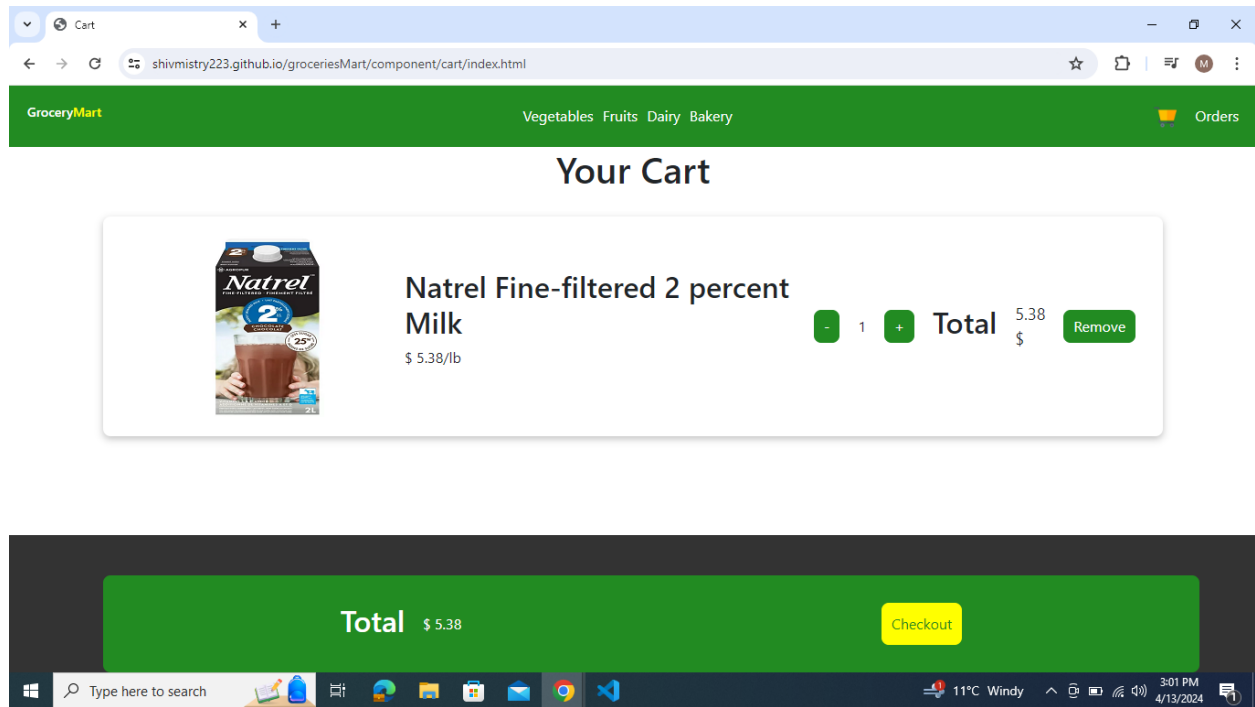


**We can also increase the quantity of items in the cart.**

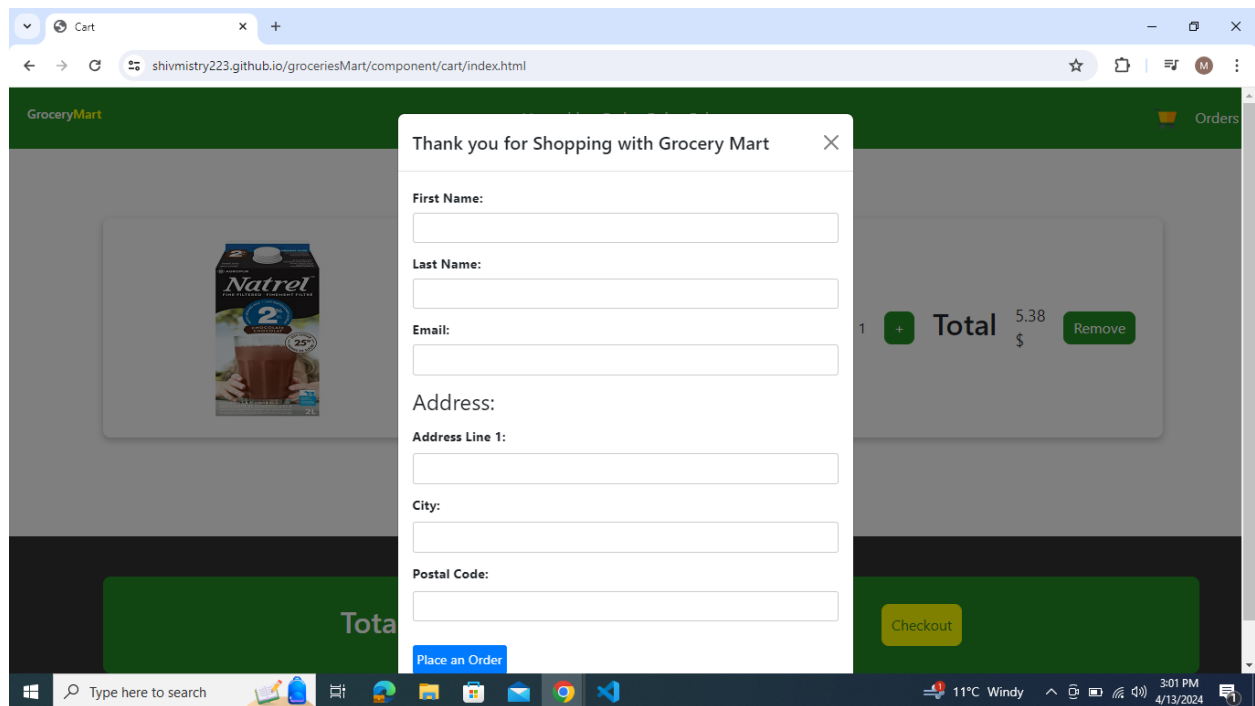


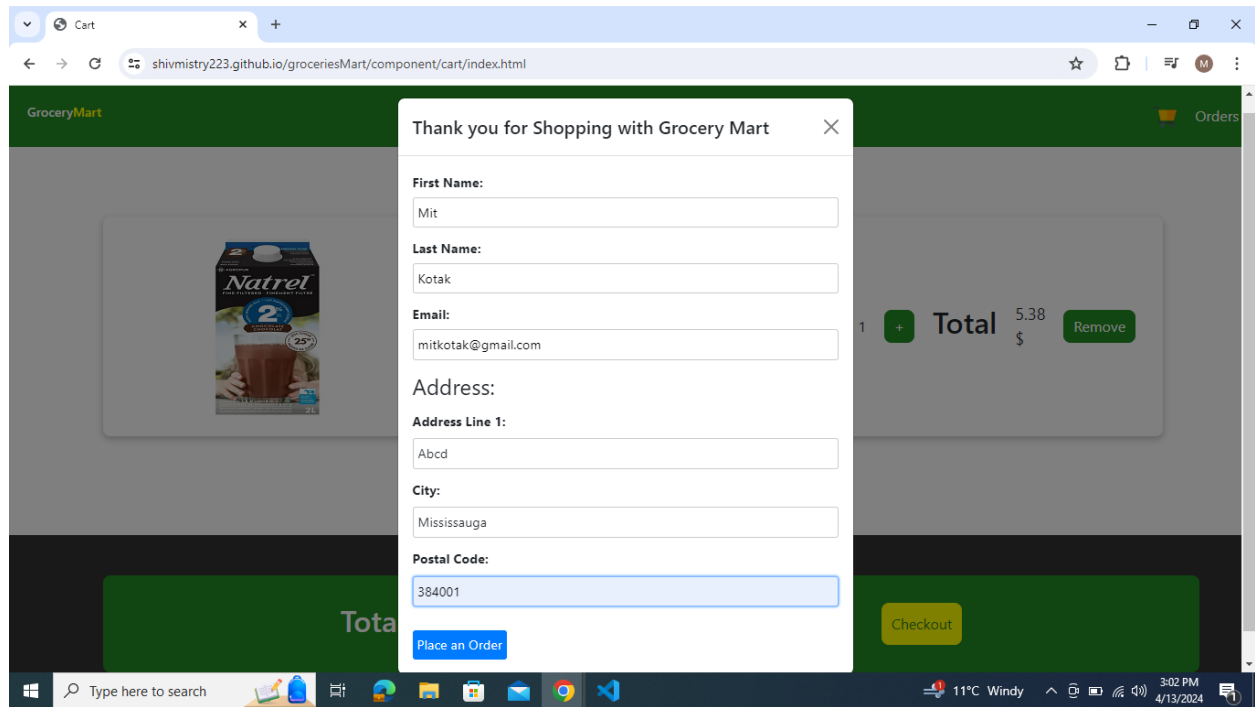
**We can remove the item using the remove button in the cart.**



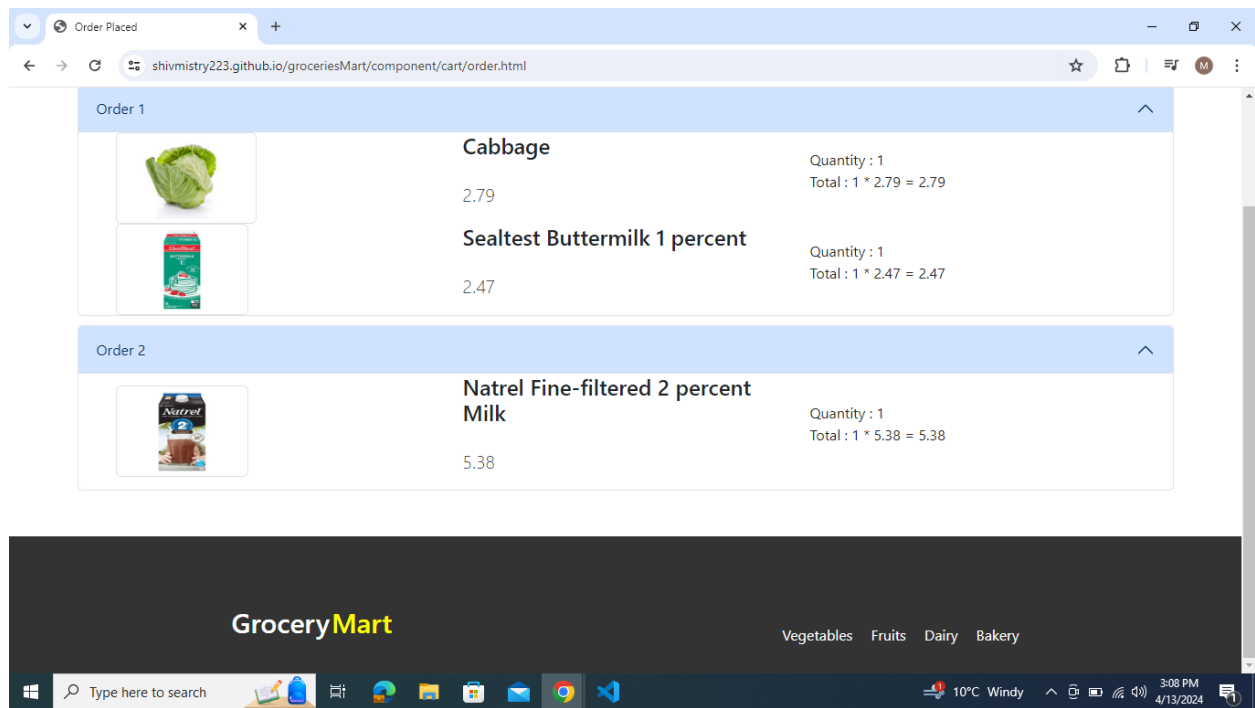


**After checking out this screen will pop up.**





And then you can see your order in the order section.



## Save and Unsaved product using symbol:


2024W-T2\_CSD x Complete\_Proje x C# Properties (C x W3Schools Tryit x Job Search Can x WhatsApp x Vegetables x + -


https://shivmistry223.github.io/groceriesMart/component/vegetables/index.html ☆ ⬇ 👤 ⋮


Gmail YouTube Maps Forward Fitness Clu... All Bookmarks


**Grocery Mart** Vegetables Fruits Dairy Bakery Orders


### Vegetables




**Carrots**  
\$1.98 each  
Quantity:   
🛒 



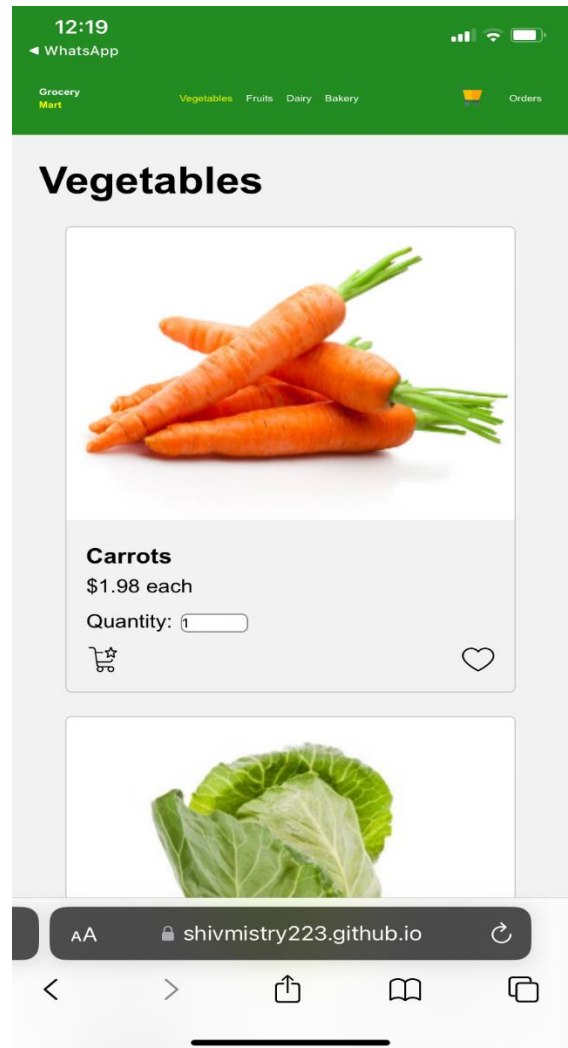
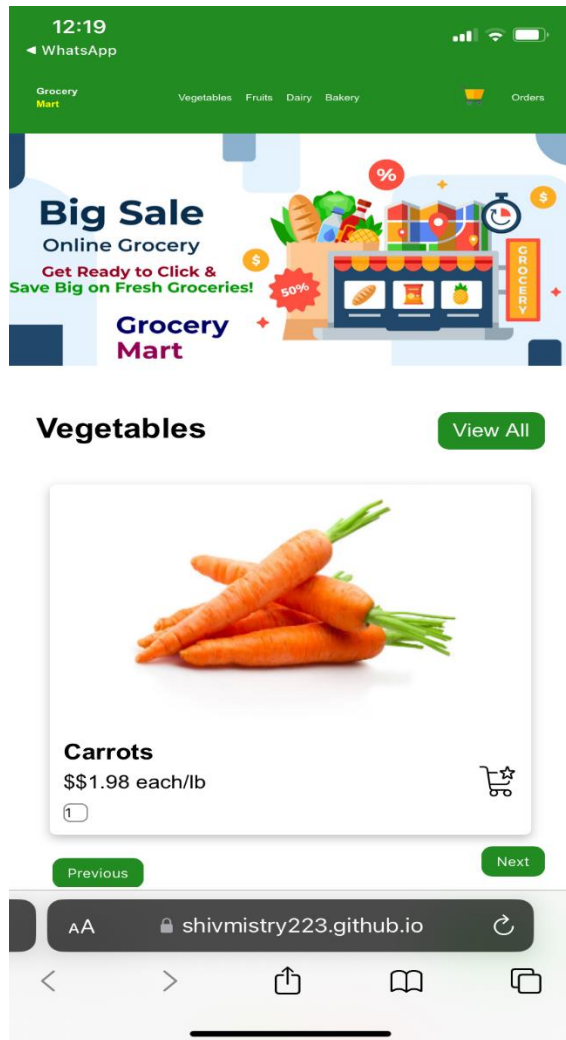
**cabbage**  
\$2.98 per cluster  
Quantity:   
🛒 

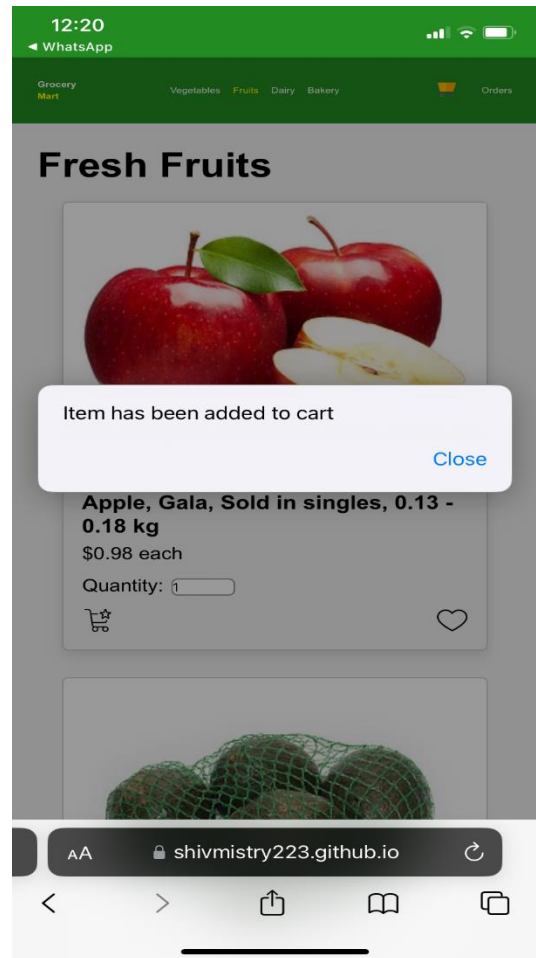
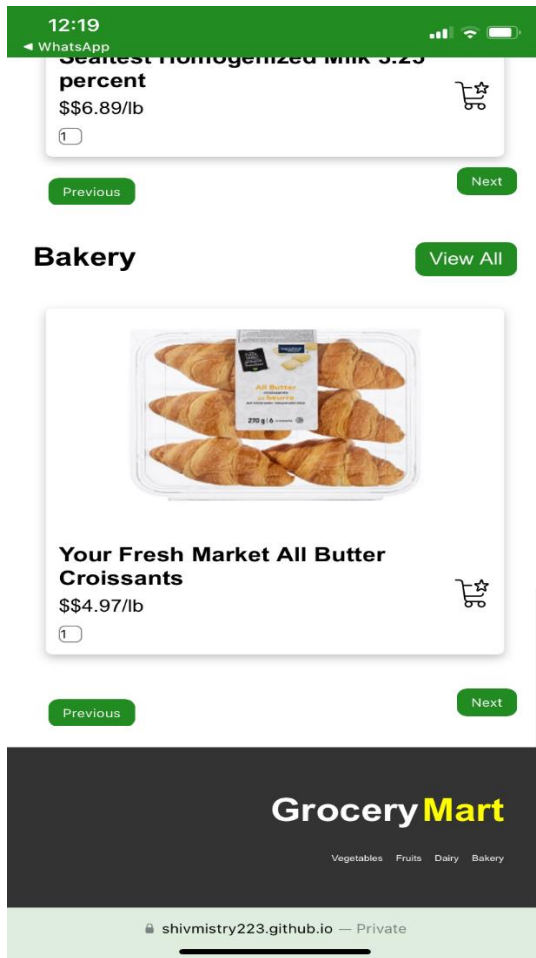


**Corn**  
3.98 per cluster  
Quantity:   
🛒 

Windows Type here to search 14°C Sunny 12:30 PM 2024-04-15

## Mobile View:





12:20

WhatsApp

Vegetables Fruits Dairy Bakery

Thank you for Shopping with Grocery Mart

First Name:

Last Name:

Email:

Address:

Address Line 1:

City:

Postal Code:

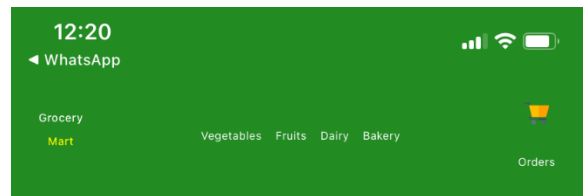
Place an Order

Grocery Mart

Total \$ 1.59


Checkout

shivmistry223.github.io — Private



## Your Orders:

Order 1

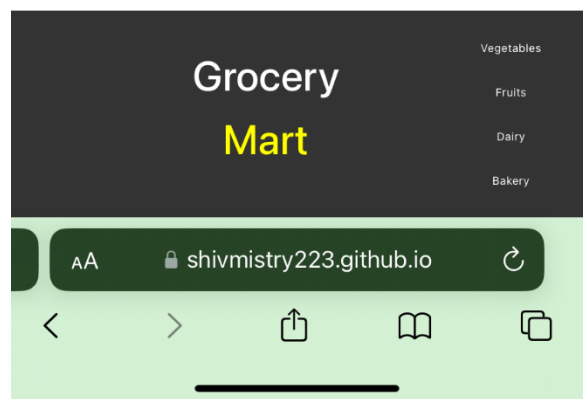


Gala Apple

1.59

Quantity : 1

Total : 1 \* 1.59 = 1.59





**Link to visit our website:**

**[https://shivmistry223.github.io/groceries  
Mart/index.html](https://shivmistry223.github.io/groceriesMart/index.html)**

**Thanks!**