Star Organic Farm Documentation.

Group Members

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Student1421069 ADUNMOYE PETER OLAOLUWAPO

Project Duration

Start-date: 05-Oct-2023

End-date: 20-Oct-2023

Acknowledgment

At Star Organic Farm, we humbly acknowledge the exceptional individuals whose unwavering support and unwavering belief in our mission have been the catalysts of our extraordinary journey.

We extend our profound appreciation to Mr. Obed Jonathan, a luminary guide whose sagacious counsel and unparalleled expertise have not only illuminated our path but also sparked the flames of creativity and technical ingenuity.

Our devoted staff members, the very pillars of Star Organic Farm, have exemplified unwavering commitment, unceasing encouragement, and an unshakeable belief in our capabilities. Their dedication to nurturing talent and cultivating innovation has indelibly enriched our progress.

This acknowledgment is a celebration of more than just individuals; it embodies the zenith of collaboration and the art of teamwork. It stands as a testament to the boundless achievements that transpire when kindred spirits unite under a shared vision, armed with unyielding determination.

We are immensely grateful for the collaborative spirit and harmonious teamwork that have breathed life into Star Organic Farm. Our journey is an open road, and we are poised to reach even loftier summits, fortified by the steadfast support and encouragement of our mentors, institution, and the dedication of our team members.

As you traverse the realms of Star Organic Farm, may you relish the bountiful fruits of our collective labor. We extend our deepest gratitude for your profound impact on our story.

Yours Faithfully,

Student1452967 AKALONU GRACIOUS CHIOMA

Student1444500 ADEDOKUN RIDWAN ALABI

Student1421069 ADUNMOYE PETER OLAOLUWAPO

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PROBLEM STATEMENT

Star Organic Farms boasts an impressive collection of organic goods, spanning from nutritious cereals, pulses, and spices to cooking oils, fruit pulps, agro-products, oils, wheat and wheat flour, rice, and related items. However, the company currently lacks a digital presence to adequately display and promote these products, making it challenging to reach and engage with a global customer base.

This platform will serve as a comprehensive digital storefront, allowing the company to effortlessly showcase its wide range of organic offerings. The website will empower customers globally to explore, learn about, and make informed choices when purchasing these high-quality organic products. It will be a vital tool for the company to expand its market reach, enhance customer satisfaction, and streamline the process of showcasing and selling their diverse range of goods.

This digital transformation promises to expand the company's market reach, enhance customer satisfaction, and establish a strong online presence in the global organic products market. Our aim is to facilitate this exciting journey towards a thriving and sustainable future for Star Organic Farms.

INTRODUCTION

In the vibrant tapestry of agriculture, Star Organic Farm was sown as a seed of innovation back in 1988. Since its inception, this illustrious company has passionately traversed the globe's markets, nurturing and crafting a diverse spectrum of Organic Products and spices.

Within our abundant treasure trove of offerings, you'll discover a world of flavors and nourishment. Nutrient-rich cereals, aromatic Pulses, a symphony of Spices and Condiments, pristine Cooking Oils, luscious Fruit Pulps, and a cornucopia of Agro Products, Oils, Wheat, Wheat Flour, Rice, and Rice derivatives await to tantalize your senses.

Our journey is a dedication to authenticity, sustainability, and the bounties of Mother Earth. Every harvest we bring to your table is a celebration of nature's abundance and the tireless efforts of our dedicated team.

TECHNOLOGY REQUIREMENTS

Hardware

- A minimum computer system that will help you access all the tools in the courses is a Pentium 166 or better
- 64 Megabytes of RAM or better

Software

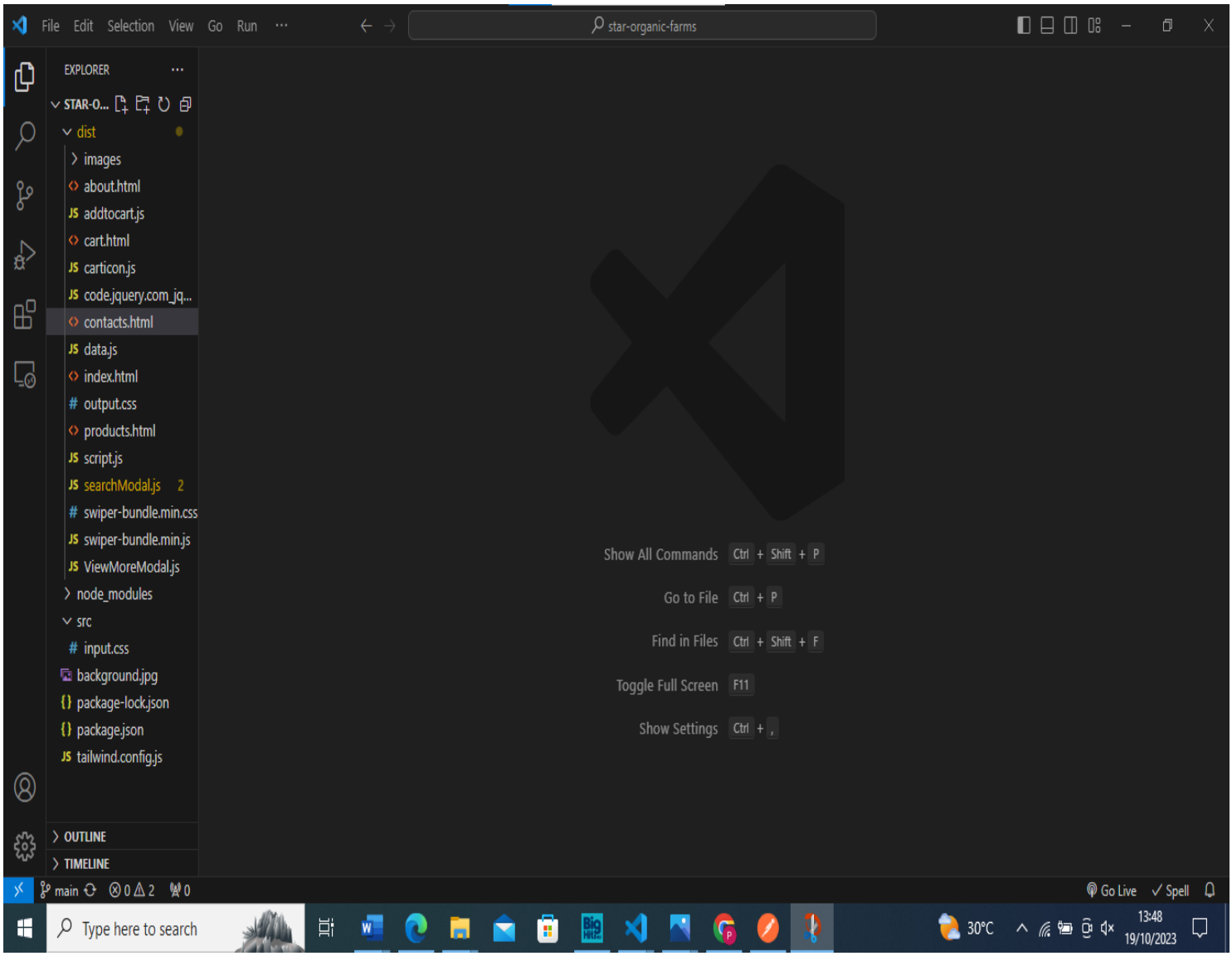
- Notepad/HTML editor
- Dreamweaver
- IE 5.0/ Netscape 6.0

PROJECT STRUCTURE

The file structure for our project as shown in the picture below includes:

- A Dist folder: This folder contains the images folder and every other file in our project such as the '.html' file, and '.js' files used.
- A node Modules Folder: This contains the node modules for the project.
- An Src Folder folder: This contains the input.css file which has some default stylings.
- A package-lock.json file

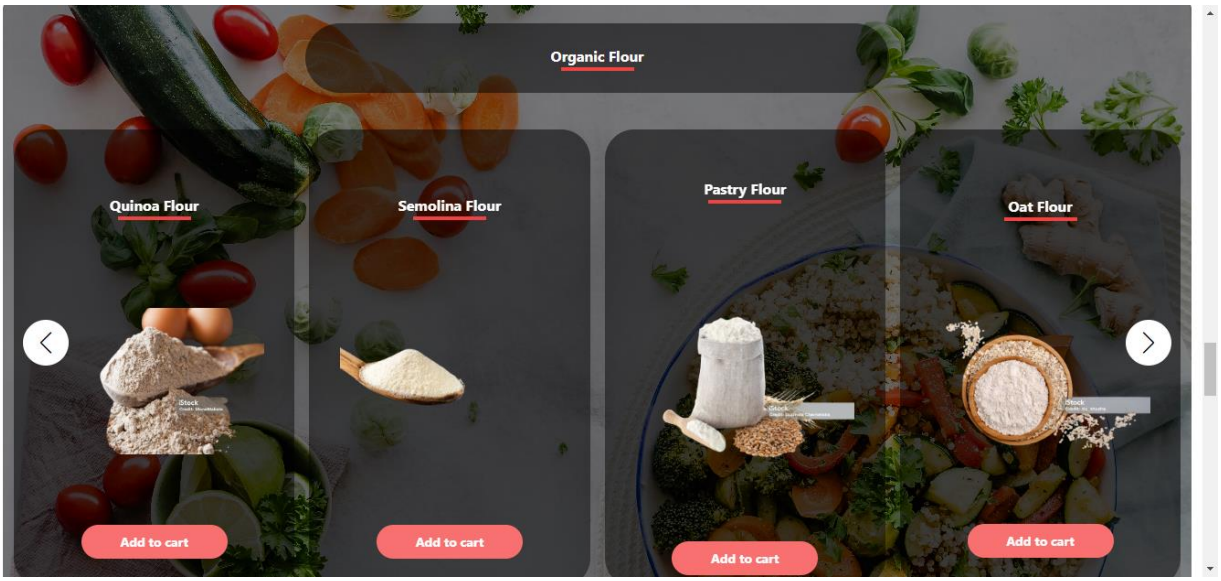
- A package.json fie
- A tailwind.config.js file



FEATURES

In a bid to create a user-friendly, informative, and technologically robust platform that showcases organic products while enhancing the shopping experience for users, our star-organic-farm website has some special features which are discussed below:

1. **Product Categorization**: Every product in the product section is categorized into several sections which aids easy search. The categories include cereal category, protein category, fruits category, organic-oils category, organic flour category. Here is a pictorial representation of the categories.



Organic Oils

Avogado Oil

Add to cart

Sesame Oil

Add to cart

Grape-Seed Oil

Add to cart

Corn Oil

Add to cart

Fruits

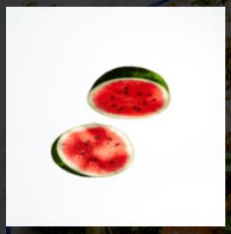
Pineapple

Add to cart

Strawberries

Add to cart

Water Melon



Add to cart

Apple

Add to cart

Spices

Nutmeg

Add to cart

Cinnamon

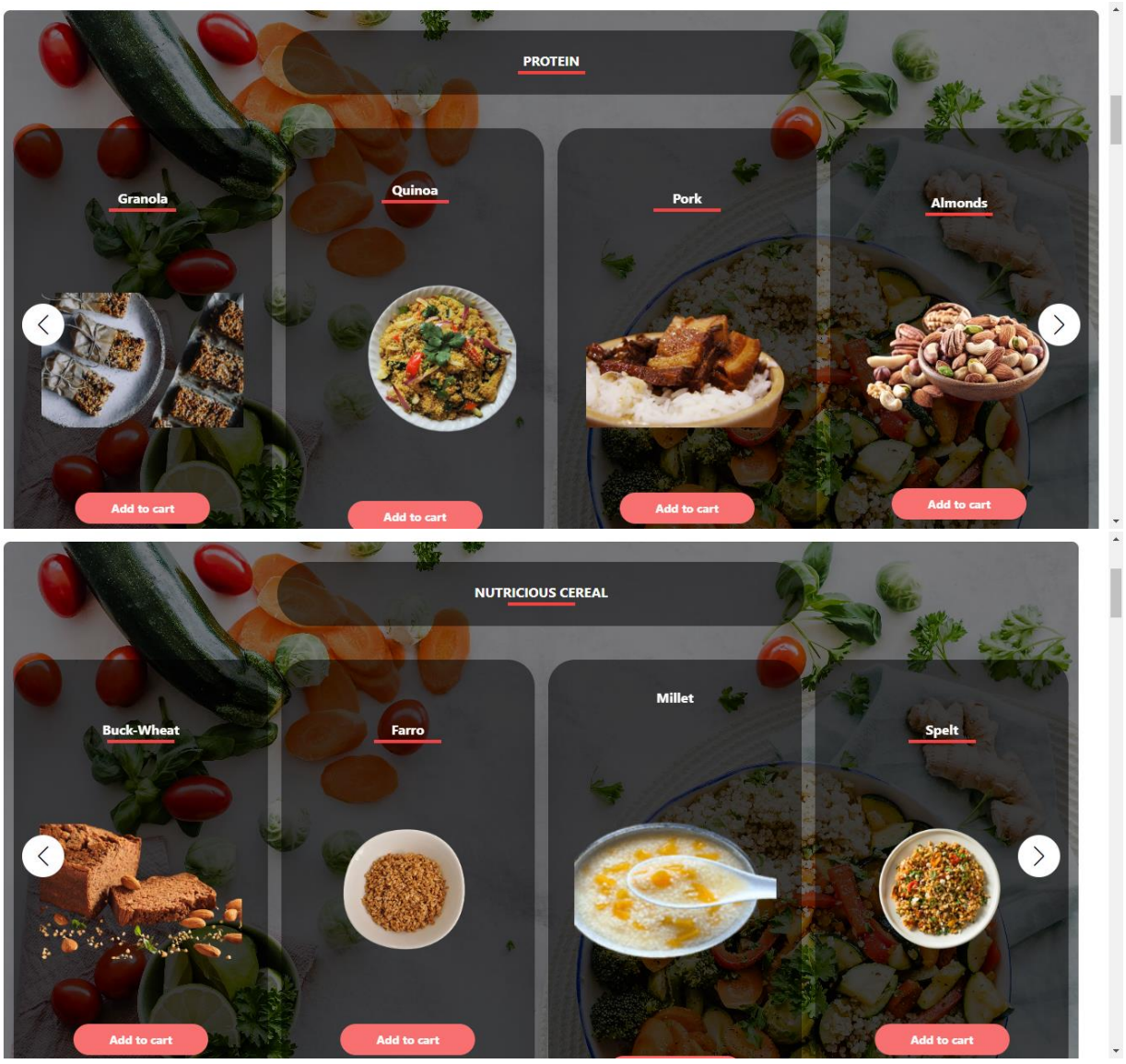
Add to cart

Cumin

Add to cart

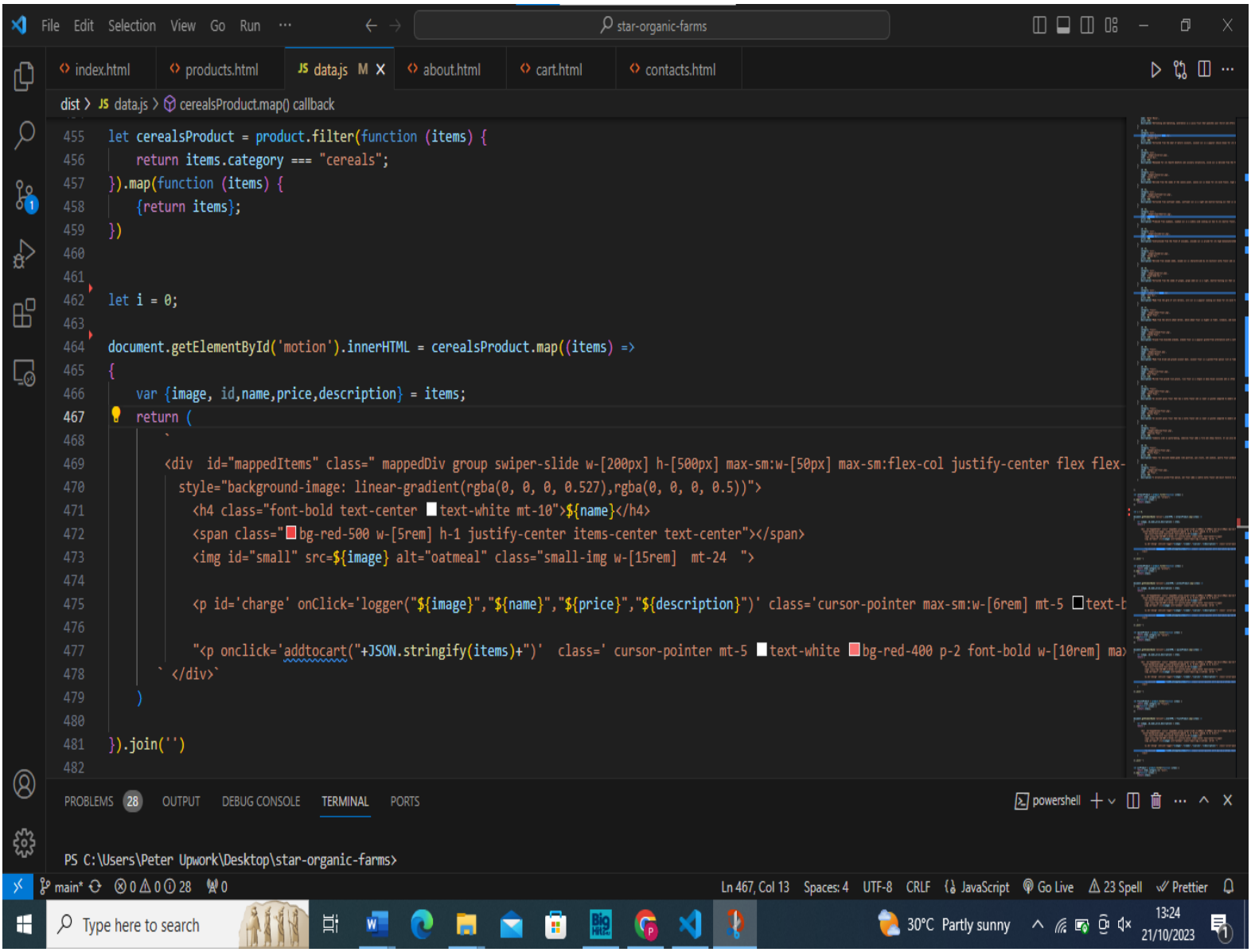
Oregano

Add to cart



As seen above each category is placed in a slider so as to enable ease of navigation and a complete display of all items in the category.

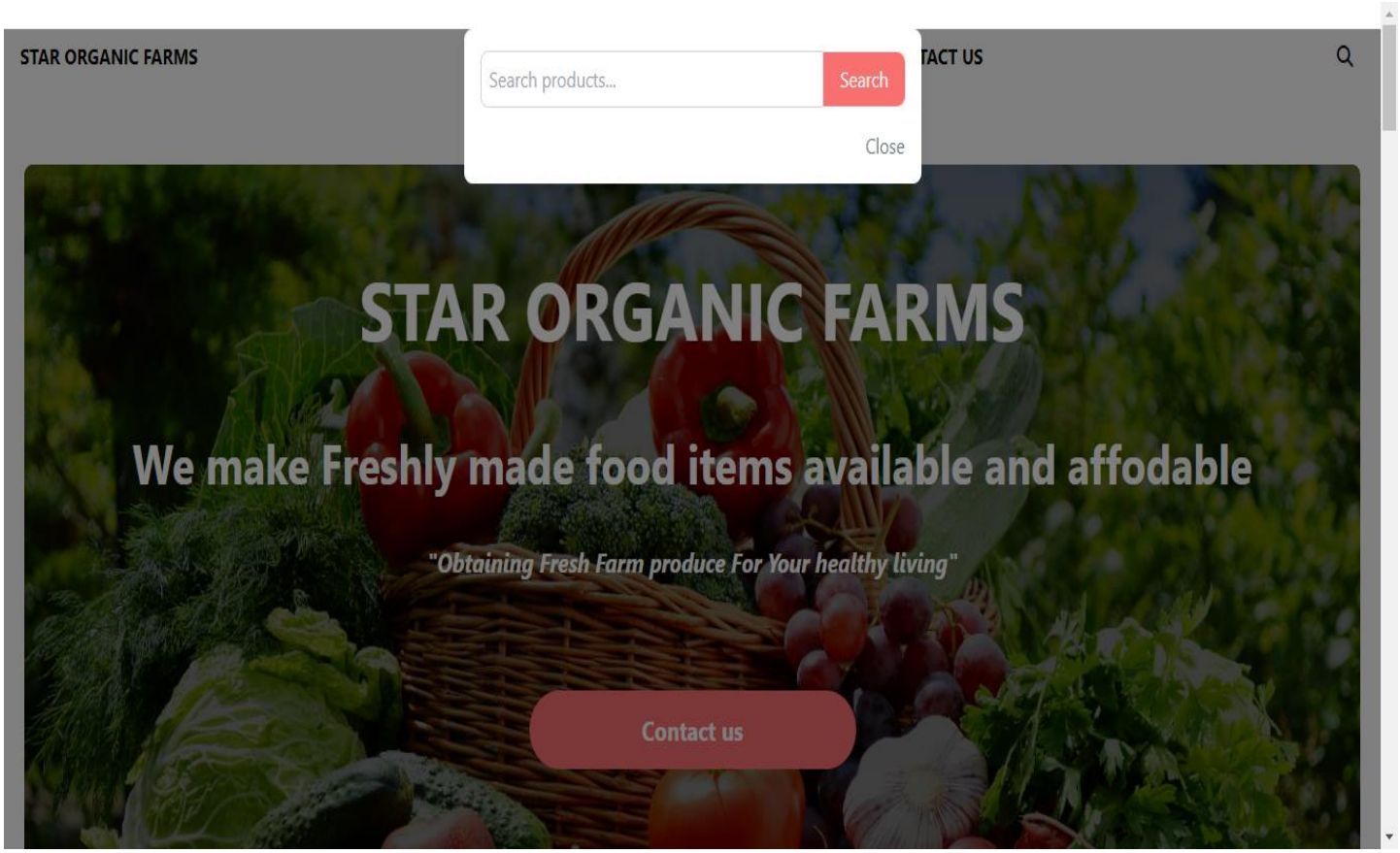
Each category was filtered and mapped from a database in the data.js file using this code shown below:



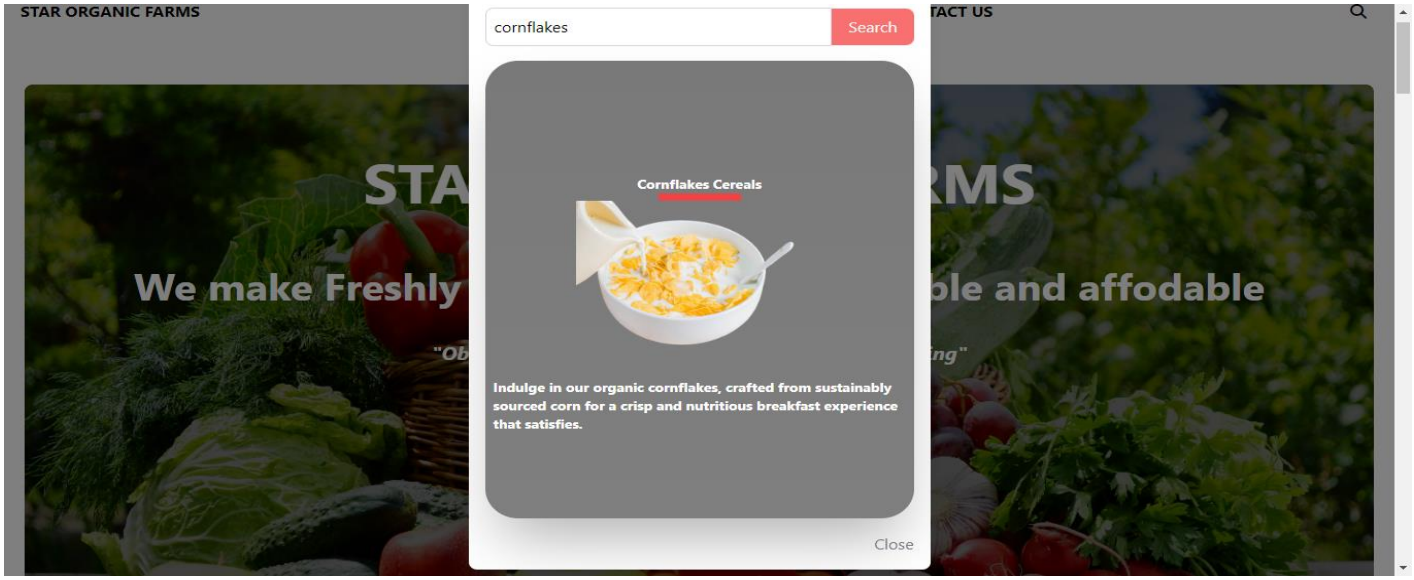
2. **Search Feature**: The search feature is optimized to work with a modal such that when the search button is clicked, the search modal opens up. When a product is searched, if it's in the

database, the product's name, picture and description of every product that matches what was searched comes up.

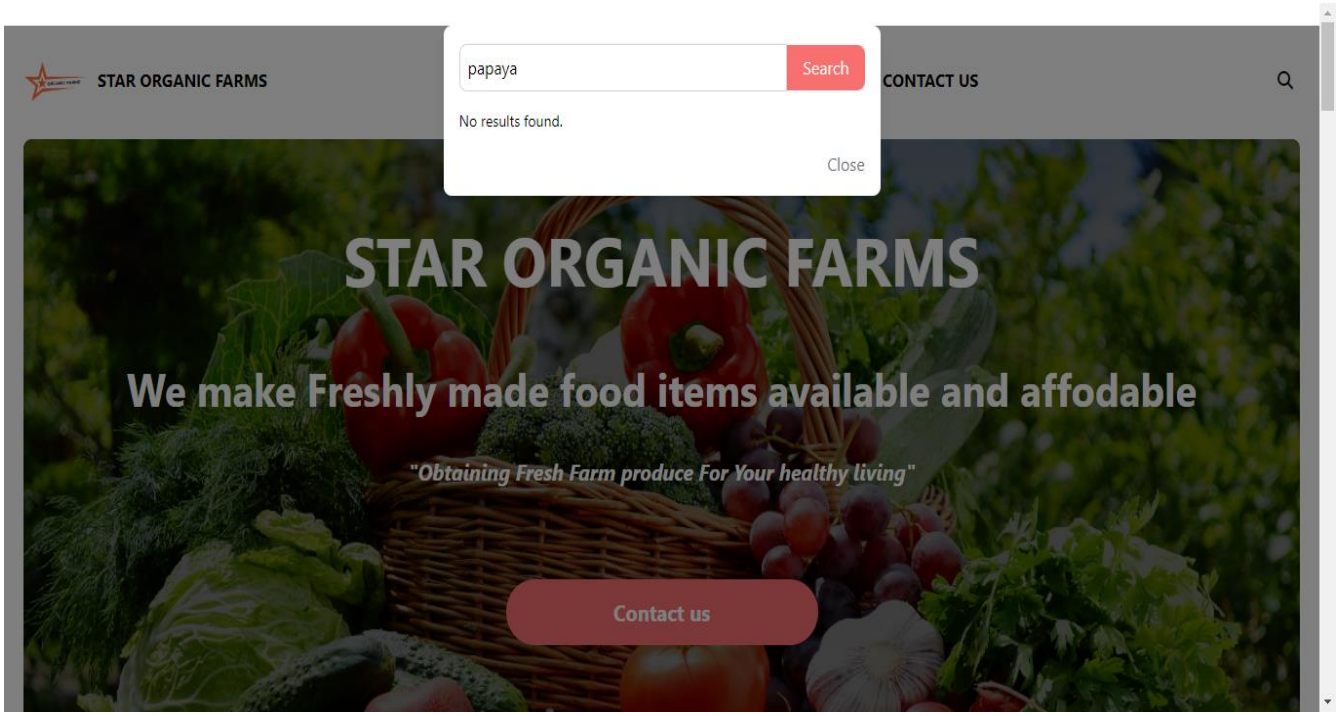
Here is a pictorial representation of the search modal when the search icon is clicked



Here is a pictorial view after searching for a product, and the product was found in the data base.

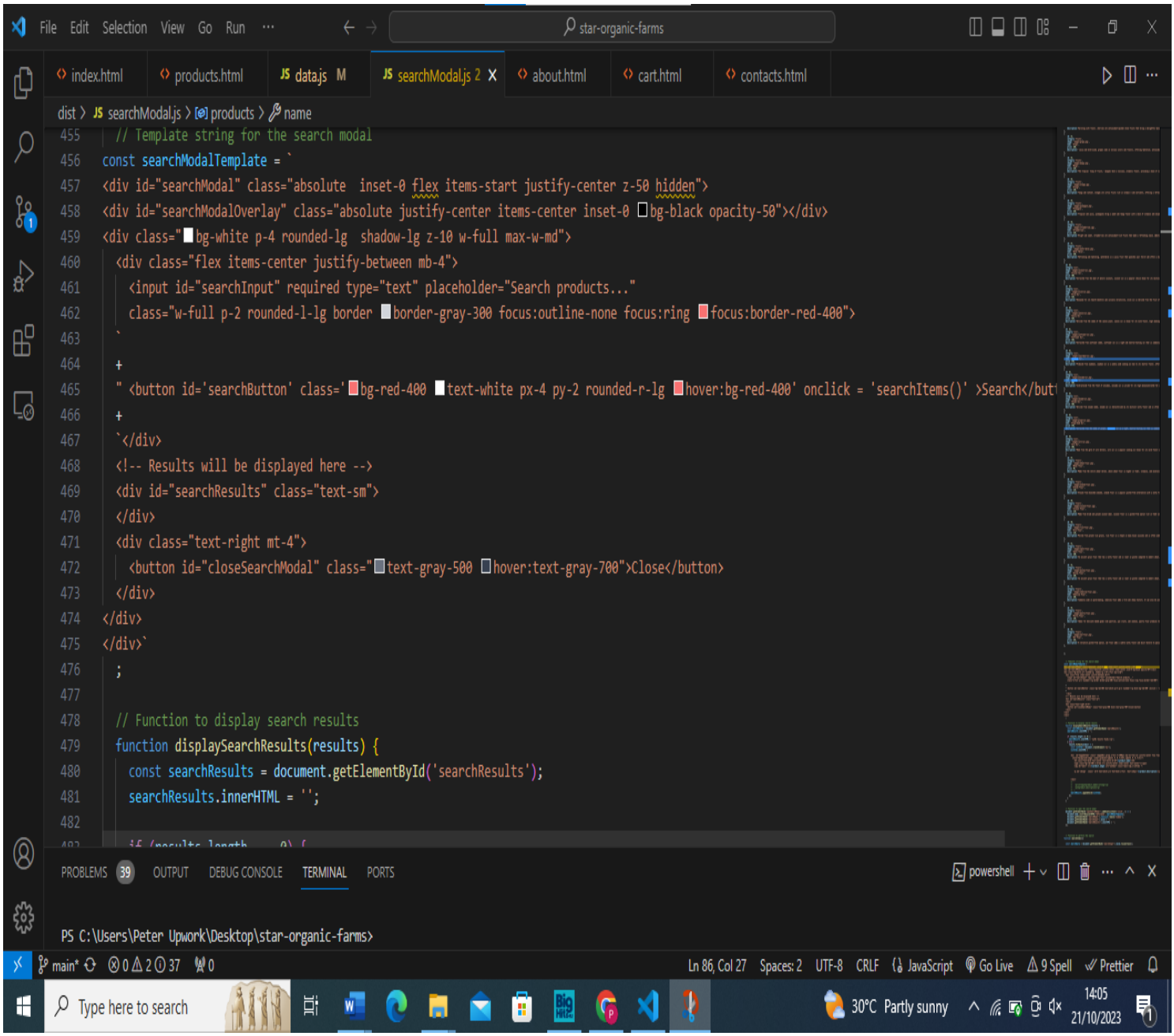


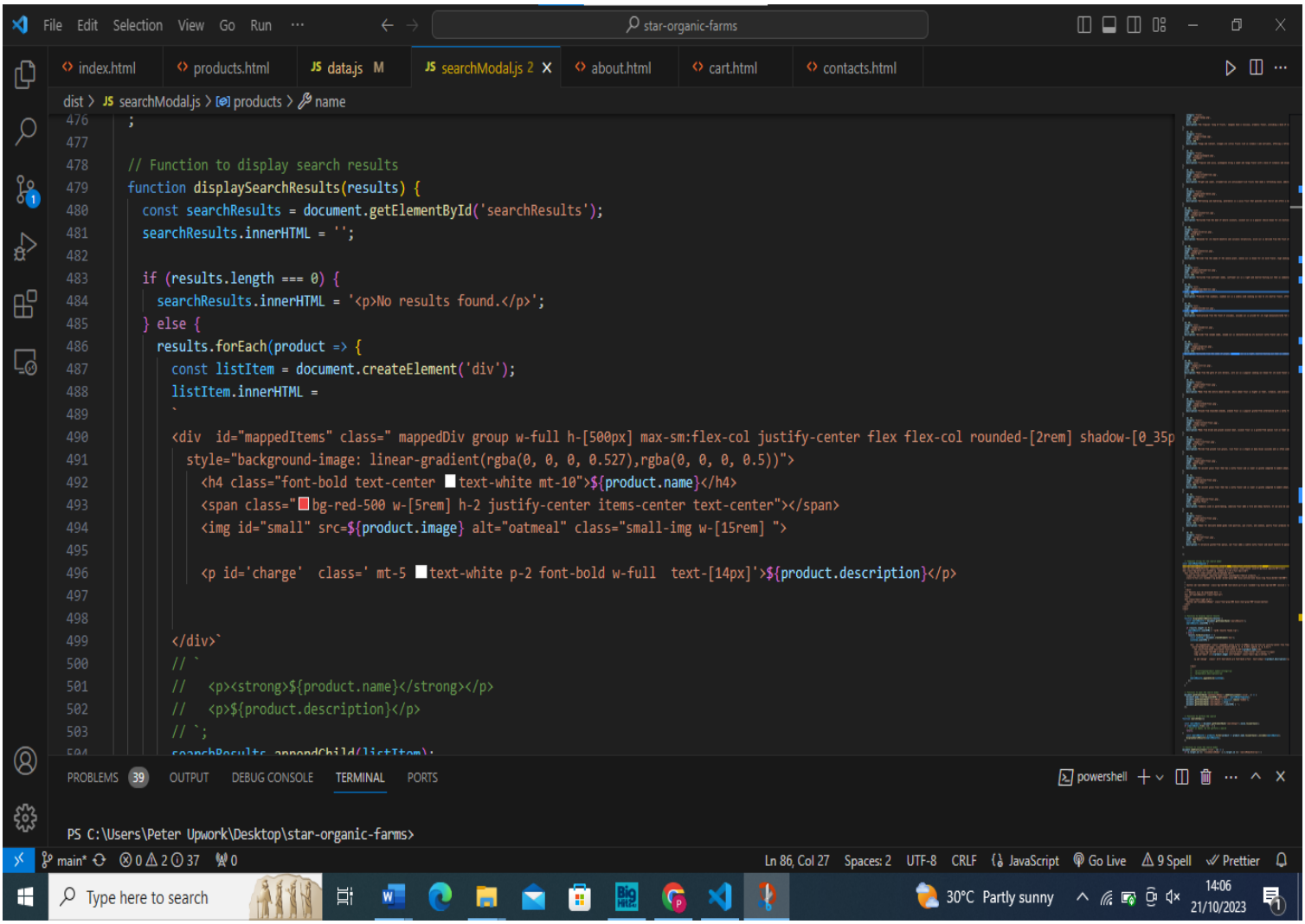
If the product searched wasn't found in the database, a "no result found" message is popped displayed. Here is a pictorial view of what pops up:



To close the search modal, the close button at the bottom could be clicked or anywhere on the website outside the search result.

Here is the code snippet for the search modal functionality connected to the database:

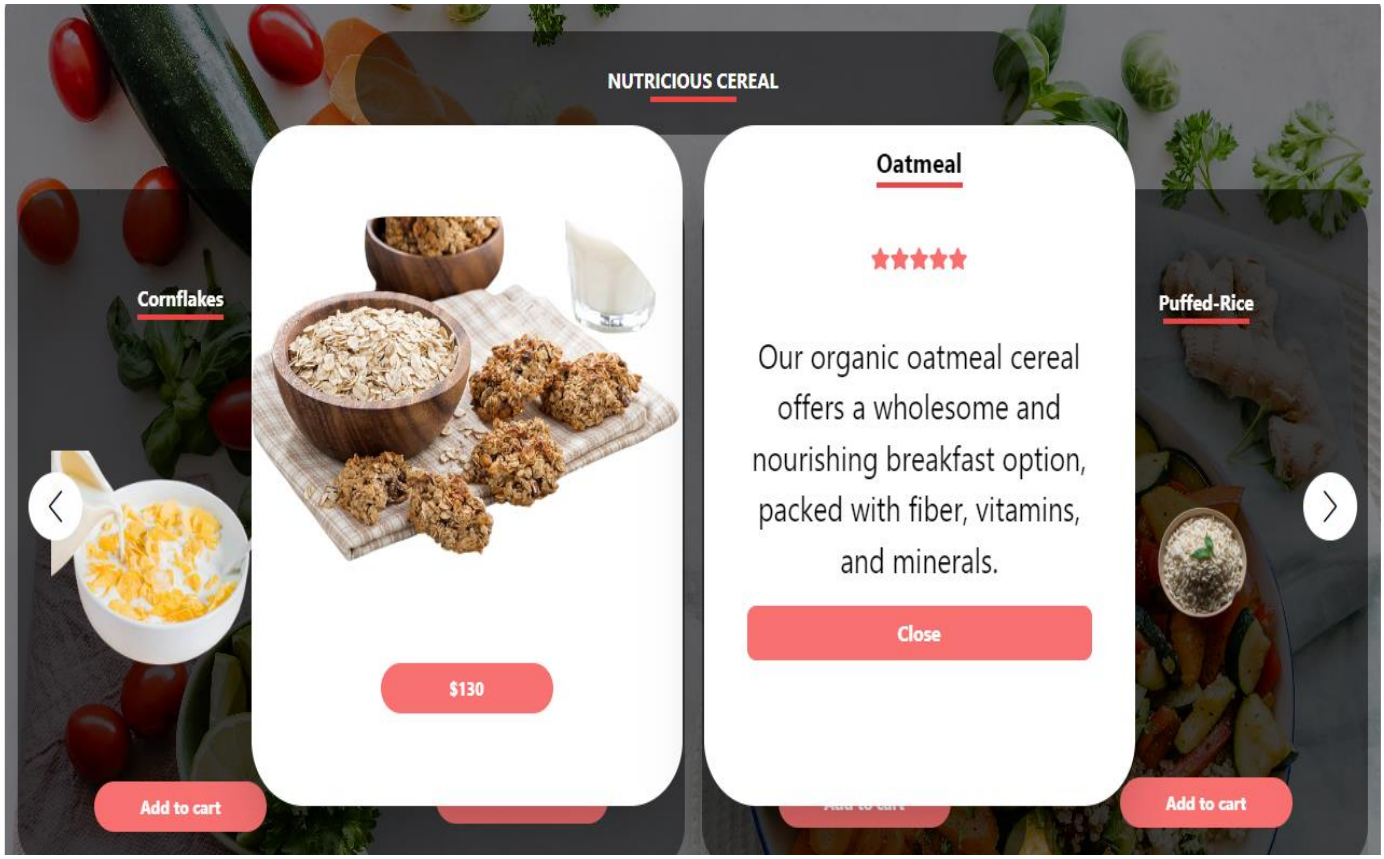




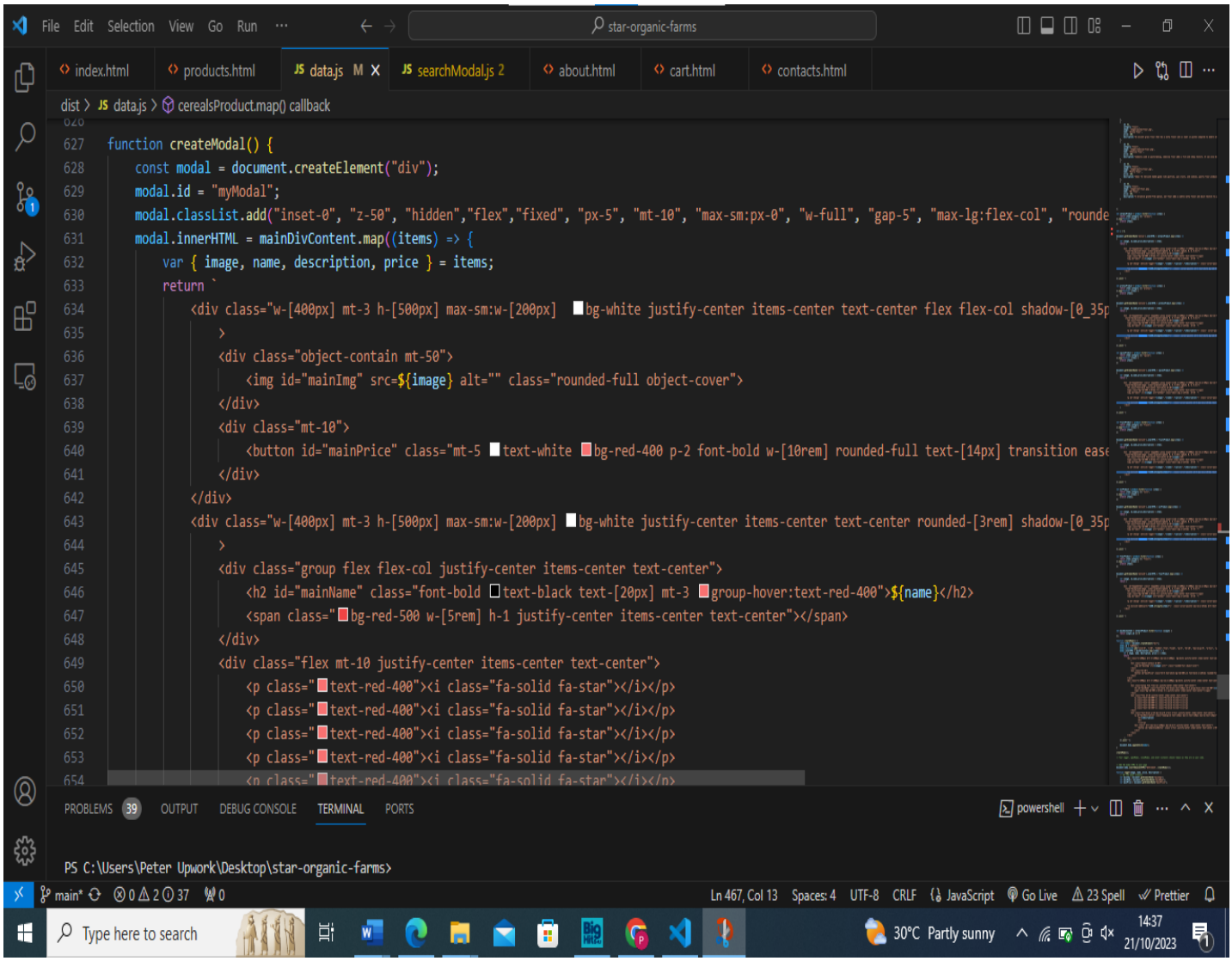
3. **View Details Feature**: This feature is found in the products section. The button only shows when there is an hover on the products card. This feature also makes use of a modal. Since the products name, price and other details were dynamically placed, its quite easy to use javaScript to change the image src and textContent/innerHtml of what is displayed.

   On the onclick of the view details button, a modal opens up in two parts. The first part shows the image and price of the

product, the second part shows the name, rating and description.
Here is a pictorial representation of the view details button when clicked in the products page:



Here is the code from my data.js file that is charge of the view modal:


File Edit Selection View Go Run ···
star-organic-farms
index.html
products.html
data.js M
searchModal.js 2
about.html
cart.html
contacts.html
dist > data.js > cerealsProduct.map() callback
function createModal() {
const modal = document.createElement("div");
modal.id = "myModal";
modal.classList.add("inset-0", "z-50", "hidden","flex","fixed", "px-5", "mt-10", "max-sm:px-0", "w-full", "gap-5", "max-lg:flex-col", "rounde
modal.innerHTML = mainDivContent.map((items) => {
var { image, name, description, price } = items;
return `
<div class="w-[400px] mt-3 h-[500px] max-sm:w-[200px] bg-white justify-center items-center text-center flex flex-col shadow-[0_35p
>

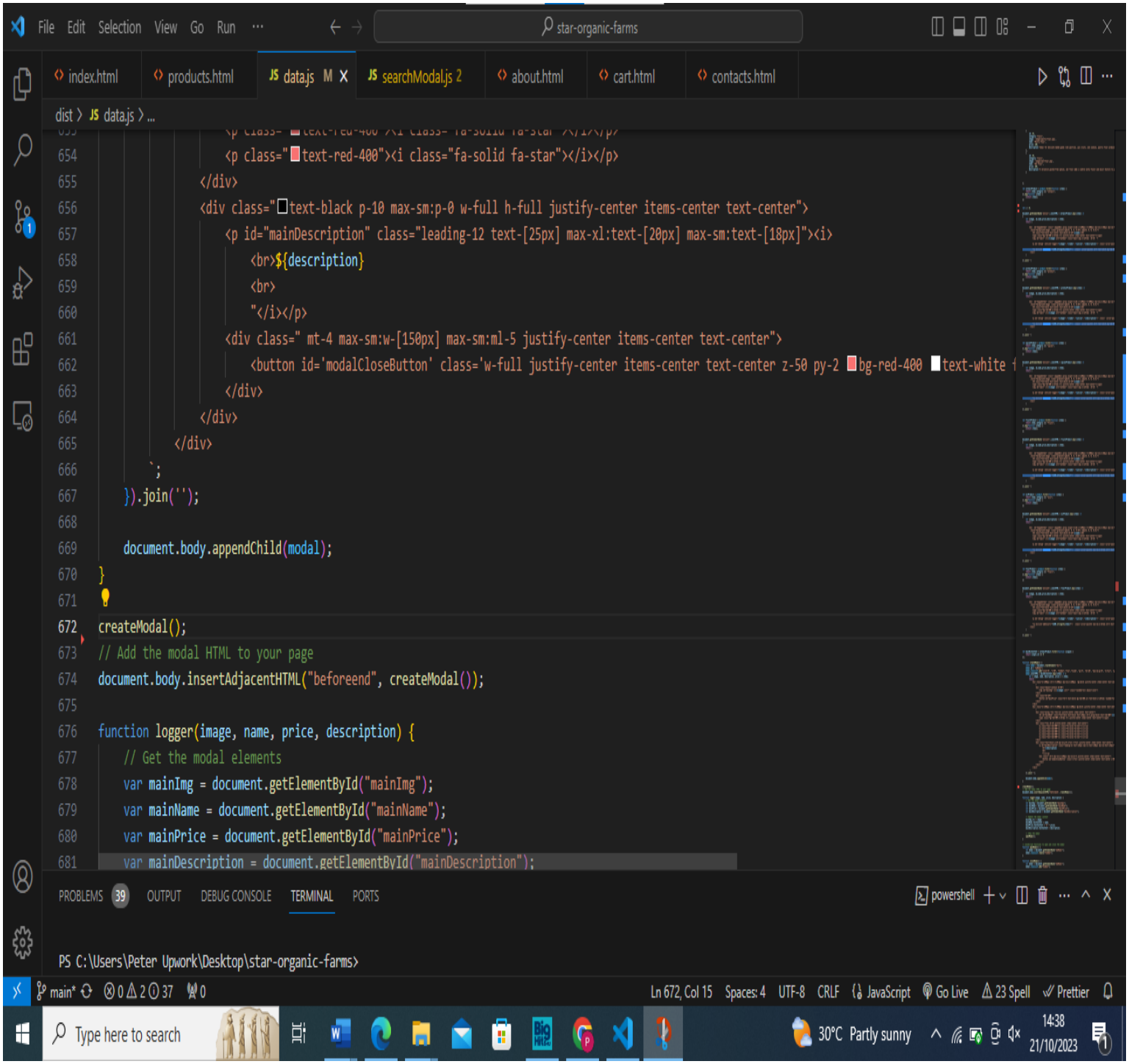
<img id="mainImg" src=${image} alt="" class="rounded-full object-cover">

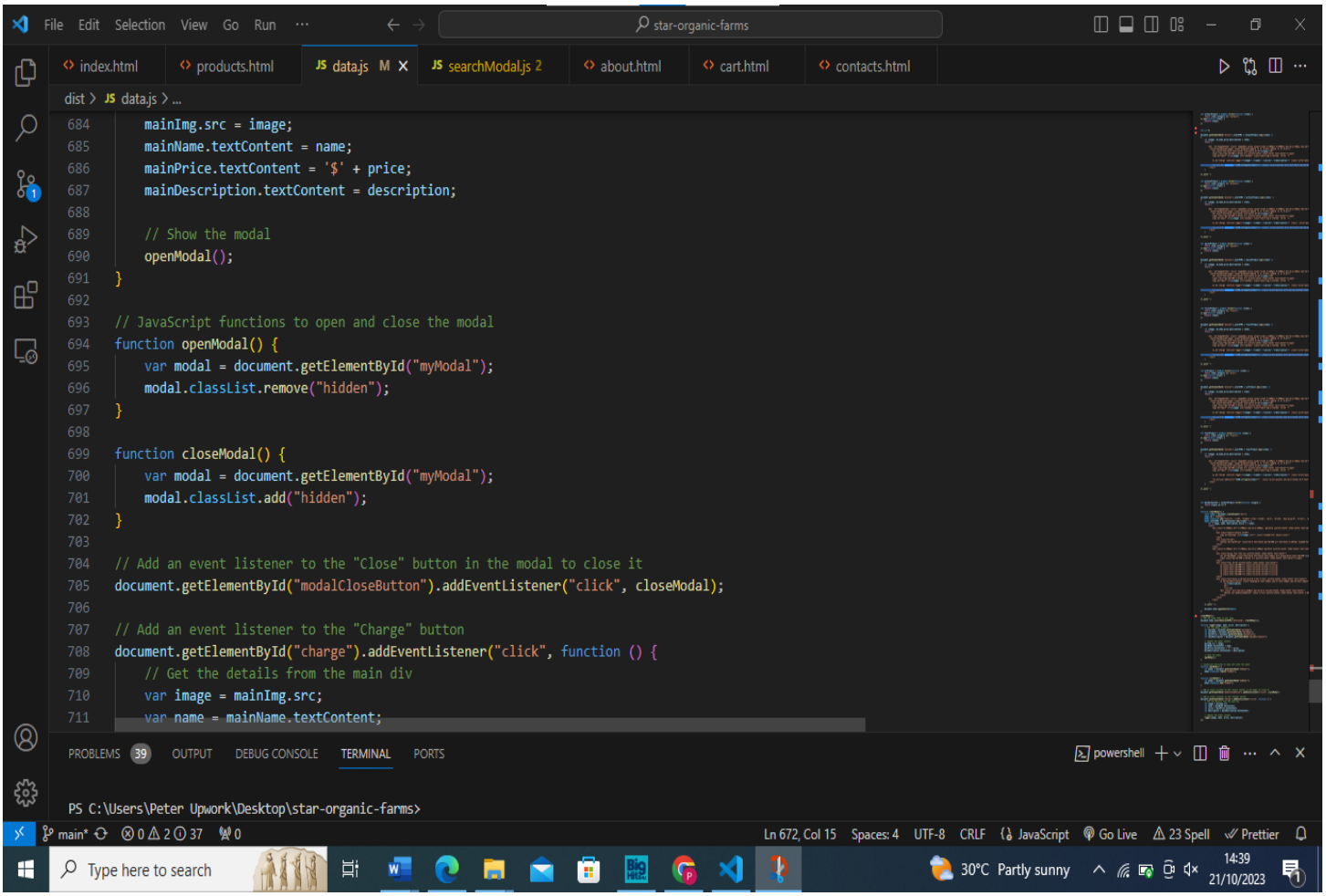
<button id="mainPrice" class="mt-5 text-white bg-red-400 p-2 font-bold w-[10rem] rounded-full text-[14px] transition ease

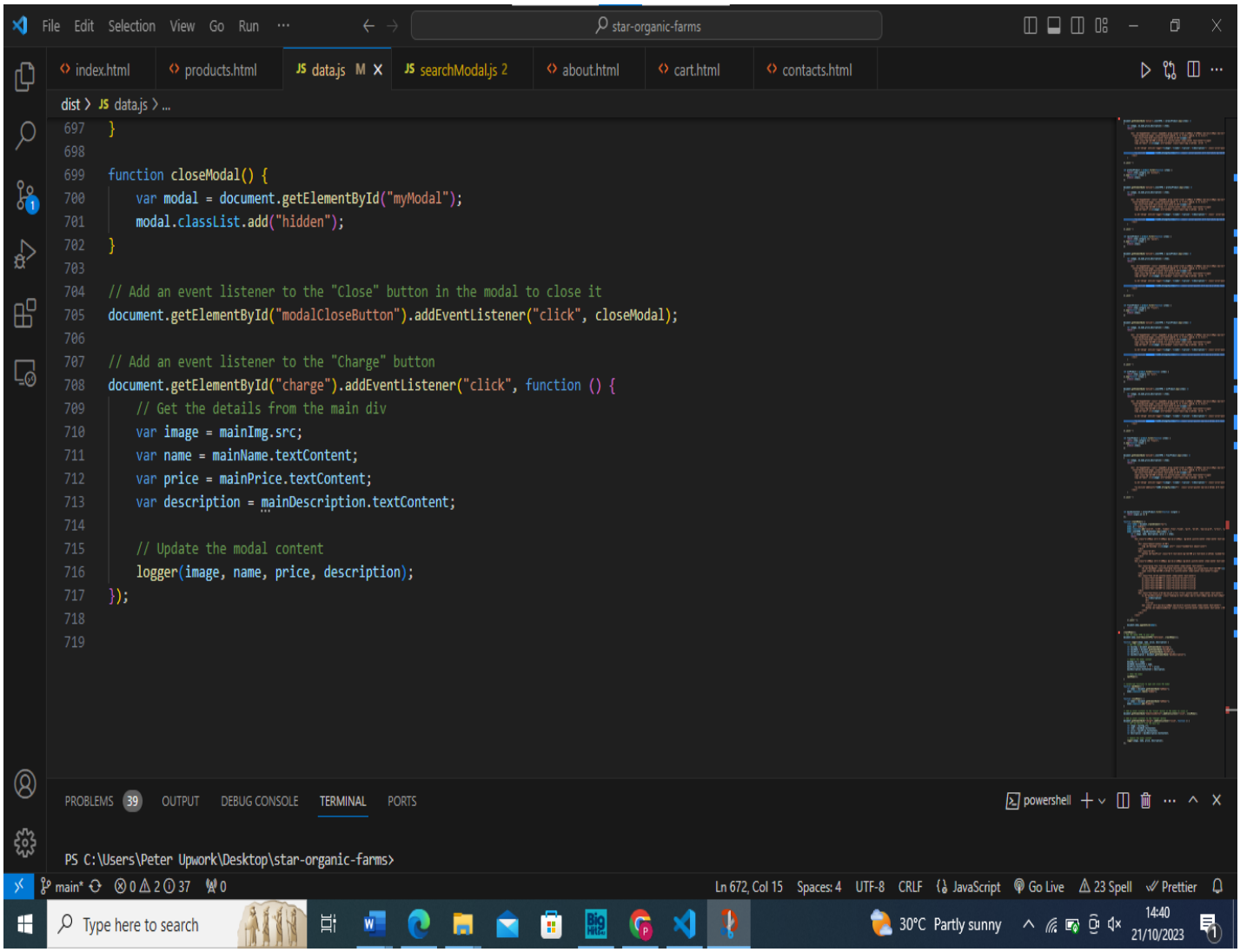
<div class="w-[400px] mt-3 h-[500px] max-sm:w-[200px] bg-white justify-center items-center text-center rounded-[3rem] shadow-[0_35p
>

<h2 id="mainName" class="font-bold text-black text-[20px] mt-3 group-hover:text-red-400">${name}</h2>

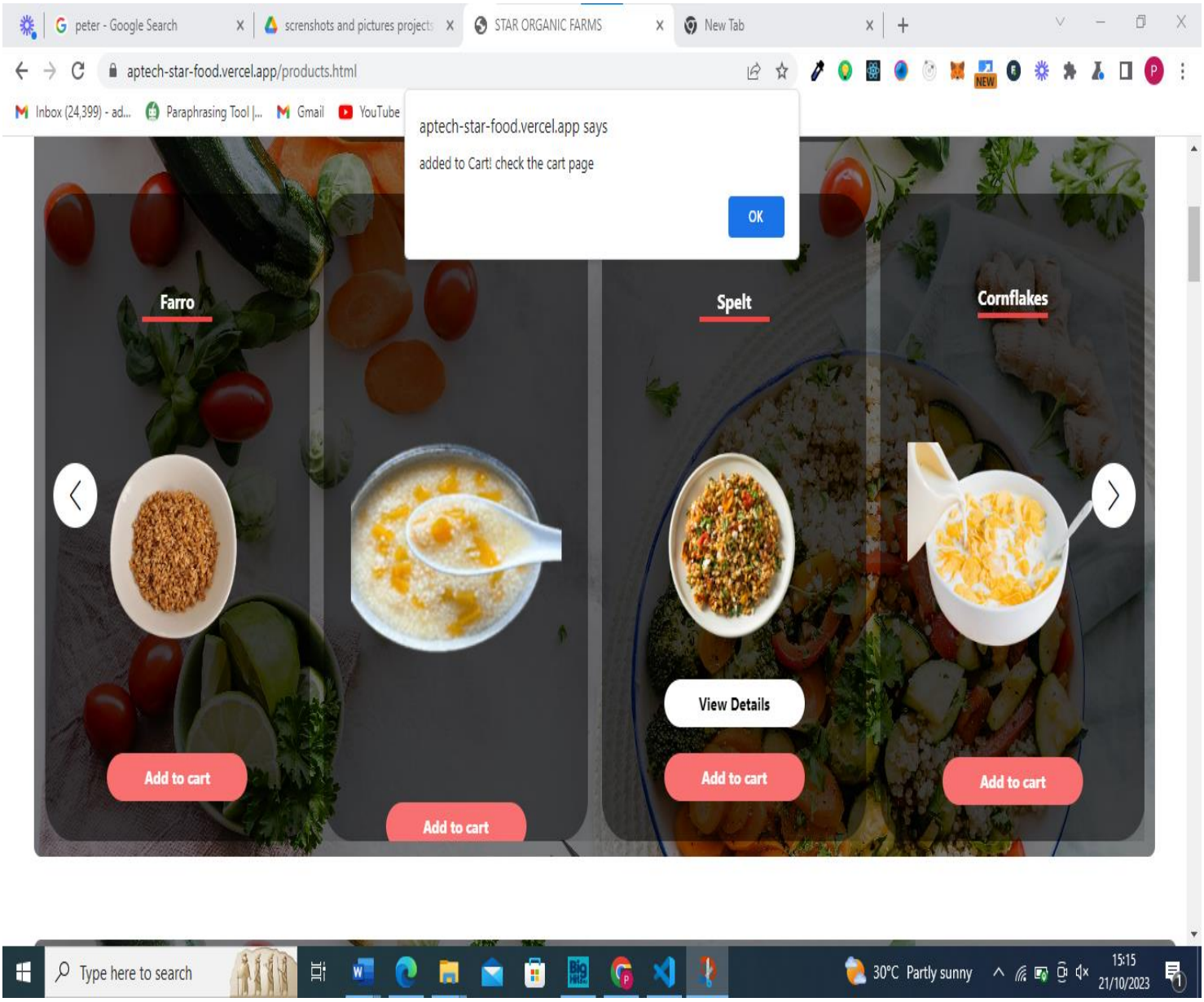
PROBLEMS 39 OUTPUT DEBUG CONSOLE TERMINAL PORTS
powershell
PS C:\Users\Peter Upwork\Desktop\star-organic-farms>
main* 0 2 37 0
Ln 467, Col 13 Spaces: 4 UTF-8 CRLF JavaScript Go Live 23 Spell Prettier
Type here to search
30°C Partly sunny
14:37
21/10/2023


File Edit Selection View Go Run ···
star-organic-farms
index.html
products.html
data.js M X
searchModal.js 2
about.html
cart.html
contacts.html
dist > data.js > ...
654
655
656
657
658
${description}
659
660 "
661
662 <button id='modalCloseButton' class='w-full justify-center items-center text-center z-50 py-2 bg-red-400 text-white
663
664
665
666 `;
667 }).join('');
668
669 document.body.appendChild(modal);
670 }
671
672 createModal();
673 // Add the modal HTML to your page
674 document.body.insertAdjacentHTML("beforeend", createModal());
675
676 function logger(image, name, price, description) {
677 // Get the modal elements
678 var mainImg = document.getElementById("mainImg");
679 var mainName = document.getElementById("mainName");
680 var mainPrice = document.getElementById("mainPrice");
681 var mainDescription = document.getElementById("mainDescription");
PROBLEMS 39 OUTPUT DEBUG CONSOLE TERMINAL PORTS
powershell
PS C:\Users\Peter Upwork\Desktop\star-organic-farms>
main* 0 2 37 0
Ln 672, Col 15 Spaces: 4 UTF-8 CRLF JavaScript Go Live 23 Spell Prettier
Type here to search
30°C Partly sunny
14:38
21/10/2023

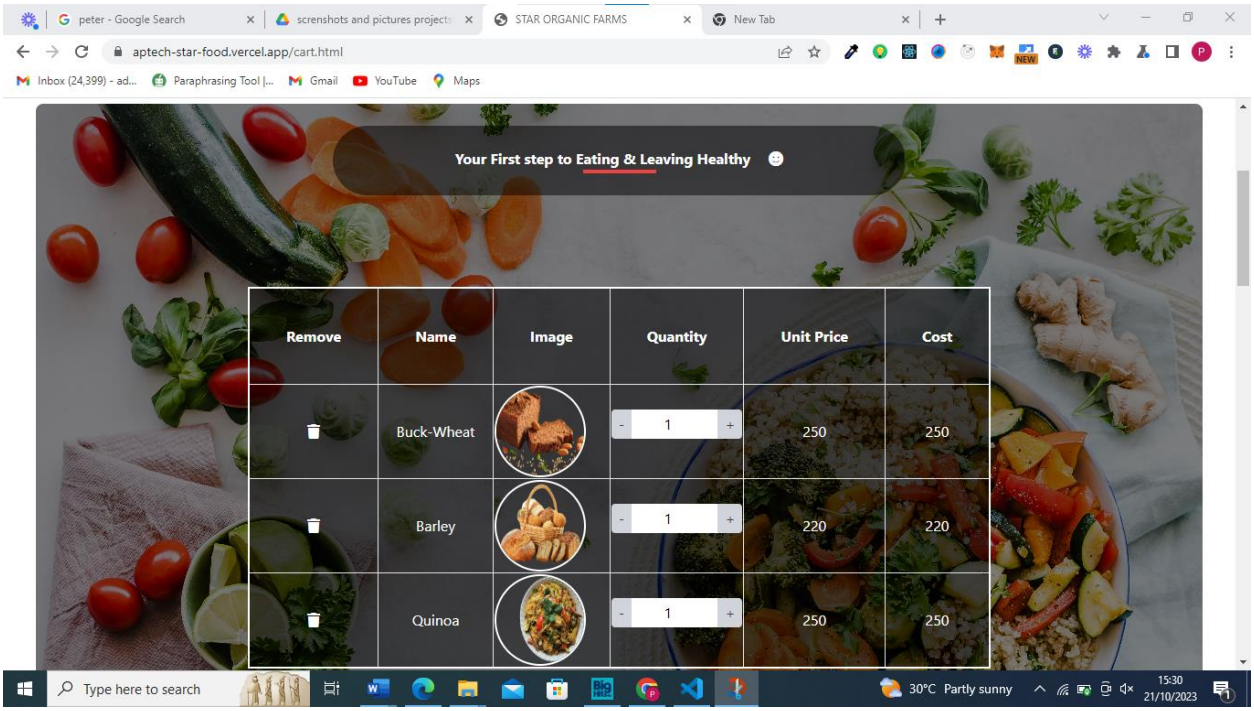

File Edit Selection View Go Run
star-organic-farms
index.html
products.html
data.js M
searchModal.js 2
about.html
cart.html
contacts.html
dist > data.js > ...
mainImg.src = image;
mainName.textContent = name;
mainPrice.textContent = '$' + price;
mainDescription.textContent = description;
// Show the modal
openModal();
}
// JavaScript functions to open and close the modal
function openModal() {
var modal = document.getElementById("myModal");
modal.classList.remove("hidden");
}
function closeModal() {
var modal = document.getElementById("myModal");
modal.classList.add("hidden");
}
// Add an event listener to the "Close" button in the modal to close it
document.getElementById("modalCloseButton").addEventListener("click", closeModal);
// Add an event listener to the "Charge" button
document.getElementById("charge").addEventListener("click", function () {
// Get the details from the main div
var image = mainImg.src;
var name = mainName.textContent;
PROBLEMS 39
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
powershell
PS C:\Users\Peter Upwork\Desktop\star-organic-farms>
main*
Ln 672, Col 15
Spaces: 4
UTF-8
CRLF
JavaScript
Go Live
23 Spell
Prettier
Type here to search
30°C Partly sunny
14:39
21/10/2023



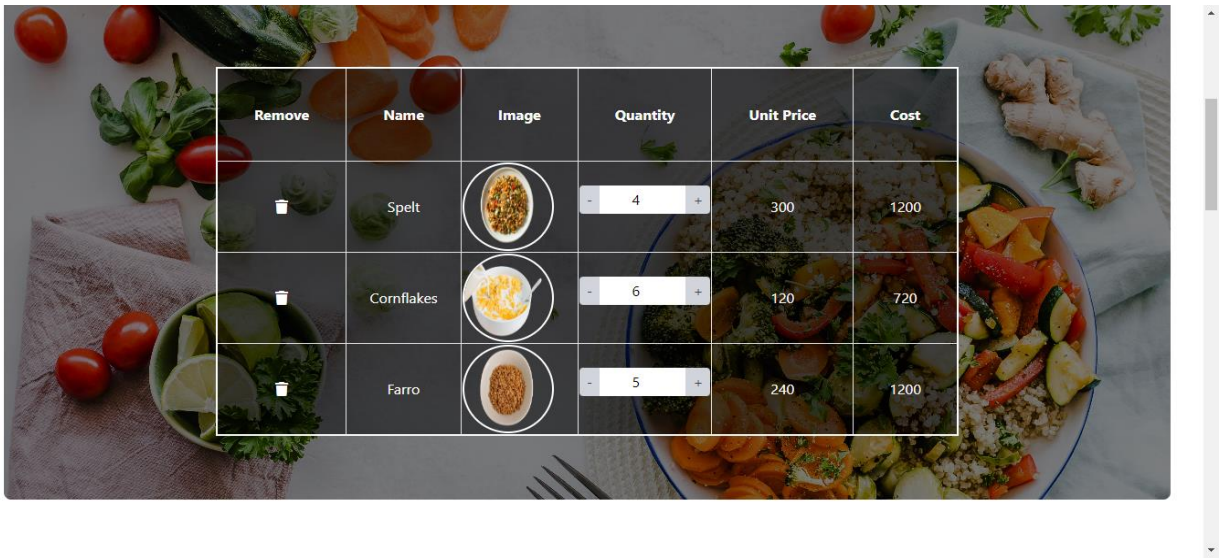
4. **Add-to-cart-feature**: This feature is quite great. The add to cart button is also located in the products page. When this button is clicked, an alert pops up confirming that the product has been added to the product page. Moreso, the click of the button dynamically populates the cart page with the necessary details.
   Here is a pictorial view of the add to cart button when clicked on the product page:



After several clicks on different products, here is a pictorial view of the cart page dynamically populated with the product clicked:

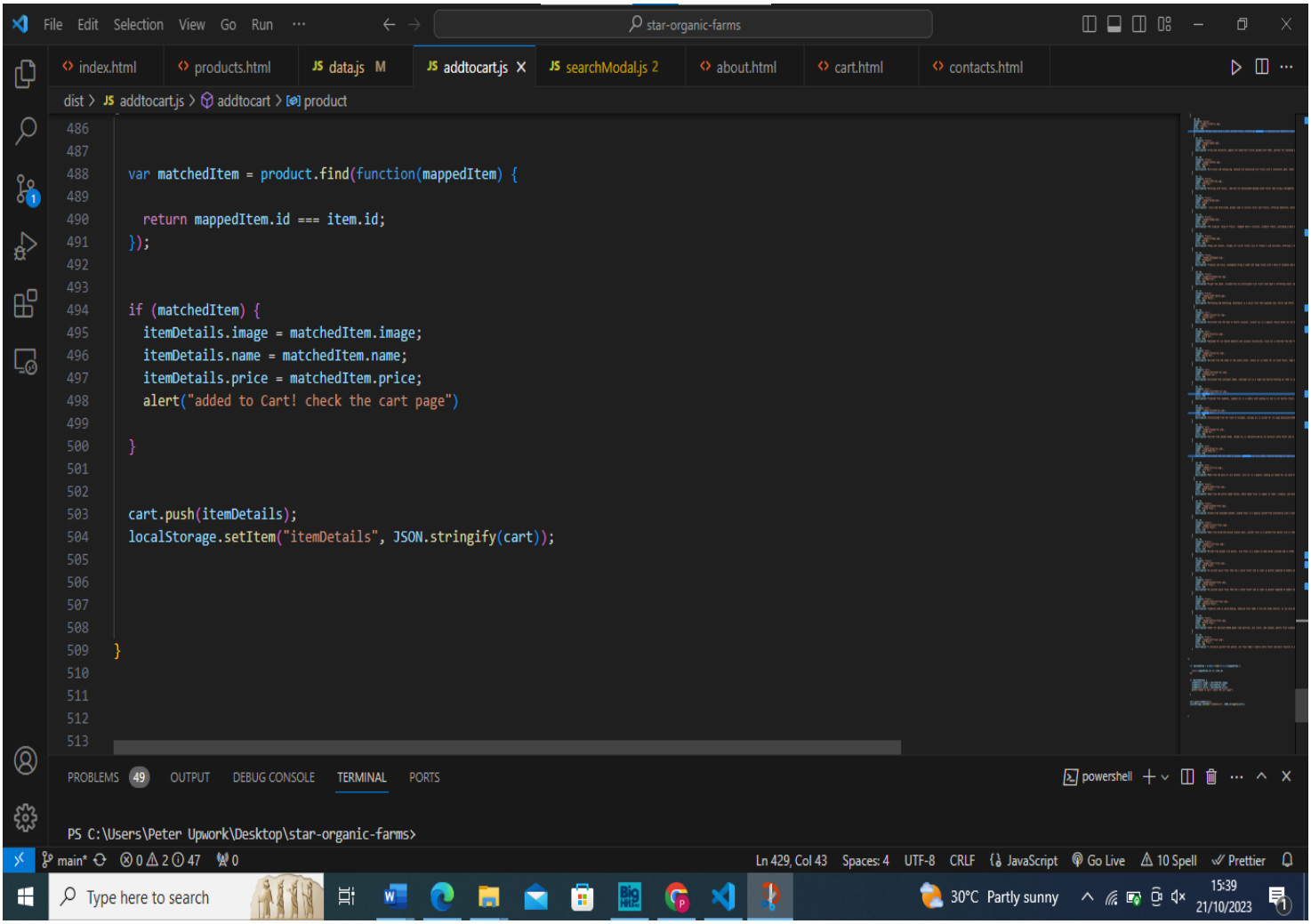


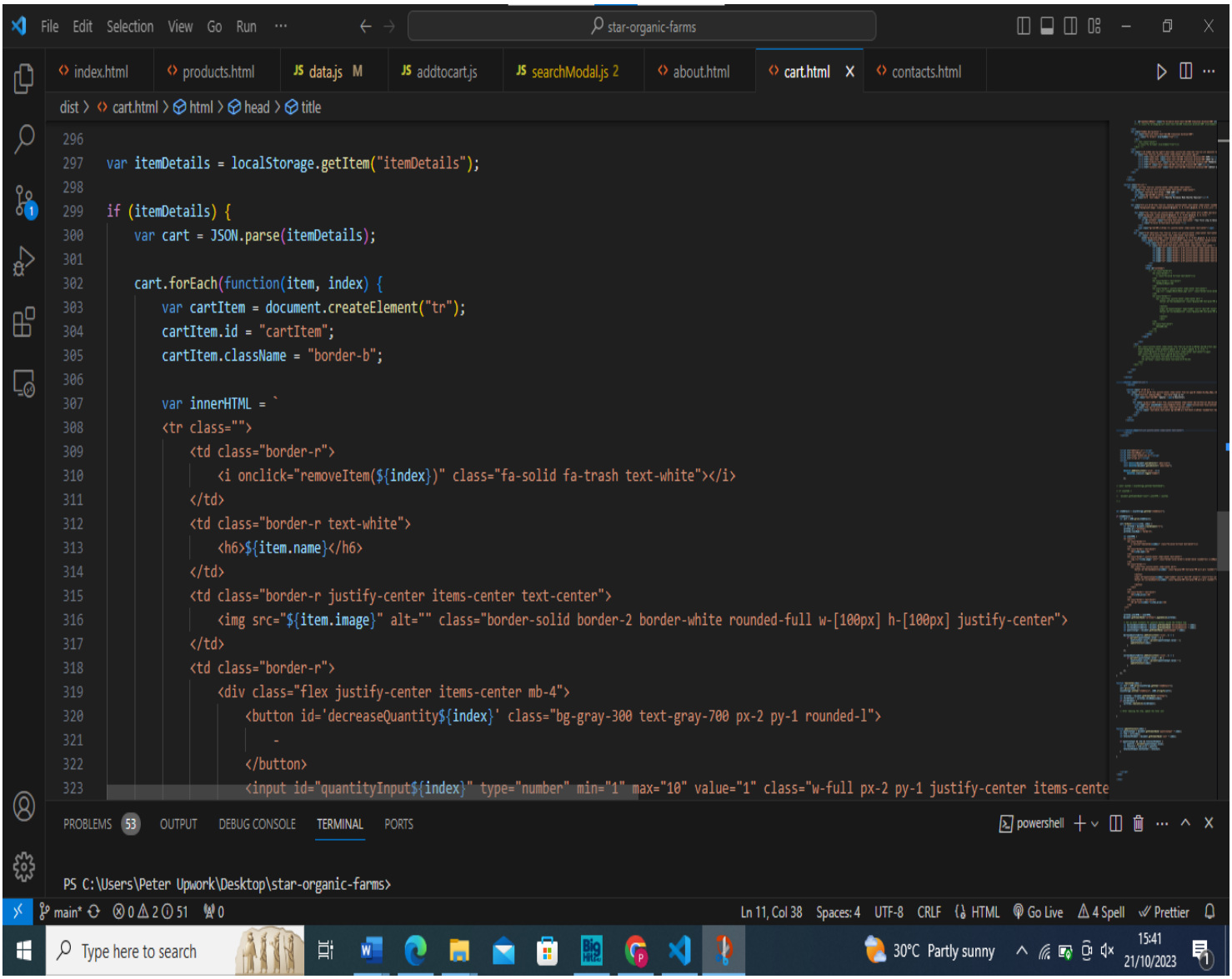
5. **Quantity adjustment Feature**: This feature helps users dynamically increase or decrease the quantity of each product chosen. As the quantity is being adjusted, the cost for the item is being dynamically adjusted accordingly. Here is a pictorial view of this feature in play:



6. **Delete Button**: The Delete button feature helps to remove items from the cart which were initially added.

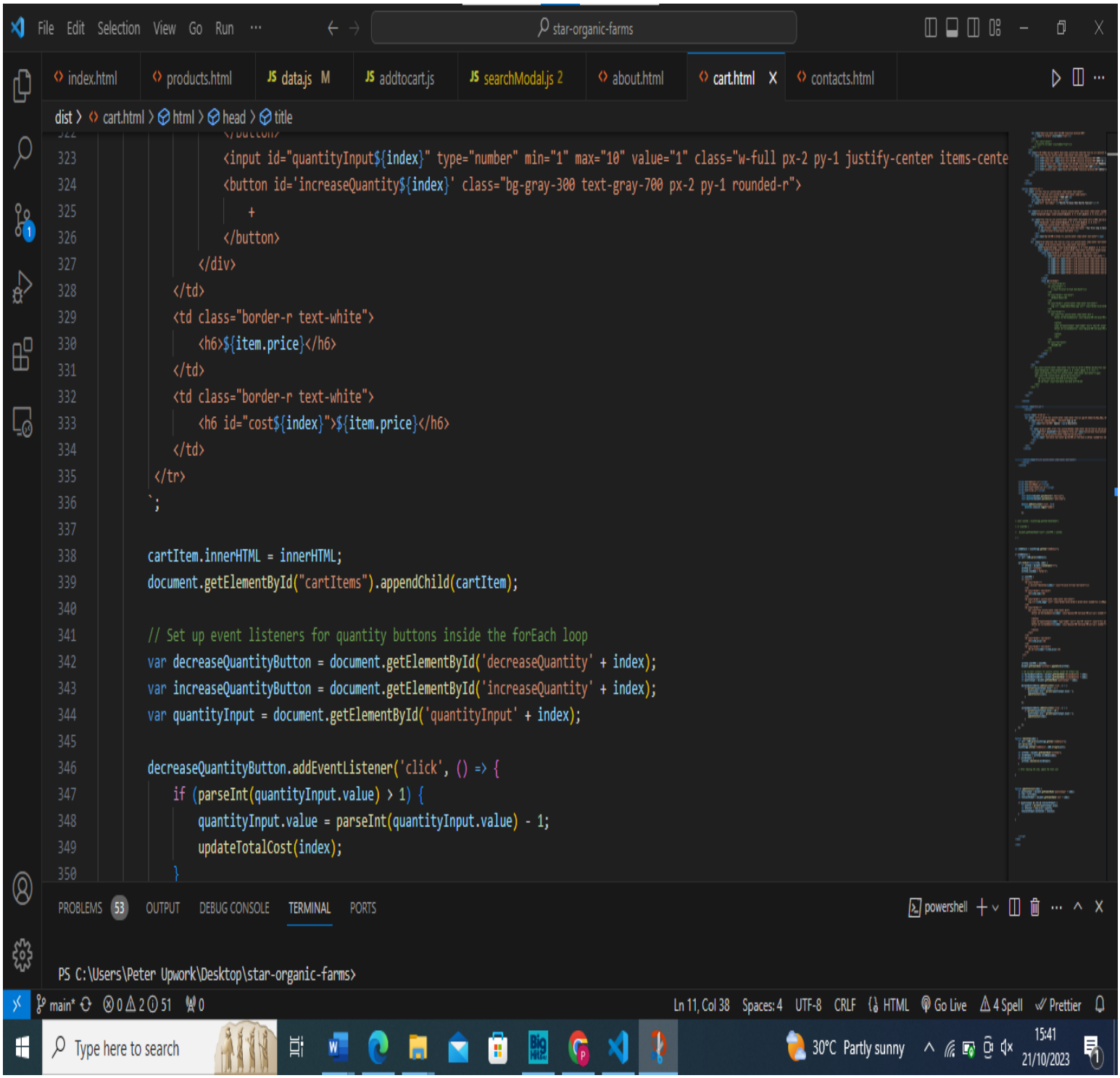
Here is the code for both the add to cart feature, the quantity adjustment feature and the delete feature because they are all working together.



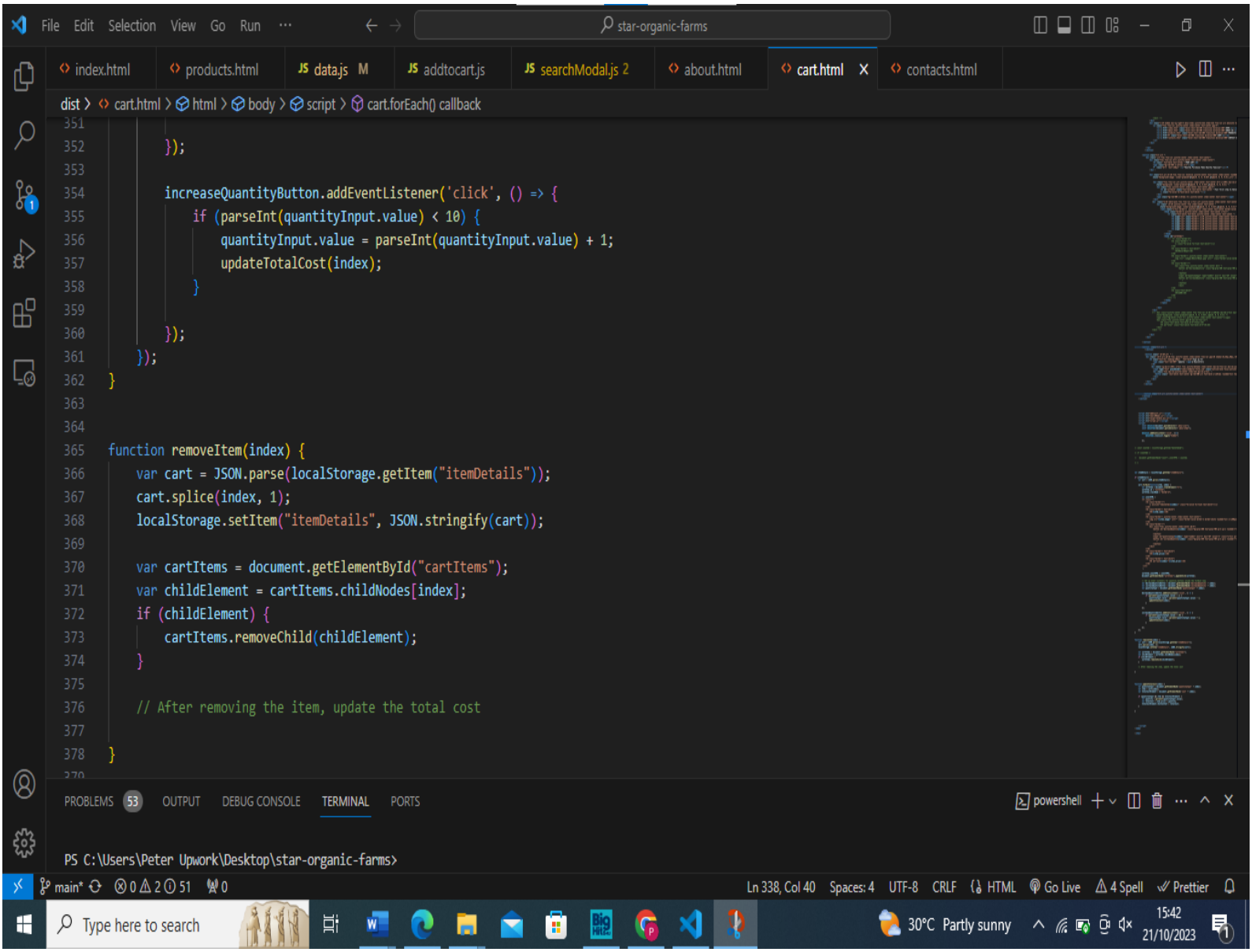

File Edit Selection View Go Run ···
star-organic-farms
index.html
products.html
data.js M
addtocart.js
searchModal.js 2
about.html
cart.html
contacts.html
dist > cart.html > html > head > title
var itemDetails = localStorage.getItem("itemDetails");
if (itemDetails) {
var cart = JSON.parse(itemDetails);
cart.forEach(function(item, index) {
var cartItem = document.createElement("tr");
cartItem.id = "cartItem";
cartItem.className = "border-b";
var innerHTML = `
<tr class="">
<td class="border-r">

</td>
<td class="border-r text-white">
<h6>${item.name}</h6>
</td>
<td class="border-r justify-center items-center text-center">
<img src="${item.image}" alt="" class="border-solid border-2 border-white rounded-full w-[100px] h-[100px] justify-center">
</td>
<td class="border-r">

<button id='decreaseQuantity${index}' class="bg-gray-300 text-gray-700 px-2 py-1 rounded-l">
-
</button>
<input id="quantityInput${index}" type="number" min="1" max="10" value="1" class="w-full px-2 py-1 justify-center items-cente
PROBLEMS 53
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
powershell
PS C:\Users\Peter Upwork\Desktop\star-organic-farms>
main*
Ln 11, Col 38
Spaces: 4
UTF-8
CRLF
HTML
Go Live
4 Spell
Prettier
Type here to search
30°C Partly sunny
15:41
21/10/2023


File Edit Selection View Go Run ···
star-organic-farms
index.html
products.html
data.js M
addtocart.js
searchModal.js 2
about.html
cart.html
contacts.html
dist > cart.html > html > head > title
<input id="quantityInput${index}" type="number" min="1" max="10" value="1" class="w-full px-2 py-1 justify-center items-cente
<button id='increaseQuantity${index}' class="bg-gray-300 text-gray-700 px-2 py-1 rounded-r">
+
</button>

</td>
<td class="border-r text-white">
<h6>${item.price}</h6>
</td>
<td class="border-r text-white">
<h6 id="cost${index}">${item.price}</h6>
</td>
</tr>
`;
cartItem.innerHTML = innerHTML;
document.getElementById("cartItems").appendChild(cartItem);
// Set up event listeners for quantity buttons inside the forEach loop
var decreaseQuantityButton = document.getElementById('decreaseQuantity' + index);
var increaseQuantityButton = document.getElementById('increaseQuantity' + index);
var quantityInput = document.getElementById('quantityInput' + index);
decreaseQuantityButton.addEventListener('click', () => {
if (parseInt(quantityInput.value) > 1) {
quantityInput.value = parseInt(quantityInput.value) - 1;
updateTotalCost(index);
}
PROBLEMS 53
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
powershell
PS C:\Users\Peter Upwork\Desktop\star-organic-farms>
main*
Ln 11, Col 38
Spaces: 4
UTF-8
CRLF
HTML
Go Live
4 Spell
Prettier
Type here to search
30°C Partly sunny
15:41
21/10/2023


File Edit Selection View Go Run ···
star-organic-farms
index.html
products.html
data.js M
addtocart.js
searchModal.js 2
about.html
cart.html
contacts.html
dist > cart.html > html > body > script > cart.forEach() callback
});
increaseQuantityButton.addEventListener('click', () => {
if (parseInt(quantityInput.value) < 10) {
quantityInput.value = parseInt(quantityInput.value) + 1;
updateTotalCost(index);
}
});
});
}
function removeItem(index) {
var cart = JSON.parse(localStorage.getItem("itemDetails"));
cart.splice(index, 1);
localStorage.setItem("itemDetails", JSON.stringify(cart));
var cartItems = document.getElementById("cartItems");
var childElement = cartItems.childNodes[index];
if (childElement) {
cartItems.removeChild(childElement);
}
// After removing the item, update the total cost
}
PROBLEMS 53
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
powershell
PS C:\Users\Peter Upwork\Desktop\star-organic-farms>
main*
Ln 338, Col 40
Spaces: 4
UTF-8
CRLF
HTML
Go Live
4 Spell
Prettier
Type here to search
30°C Partly sunny
15:42
21/10/2023

PROJECT SYNOPSIS

Scope and Objectives of The Website

The website is designed to provide a user-friendly and intuitive experience for visitors to navigate through various product categories, including organic products. It is developed as a Windows-based platform using HTML5, JavaScript, and Geolocation technologies to ensure optimal functionality across various web browsers.

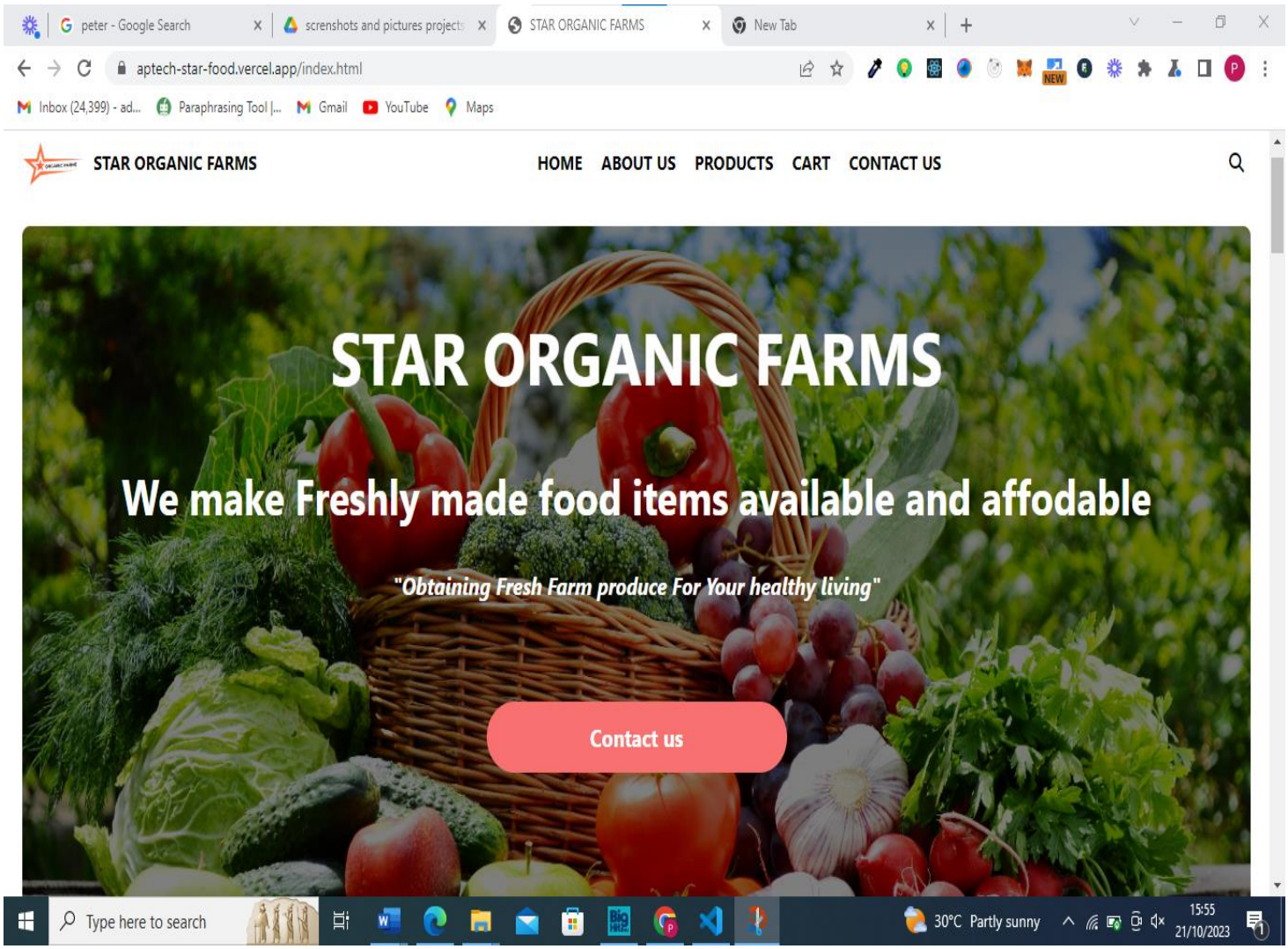
The main objectives are user convenience, seamless compatibility across major web browsers, an engaging homepage with organized sections, relevant imagery, and an easy-to-navigate menu, enhanced shopping experience with brand-based product filtering and categorization, product information with brief feature summaries, and product comparisons for informed choices. The 'Contact Us' page will provide the company's address, integrated with GeoLocation API for Google Maps display, and enable users to send inquiries conveniently by clicking on a mail address.

The goal is to create a user-friendly, informative, and technologically robust platform that showcases organic products while enhancing the shopping experience for users.

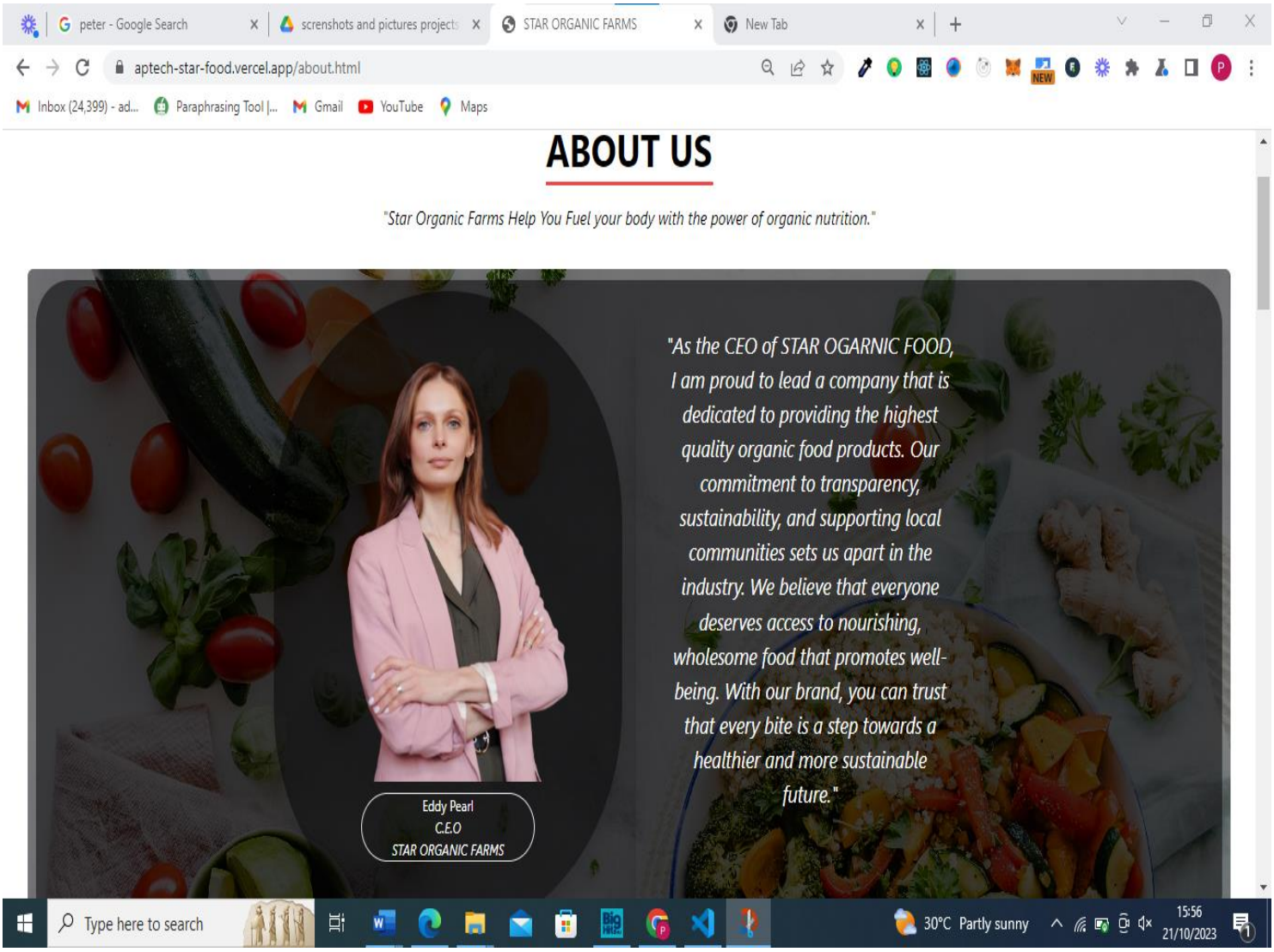
The architectural blueprint of our project, the development of the Star Organic Farm website is guided by the following requirements:

1. **Home Page**: The homepage prominently features the company logo, along with well-organized navigation sections providing details about the available agro products accompanied by suitable images and displays a special offer

for promo. Here is a pictorial view of the navbar and banner section.

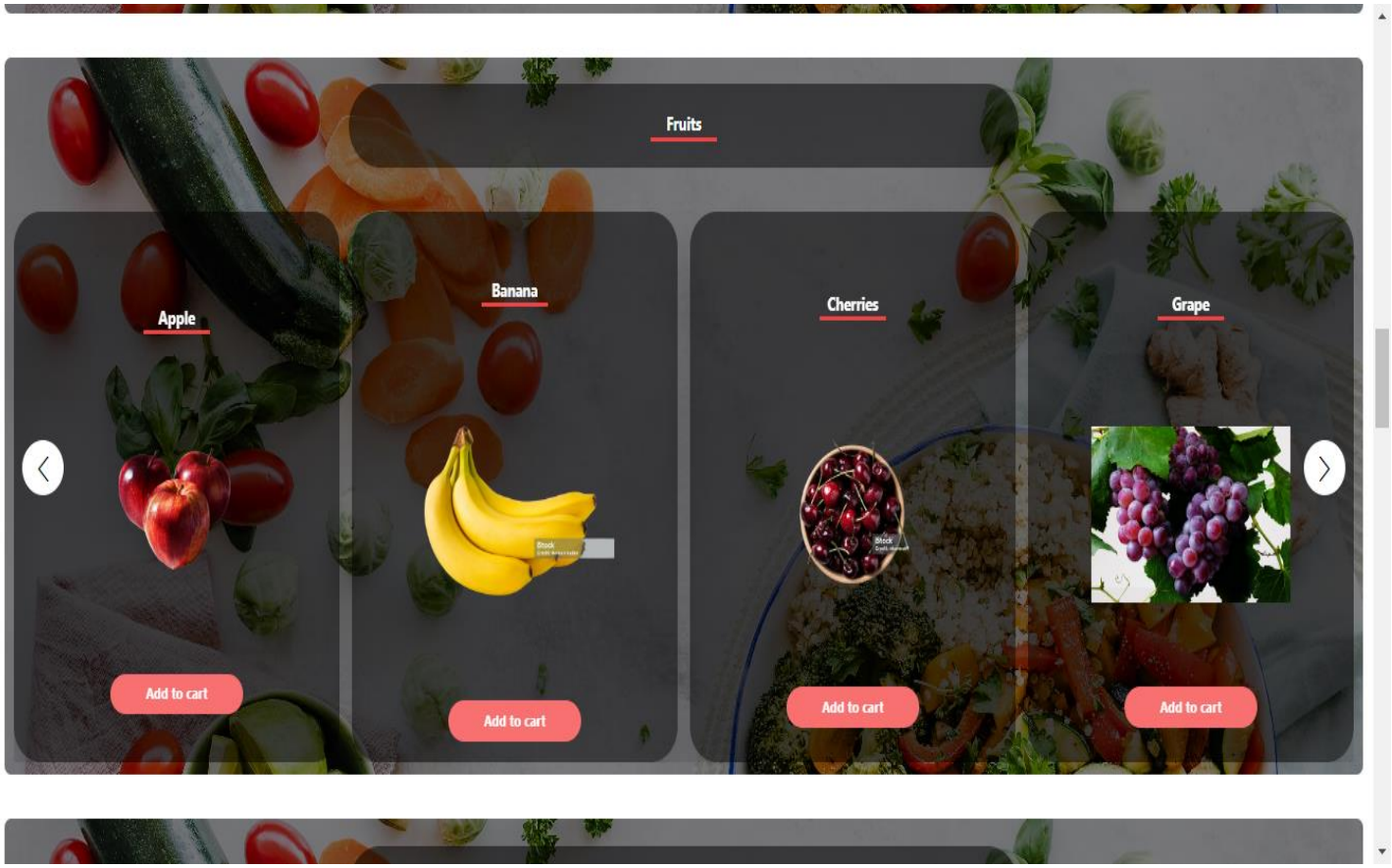


2. **About us Page**: The website includes an 'About Us' page which encapsulates Star Organic Farms story, mission, and values, providing a glimpse into the heartbeat of our project. Here is a pictorial view of part of the about-us page.



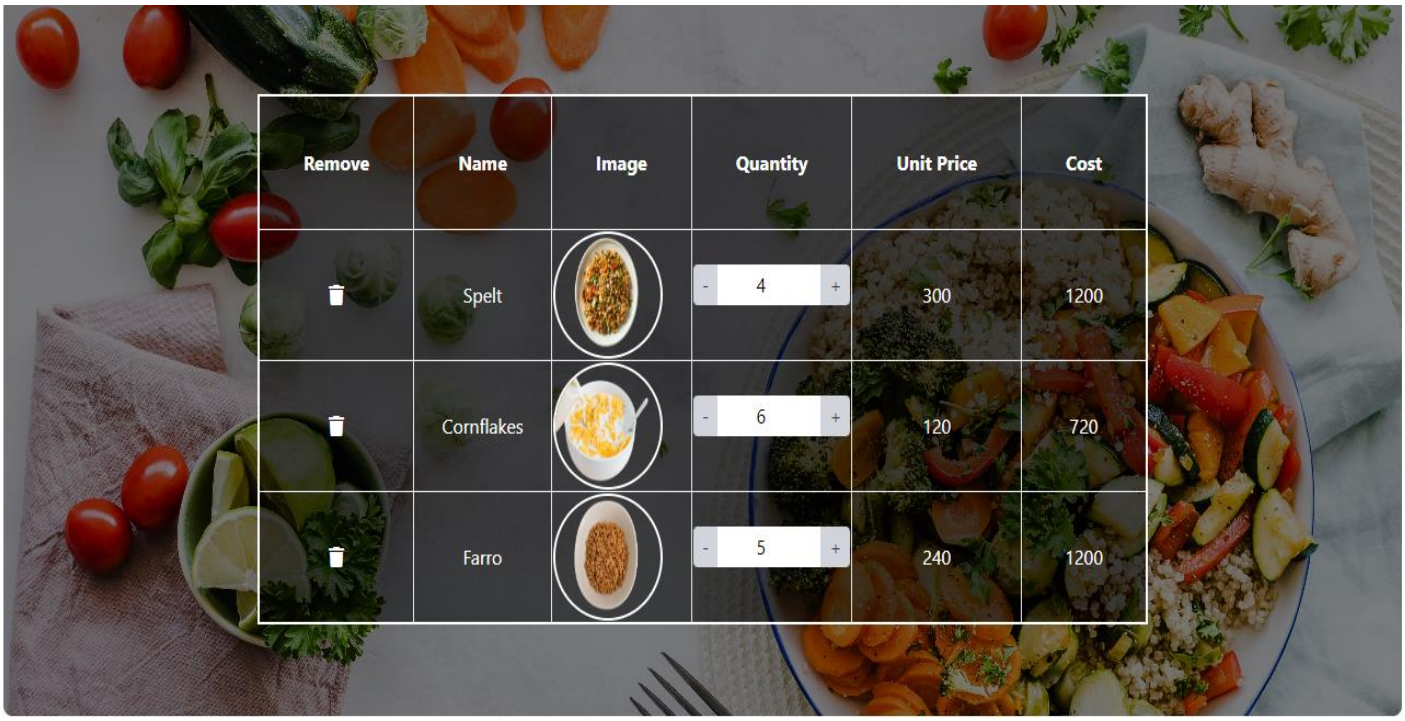
3. **Product Features**: The product page shows different products in each category. Each category has a slider to ensure complete display of the products. Each product card

has an add to cart button and and a view details button that shows on the hover of the button card. The click of the view details button shows the price, image, name and rating of any selected product. Here is a pictorial view of one of the sections.



4. **Cart Page**: This dynamic page serves as the central point for assembling carefully selected agricultural products and fresh fruits. Here, you thoughtfully review your harvest, meticulously check your selections, and prepare for the seamless path to checkout. This page ensures that online

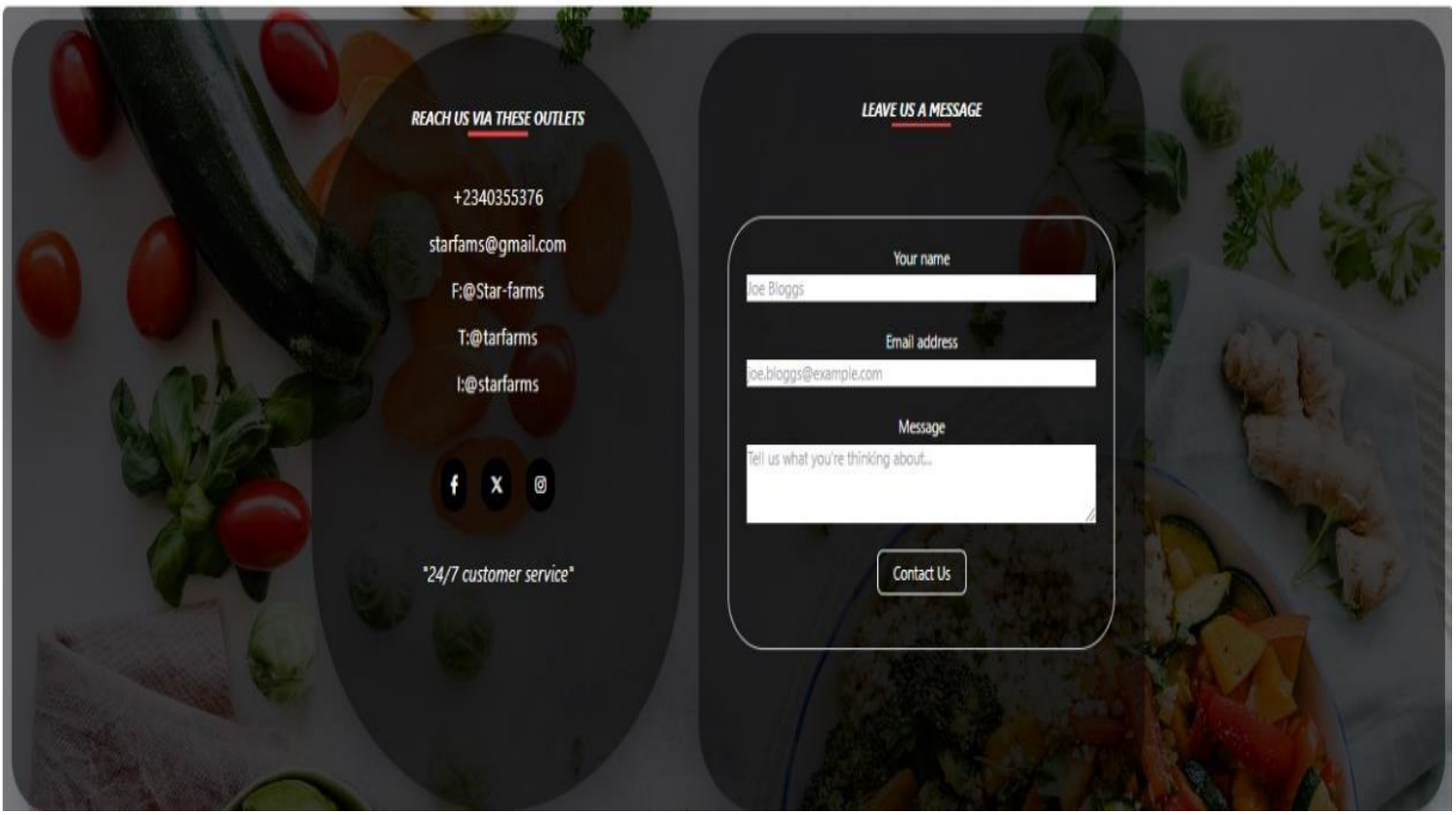
shopping expedition is not just convenient but also tailored to one’s unique preferences and the flavors available.



5. **Contact Us Page**: The website includes a "Contact Us" page with the company's address, which is displayed using the GeoLocation API (e.g., Google Maps). Additionally, a mail address should be provided, which, when clicked, will open the local mail client, enabling users to send emails.

CONTACT US

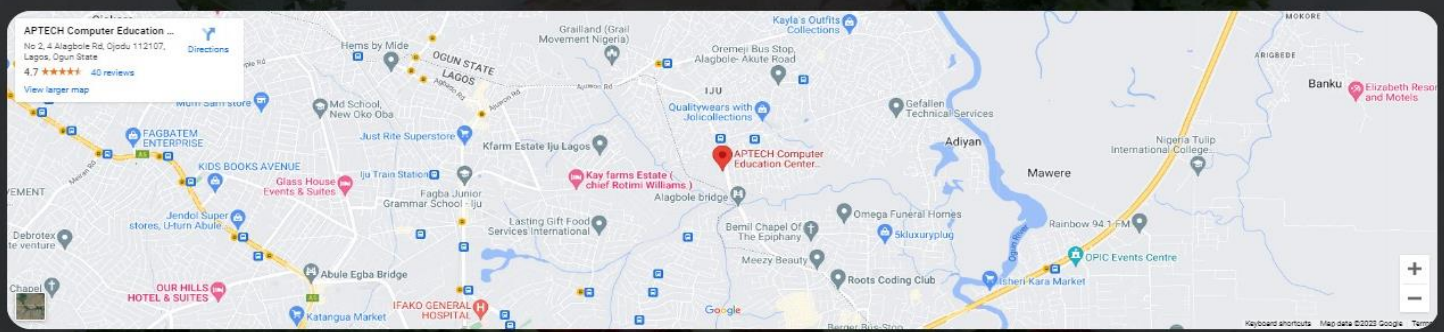
"Contact Us Both Offline And Online For Enuiries"



LOCATE US VIA THE MAP

"Navigation Made Easy"

Address: Aptech Alagbole Center, Ogun State,Nigeria



PROJECT ANALYSIS

Crafting Star Organic Farm's Digital Realm

As the developers entrusted with bringing Star Organic Farm's vision to life in the digital landscape, an in-depth project analysis is pivotal. Let's delve into a comprehensive analysis of the project, including the target audience, market research, competition analysis, and the challenges and opportunities uncovered during the planning phase.

Our primary focus is on a discerning audience that places a premium on health, sustainability, and eco-conscious living. This audience seeks high-quality organic products and values making informed choices. It is essential to cater to the specific needs and preferences of this audience to ensure the success of our project.

Though market research has illuminated a promising landscape. We've identified a rising trend in organic product preferences, reflecting an expanding consumer interest in health and sustainability. Moreover, the market displays considerable growth potential. These findings not only validate our project but also underscore the vast opportunities it offers.

An in-depth analysis of the competitive landscape has been instrumental in shaping our strategy. We've identified key competitors in the organic product market, dissected their product portfolios, and evaluated their strengths and weaknesses. This analysis guides us to position Star Organic Farm as a unique player, offering a comprehensive range of premium-quality organic products.

One of the prominent challenges we face is in effectively translating the company's mission of sustainability and health-conscious living into a digital platform. However, these challenges are also doors to opportunities. They inspire us to create a

platform that not only showcases products but also tells a compelling story. It's an opportunity to build a community of like-minded individuals, educate them about the benefits of organic living, and foster a sense of belonging.

Our project's success hinges on specific functionalities:

1. **User-Friendly Interface**: The platform must provide a welcoming and easily navigable interface, ensuring a seamless experience for visitors.
2. **Robust Product Categorization**: Organizing products effectively, making it effortless for users to locate precisely what they seek.
3. **Detailed Product Descriptions**: Each product comes with comprehensive descriptions, offering insights into its origins, benefits, and qualities, facilitating informed choices.

Technology Stack:

Our chosen technology stack comprises HTML, Vanila CSS, Tailwind CSS and JavaScript, which embodies our vision of a dynamic and enriching online platform. This technology is vital in preserving compatibility across a spectrum of devices, enhancing the user experience, and bringing our vision to life.

In conclusion, our project analysis reveals a landscape ripe with potential within the organic product market. Star Organic Farm is well-positioned to make a significant impact. Our role as the developer is to transform this potential into reality, providing a seamless, accessible, and informative online shopping experience for those who prioritize health, sustainability, and premium-quality organic products. The challenges encountered are opportunities in disguise, and the opportunities ahead are a testament to the transformative power of this project. Together,

we will bring Star Organic Farm's vision to life in the digital world.

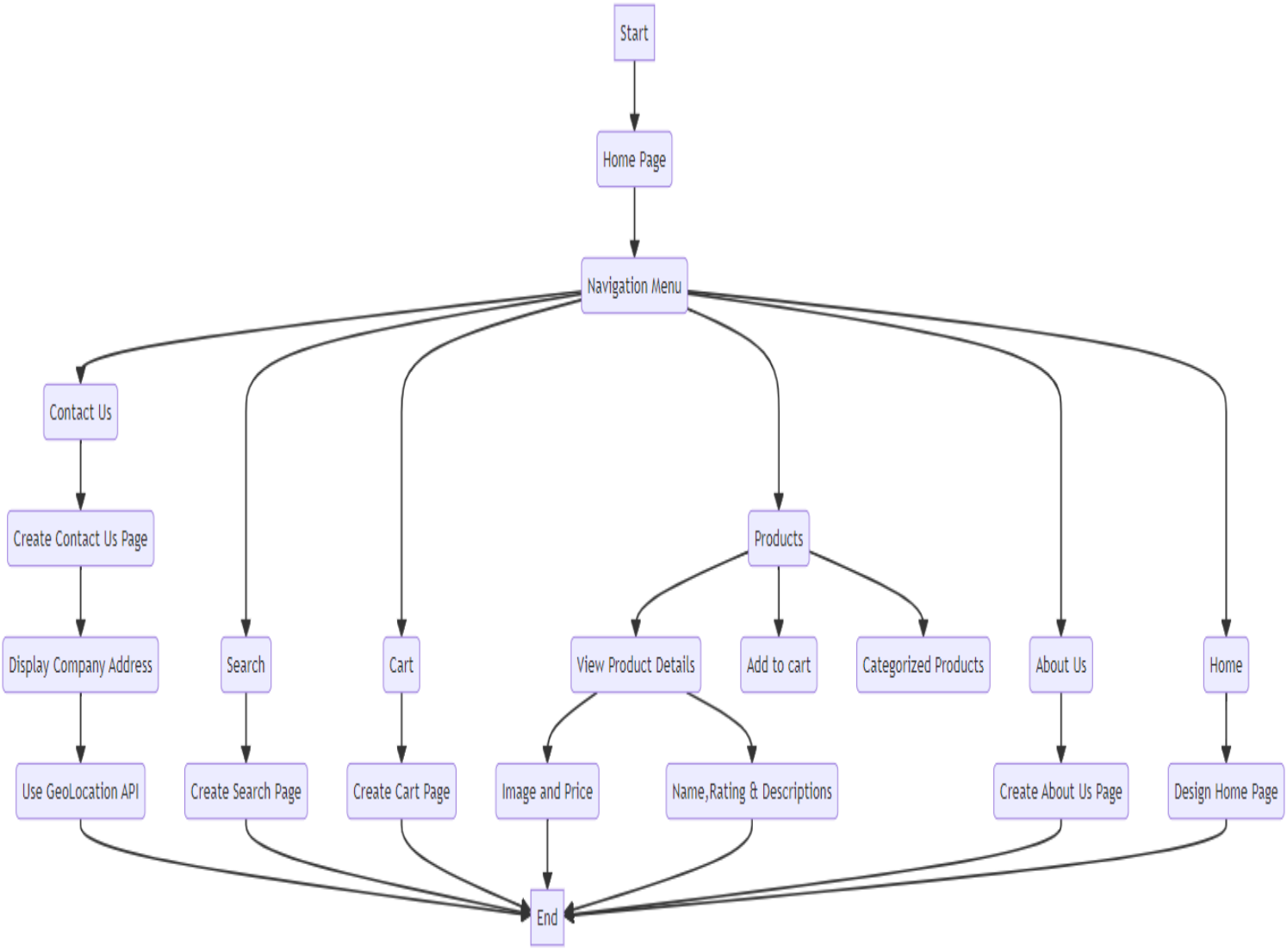
PROJECT DESIGN

The design incorporated a user-friendly navigation menu, interactive buttons, and visually appealing imagery. We utilized HTML5, CSS5, Tailwind CSS, and JavaScript to translate the designs into functional web pages. Using CSS media queries in tailwind CSS, we adjusted layout, typography, and image sizes to adapt to different screen dimensions. This approach ensures that users can access and interact with the website without any loss of functionality, regardless of whether they're using a desktop, tablet, or smartphone.

We conducted comprehensive testing to validate the responsiveness of the website and identify any issues. This covered a range of devices, browsers, and screen sizes to ensure consistent performance which makes our website flexible and convenient enough for users.

The flowchart below shows how the website is structured to enable best user experiences.

Flowcharts


Start
Home Page
Navigation Menu
Contact Us
Create Contact Us Page
Display Company Address
Use GeoLocation API
Search
Create Search Page
Cart
Create Cart Page
Products
View Product Details
Image and Price
Name,Rating & Descriptions
Add to cart
Categorized Products
About Us
Create About Us Page
Home
Design Home Page
End

User Guide

Introduction

Welcome to Star Organic Farms, where your journey into the world of premium organic products begins. Whether you're an experienced organic enthusiast or taking your first steps towards a healthier lifestyle, this user guide is your trusted companion for navigating the bountiful world of Star Organic Farms. Explore our wide array of organic treasures, make informed choices, and embark on a seamless, enriching shopping experience.

➢ *Getting Started*

Embarking on your organic adventure with Star Organic Farms is a breeze:

- **Access the Website:** Open your preferred web browser and enter the URL for the Star Organic Farms website. Our digital doors are always open. Click here to visit the site.

- **Homepage Exploration:** Our inviting homepage awaits your exploration. Discover the thoughtfully organized layout showcasing our extensive collection of organic wonders, enhanced by vibrant imagery that celebrates the beauty of nature.

- **Navigation Menu:** Located at the top of the page, our user-friendly navigation menu provides quick access to vital sections. From product categories to insights into organic farming, it's your gateway to all things organic.

➢ *Content Browsing*

Star Organic Farms offers an abundant variety of premium organic products, and our website is your gateway to effortless exploration:

- **Product Listings:** The Products page proudly displays a curated selection of our finest organic products. Simply scroll through these featured items, and by clicking on the “view details” of any product, you'll unveil a wealth of information to guide your choices.
- **Contact and Support:** At Star Organic Farms, your satisfaction is paramount, and our commitment to exceptional customer support is unwavering.
- **Customer Support:** Our dedicated team is at your service. Reach out via phone or email for prompt and attentive assistance with product inquiries, order guidance, or any questions you may have.
- **Your Feedback Matters:** We value your insights. Your feedback is a cornerstone of our mission to continually enhance your organic shopping experience. Don't hesitate to connect with us at any time to share your thoughts, seek guidance, or provide suggestions.

We trust that this user guide will be an invaluable companion as you explore the diverse world of premium organic products at Star Organic Farms. For further assistance or additional inquiries, our friendly customer support team eagerly awaits your call. Enjoy your organic shopping journey, where the goodness of nature is just a click away.

Developers Guide

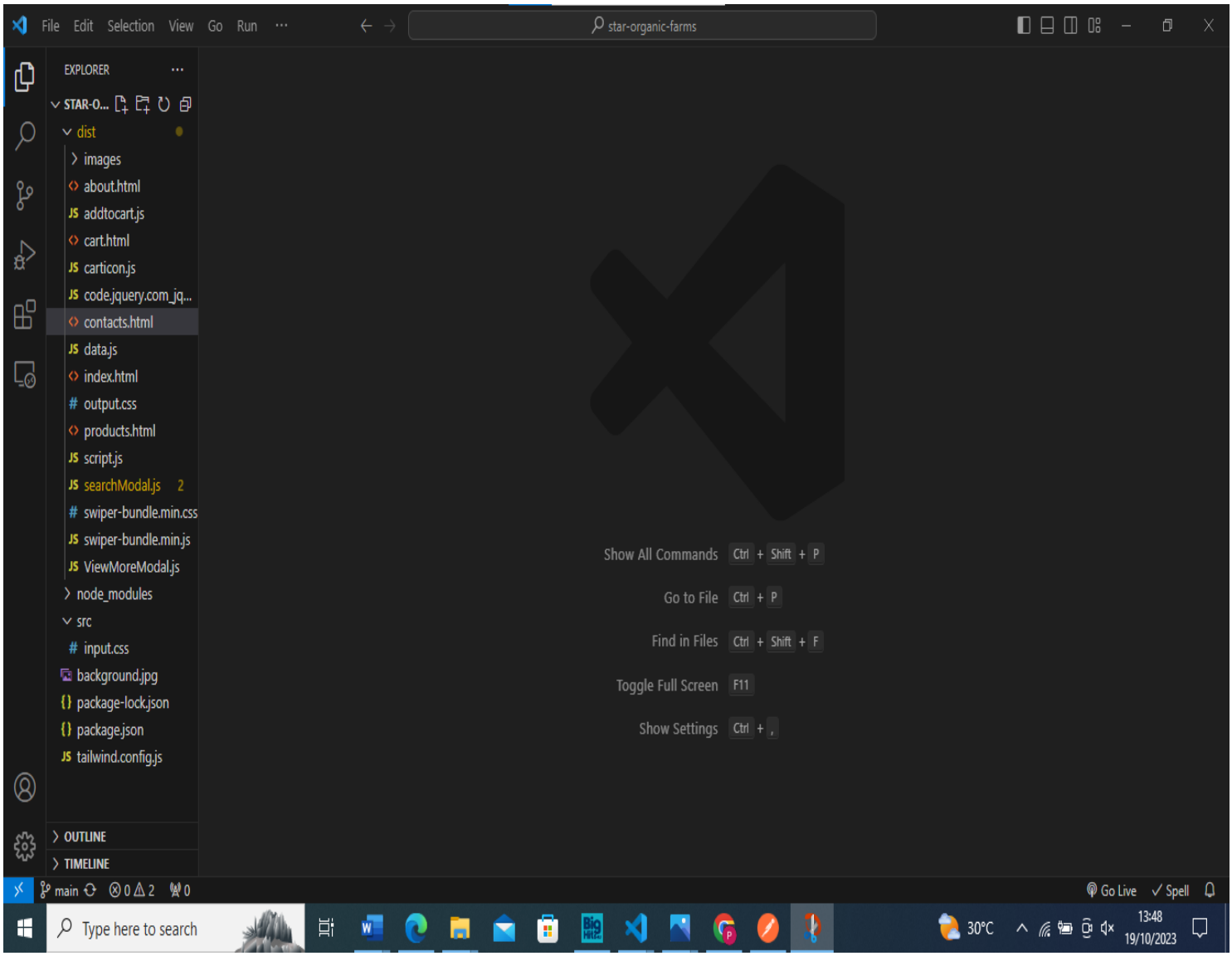
This aims to give a brief description of the technologies used, testing and debugging, Project Structure and Api used.

Technologies used: HTML5, Vanilla CSS, Tailwind CSS, Javascript. The Vanilla CSS used can be found in the input.css file. To install tailwind CSS in your project, you can follow this process here.

Testing and Debugging: Testing and debugging the code is quite simple since its not a complex project. Each part of the code has been properly commented. In case of errors you could check your code editor's terminal or browser terminal.

File Structure: The file structure for our project as shown in the picture below includes:

- A Dist folder: This folder contains the images folder and every other file in our project such as the '.html' file, and '.js' files used.
- A node Modules Folder: This contains the node modules for the project.
- An Src Folder folder: This contains the input.css file which has some default stylings.
- A package-lock.json file
- A package.json fie
- A tailwind.config.js file



API Used: The API used in this project was the google map API to enable ease of access to our physical location