

Ray's Groceries

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COSC 304: Introduction to Databases

University of British Columbia

Group #64

Link to Github: https://github.com/Jupiter-is-BIG/CS304_FinalProject

Mission Statement

Ray's Groceries is your modern and convenient solution for all your grocery needs. We offer a curated selection of high-quality products at unbeatable prices. Experience the future of grocery shopping with us!



Executive Summary

Ray's Groceries is set to reshape the online grocery landscape with a focus on seamless user experiences and premium quality. Our platform offers a diverse product range, user-friendly design, and cutting-edge technology to enhance convenience for shoppers.

About the Company

The Ray's Groceries was established in 2023 by Anand and Dev with a vision to transform the grocery shopping industry. Rooted in the belief that groceries should be both accessible and responsible, we embarked on a journey to create a unique online retail experience.

Key Highlights

- 1. Vision and Mission:** Ray's Groceries aims to make grocery shopping enjoyable by providing a user-friendly platform with a comprehensive product selection.
- 2. Platform Features:** Filters for effective search of your needs, personalized recommendation system, and efficient checkout processes ensure a smooth customer journey.
- 3. Product Range:** We offer high-quality fresh produce, beverages, condiments, dairy products, meat/poultry, seafood, confections, grains and cereals.
- 4. Technology Integration:** Advanced security measures and data analytics enhance user safety, optimize inventory, and improve the overall shopping experience.
- 5. Customer Feedback:** We value your experience and thus, we have a review system on our website for your personal satisfaction.

Ray's Groceries is not just a platform; it's a commitment to simplifying and enhancing the online grocery shopping experience. Join us on this journey to redefine convenience, quality, and sustainability in every shopping interaction.

List Of Features

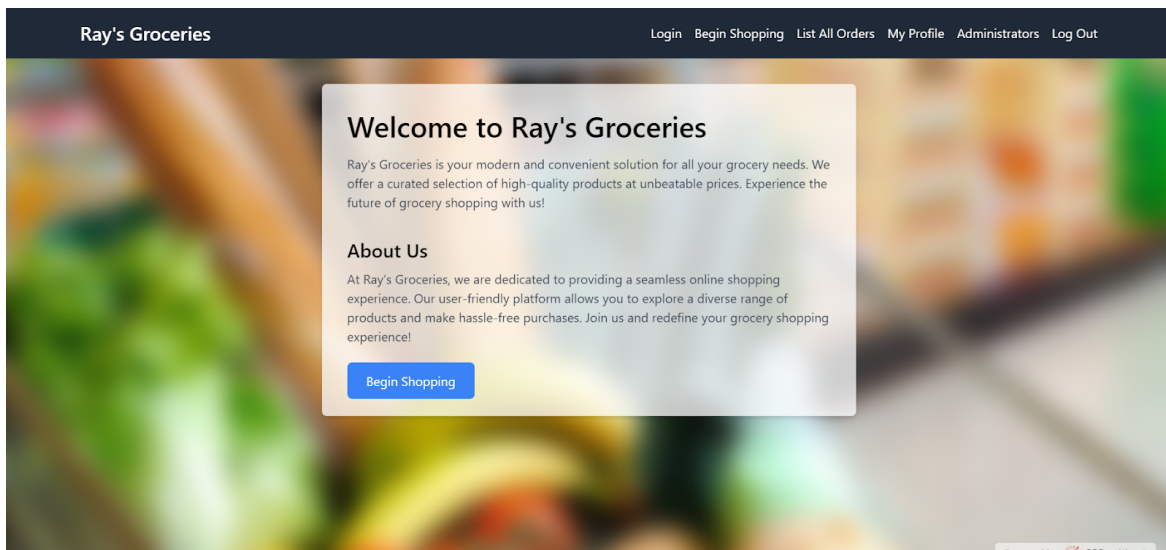
Final Overall System Features	Category	Possible Points	Points	Comments / Code Files
Documentation (15 total points)				
Executive Summary (up to 1 page)	Core	2	2	See above
System Features (2 pages)	Core	2	2	Current Section
List of Web and AI sources used	Core	3	3	ChatGPT used for design and layout (tailwind.css in login.php, createuser.php, index.php) Stackoverflow for bug fixing. TailwindCSS Documentation
Walkthrough with screenshots (up to 15 pages)	Core	8	8	Starts on Page 5
Hosting (10 total points)				
Running on cloud server	Advanced	10	10	Website: https://cs304-shop.000webhostapp.com/ Database Hosting: https://www.freemysqlhosting.net/ Frontend Deployed: 000webhostapp
Main/Home Page (up to 14 total points)				
Search for a product by name	Core	1	1	listprod.php
Browse products by category	Core	1	1	listprod.php
List products (by search/browse)	Core	1	1	listprod.php
List products with image	Core	1	1	listprod.php
Page header with menu	Basic	1	1	listprod.php
Page header shows current logged in user	Basic	1	1	listprod.php
Dynamic products on page based on sales	Basic	2	2	listprod.php
Improved UI (user-friendly, images, etc.)	Basic	2	2	listprod.php
Product recommendation based on user	Advanced	4	4	listprod.php
Shopping Cart (up to 8 total points)				
Add to shopping cart	Core	1	1	addcart.php
View shopping cart	Core	1	1	showcart.php
Update quantity (with data validation)	Basic	1	1	showcart.php
Remove item from shopping cart	Basic	1	1	showcart.php
Improved formatting/UI (e.g. in header bar)	Basic	1	1	showcart.php

Cart stored in database between sessions	Basic	3		
Checkout (up to 9 total points)				
Checkout with customer id	Core	1	1	checkout.php
Checkout with payment/shipment info	Basic	2	2	order.php
Checkout with data validation	Basic	2	2	
Multiple shipments per order supported	Advanced	2		Note: Requires DB change.
Calculate taxes/shipping (by items/state)	Advanced	2		Note: Requires DB change.
Product Detail Page (up to 2 total points)				
Product detail page and item description	Core	1	1	product.php
Product detail has an image from database	Core	1	1	product.php

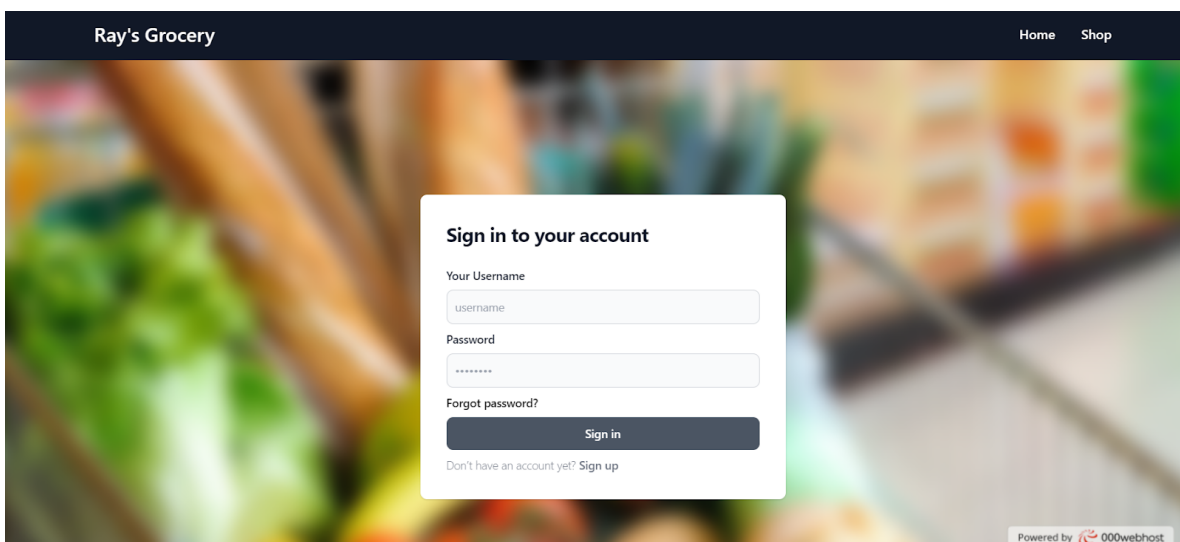
User Accounts/Login (up to 12 total points)				
Create user account page	Basic	2	2	createuser.php
Create account with data validation	Basic	2		
Edit user account info (address, password)	Basic	2	2	customer.php
Login/logout	Core	1	1	logout.php
Register user/Forgot password email	Advanced	4		
Page listing all orders for user	Core	1	1	customer.php
Product Reviews (up to 5 total points)				
Ability to enter a review on a product	Basic	2		
Display product review on product detail page	Basic	1		
Restrict to one review per user on item purchased	Advanced	2		
Warehouses/Inventory (up to 5 total points)				
Display item inventory by store/warehouse	Basic	2		
Edit item inventory by store/warehouse	Advanced	3		
Administrator Portal (up to 19 total points)				
Secured by login	Core	1	1	admin.php redirects to login.php
List all customers	Core	1	1	admin.php
List report showing total sales/orders	Core	1	1	admin.php
Report with a graph	Advanced	3	3	admin.php

Add new product	Basic	2		
Update/delete product	Basic	2		
Change order status/ship order	Basic	1		
Upload a photo to file system for product	Advanced	2		
OR: Upload a photo to database for product	Advanced	4	4	upload_image.php
Database restore with SQL script	Basic	2	2	loaddata.php / admin.php
Add/update warehouse, customer	Basic	2		
Database System/General				
Implement some validation using triggers	Advanced	2		
Use AJAX for some pages	Advanced	4		
User interface and navigation/usability		Up to 5	5	Improved UI/UX with TailwindCSS
<i>Others (your suggestions)</i>		Up to 5		
Class Presentation			5	
Total: (out of 50 with maximum of 10 bonus marks. i.e. 60 points out of 50 is max.)			80	

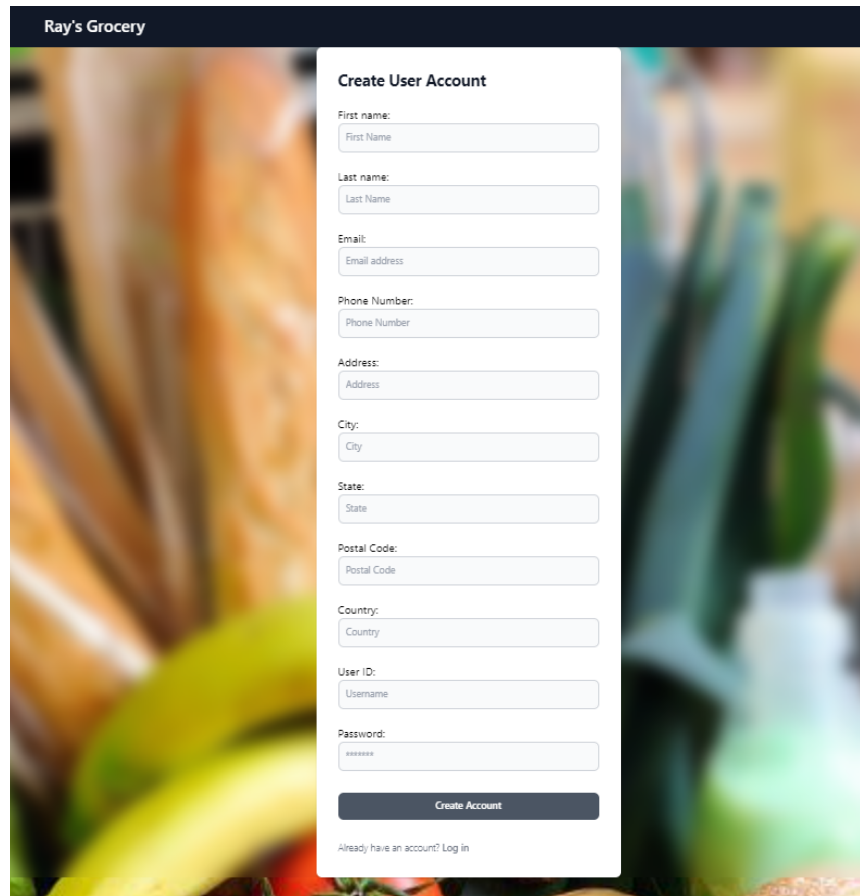
Walkthrough



- 1) Welcome to Ray's Groceries. This is the homepage that users see when first entering Ray's groceries. Users can choose to login or begin shopping.



- 2) This is the login page, where users can login using their accounts and begin shopping. If a user doesn't have an account, they can click the sign up button which will redirect them to the create user account page.

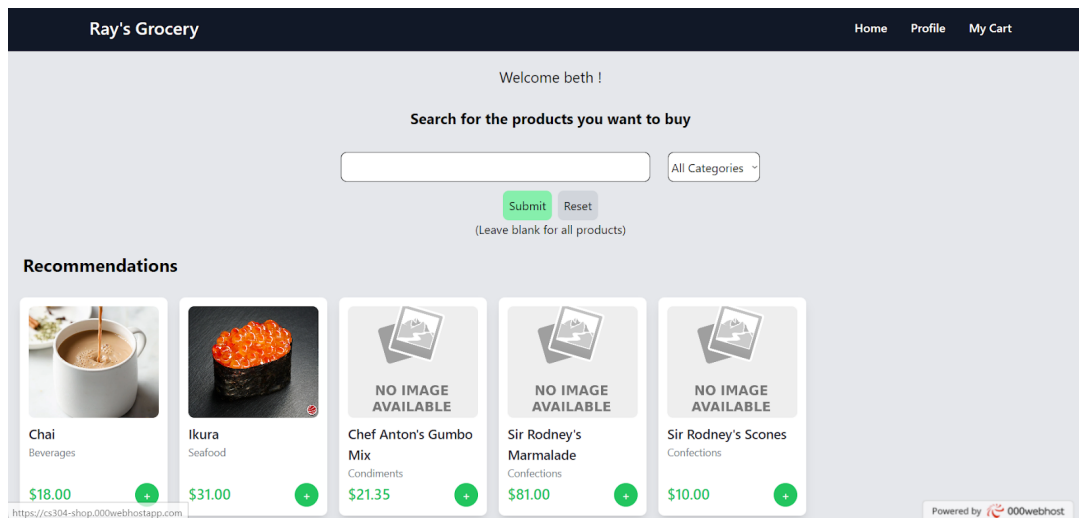


The image shows a screenshot of the 'Create User Account' form on the Ray's Grocery website. The form is centered on a background of fresh produce. The form fields are as follows:

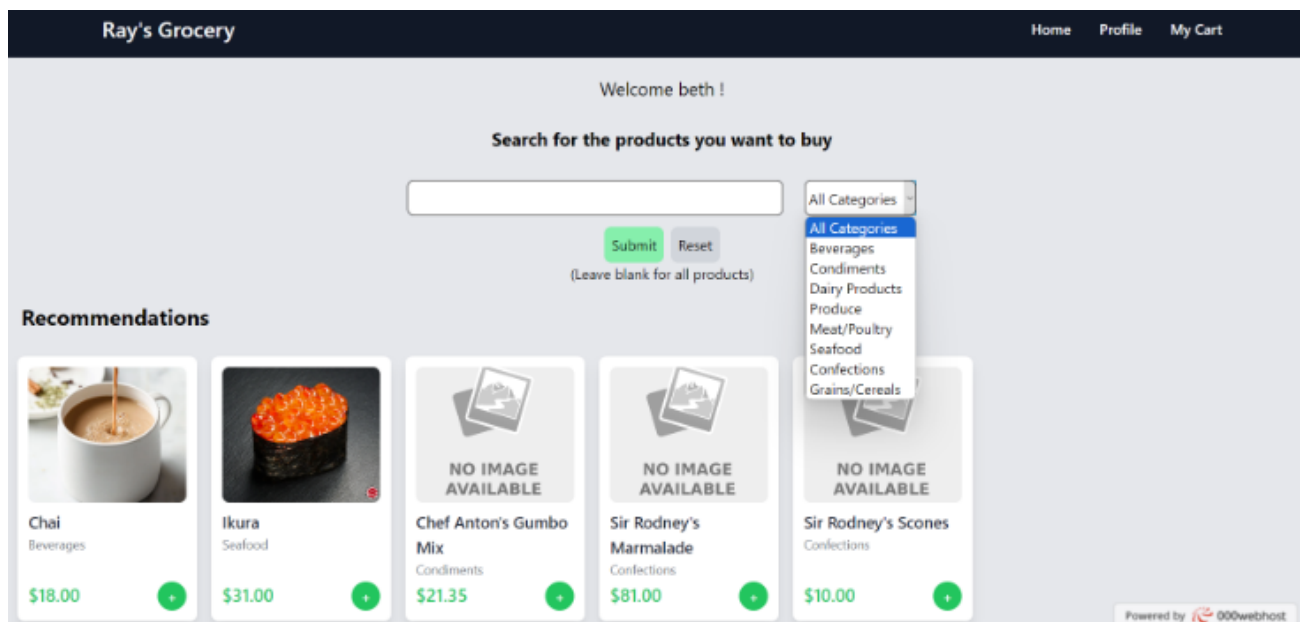
- First name:** Input field with placeholder text 'First Name'.
- Last name:** Input field with placeholder text 'Last Name'.
- Email:** Input field with placeholder text 'Email address'.
- Phone Number:** Input field with placeholder text 'Phone Number'.
- Address:** Input field with placeholder text 'Address'.
- City:** Input field with placeholder text 'City'.
- State:** Input field with placeholder text 'State'.
- Postal Code:** Input field with placeholder text 'Postal Code'.
- Country:** Input field with placeholder text 'Country'.
- User ID:** Input field with placeholder text 'Username'.
- Password:** Input field with placeholder text 'xxxxxx'.

At the bottom of the form is a dark grey button labeled 'Create Account'. Below the button, there is a link that says 'Already have an account? Log in'.

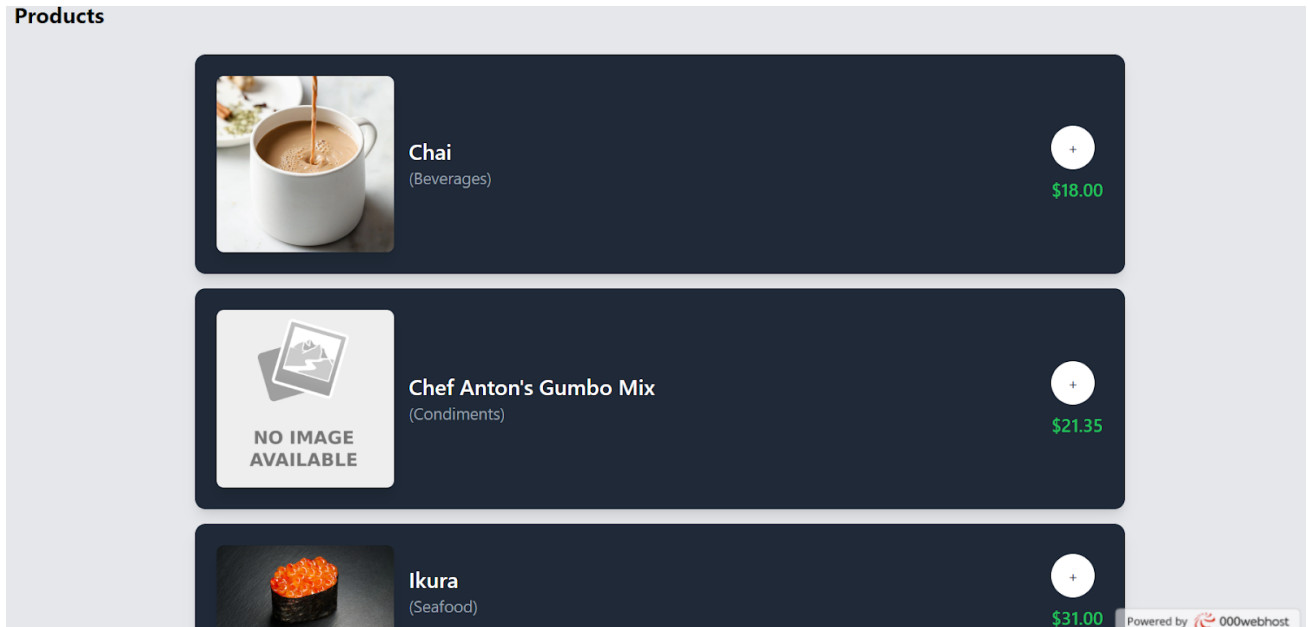
- 3) This is the create user account page, where a user can enter the required information and create their account. Once a user logs in/creates an account they will be led back to the homepage where they can begin shopping.



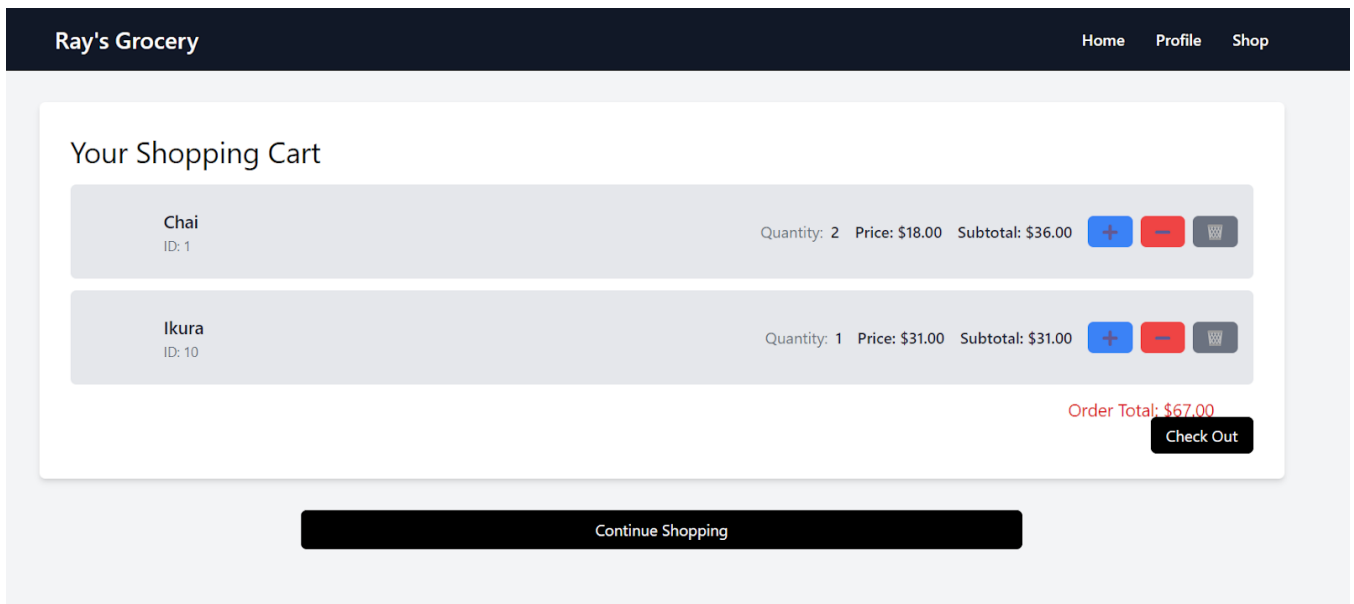
- 4) This is what the user sees after clicking begin shopping. A few recommendations based on preferences of the user are also shown.



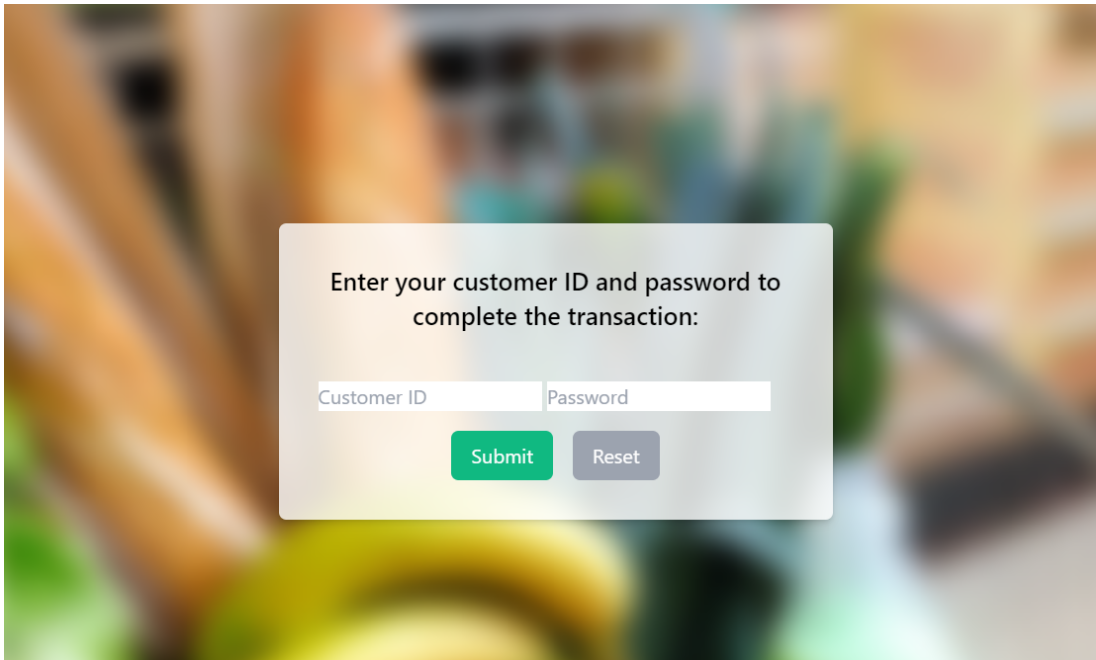
- 5) The user can also filter products according to various categories (as seen above)



- 6) Once a user scrolls down they see more product options in the website. The user can click the plus to add the product to their cart and clicking the plus takes the user to their cart.



- 7) The above picture is the shopping cart that displays once the user clicks the plus sign on a product. The user can click the plus or minus sign to control the quantity of the products and they can choose to either check out or continue shopping.



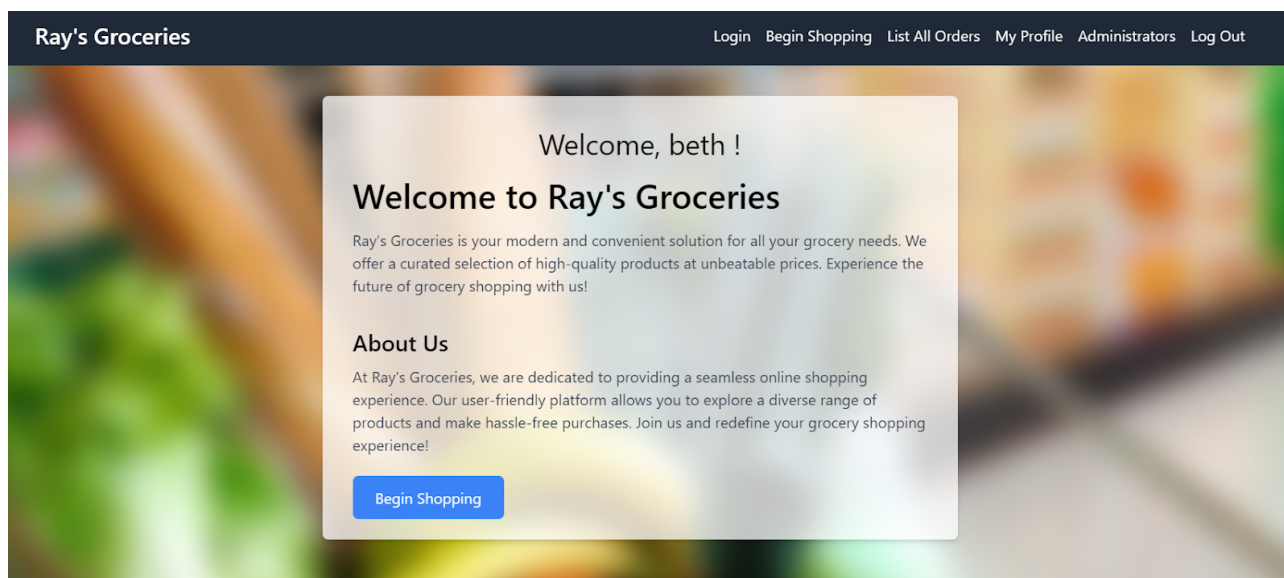
- 8) Once the user clicks check out, they are redirected to the following page where they are requested to enter their ID and password in order to complete the transaction.

Summary of Purchase

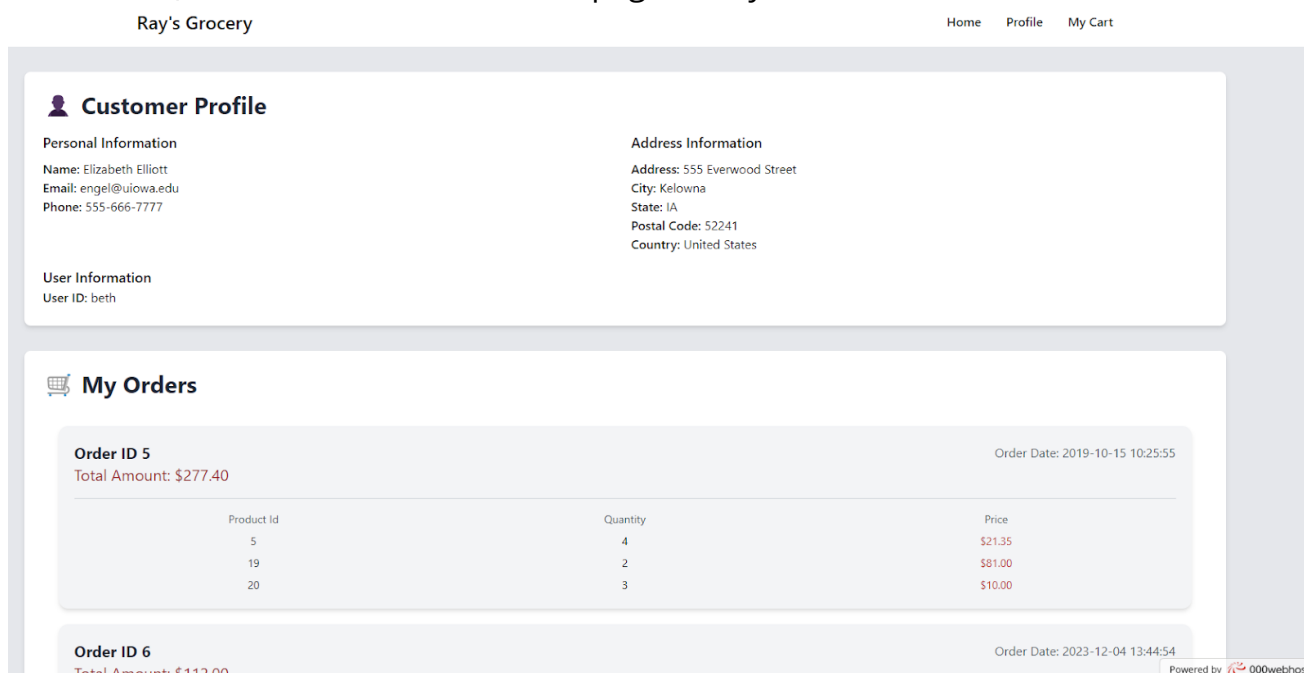
Chef Anton's Gumbo Mix	Quantity: 1	Price: \$21.35
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Total Amount: \$21.35
[Home](#)

- 9) Once the transaction is completed, a receipt of purchased products is shown to the user as shown above.



10) Once a user is logged in, they have the options to check their profiles by clicking My profile on the top right. A user can also click Administrators (refer to 12) to view the administrators page if they are an administrator.



11) A user can check all of their orders on the Customer profile page. Along with their previous orders, this profile page will also display their information as shown above.

✏ Edit Profile

Address Information

Address:

City:

State:

Postal Code:

Country:

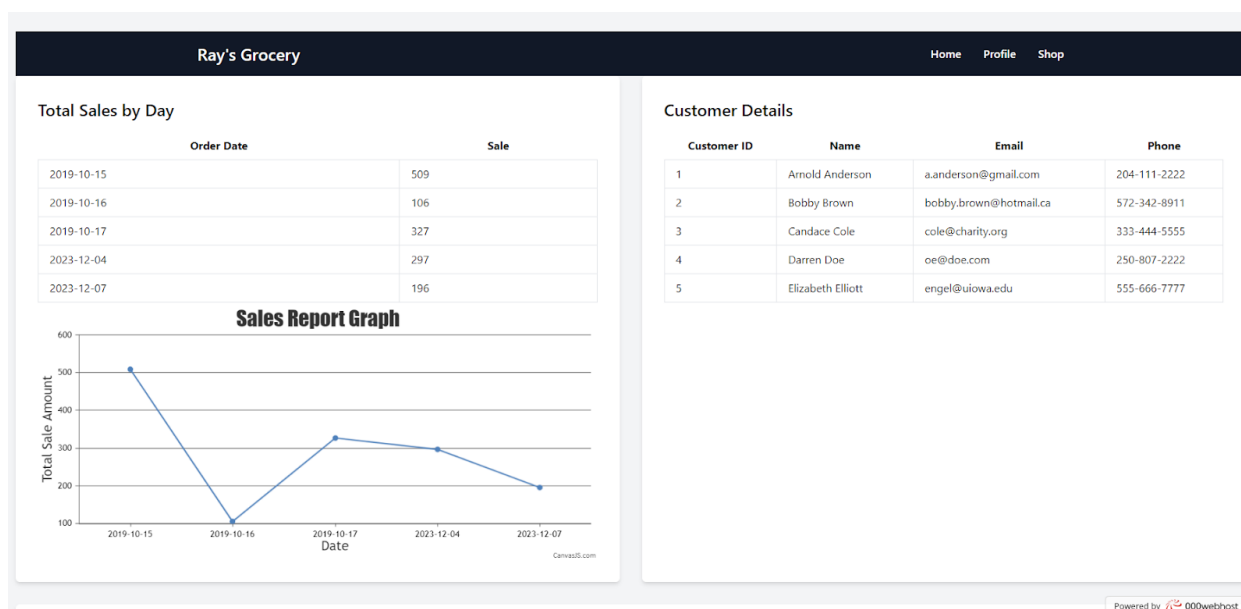
Change Password

Old Password:

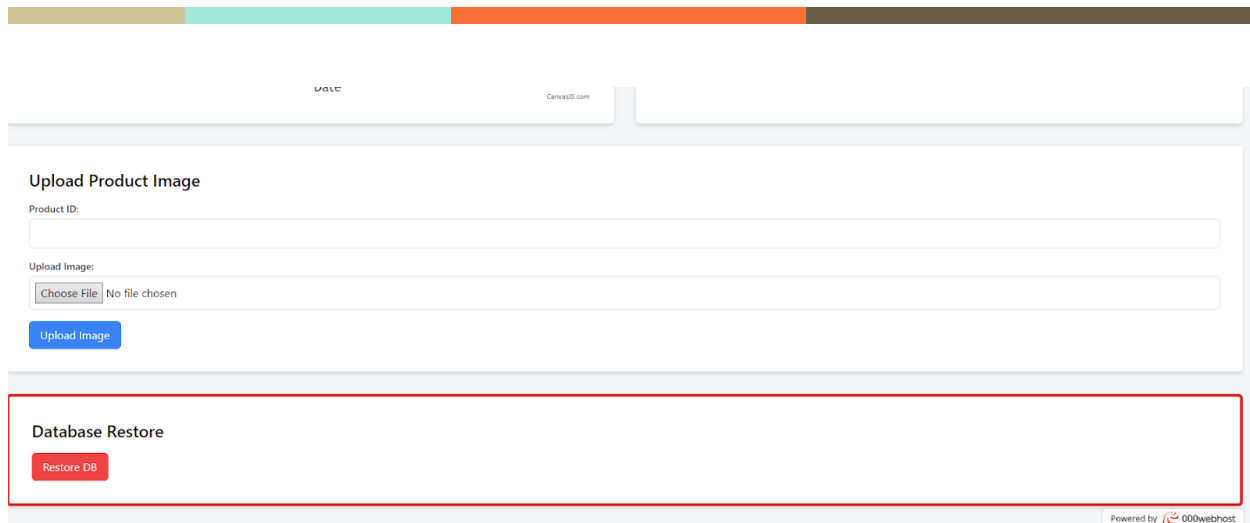
New Password:

Powered by 000webhost

- 12) When the user scrolls further down in the profile page, they will see an option to edit their profile information. All the changes made to the profile will be saved to their accounts once they click save changes.



- 13) The above picture is the page the user will see after clicking administrators (top left of homepage). A sales report graph is shown along with a table showing the total sales by day to the customers. Additionally, customer details are provided on the right side of the page.



The screenshot displays a web interface with a header bar containing the text 'v2.0.0' and 'Canvas.com'. Below the header, there are two main sections. The first section, titled 'Upload Product Image', contains a 'Product ID:' label followed by an empty text input field. Below this is an 'Upload Image:' label followed by a file selection area that includes a 'Choose File' button and the text 'No file chosen'. A blue 'Upload Image' button is positioned below the file selection area. The second section, titled 'Database Restore', is enclosed in a red border and contains a red 'Restore DB' button. At the bottom right of the page, there is a small text label 'Powered by' followed by a logo and the text '000webhost'.

14) Scrolling down in the administrator page we can also find an option to restore the database and to upload an image for a specific product ID.