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University of British Columbia Okanagan

COSC 304: Introduction to Databases – Group 49

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GitHub Repository

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Mission Statement

At Café Nadiana, our mission is to make exceptional, ethically and sustainably sourced coffee accessible to all while uplifting local growers and roasters. We bring the warmth of our community to customers nationwide through eco-friendly brews, low-impact packaging, and high-quality coffee tools so you can enjoy your coffee and feel good about it.

Executive Summary

Café Nadiana is an online coffee shop offering ethically and sustainably sourced products to customers across Canada. Our products include coffee beans (ground or whole), as well as top quality coffee tools. Our goal is to make premium, great tasting local coffee more accessible while also supporting planet-friendly productions practices.

The website provides our customers a seamless shopping experience featuring easy product searching, browsing and category filtering. Customers can view product pages with product details and images for a better shopping experience and can add one or many units of a product to their cart at once. We have also included customer data persistence to help the checkout process to be smoother and simpler.

Our passionate, coffee-loving team has prioritized the use of environmentally friendly, recyclable, and compostable materials and packaging so that our customers know that they're making a positive impact with every purchase.

Café Nadiana offers a customer-focused online marketplace where quality coffee, sustainability, and convenience all come together. From beginners to knowledgeable coffee-lovers, our shop encourages exploration of a variety of coffee flavours, products from local roasters, high quality brewing tools and more to elevate the at-home coffee experience, adding reliability and intention to your mornings.

Sample customer login:
- User id: darren
- Customer id: 4

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    -  Password: 304Darren!
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System Features

Final Overall System Features	Category	Possible Points	Points	Comments / Code Files
Documentation (15 total points)				
Executive Summary (up to 1 page)	Required	2	2	
System Features (2 pages)	Required	2	2	
List of Web and AI sources used	Required	3	3	
Walkthrough with screenshots (up to 15 pages)	Required	8	8	
Hosting (10 total points)				
Running on a cloud server	Advanced	10		
Main/Home Page (up to 14 total points)				
Search for a product by name	Core	1	1	Lab 7
Browse products by category	Core	1	1	Lab 7
List products (by search/browse)	Core	1	1	Lab 7
List products with image	Core	1	1	Lab 8
Page header with menu	Basic	1	1	
Page header shows the current logged-in user	Basic	1	1	Lab 8
Dynamic products on homepage based on sales	Basic	2	2	
Improved UI (user-friendly, images, etc.)	Basic	2	2	
Product recommendation based on the user	Advanced	4	4	
Shopping Cart (up to 8 total points)				
Add to shopping cart	Core	1	1	Lab 7

View shopping cart	Core	1	1	Lab 7
Update quantity (with data validation)	Basic	1	1	
Remove item from shopping cart	Basic	1	1	
Improved formatting/UI (e.g. in header bar)	Basic	1	1	• Cart item count badge (red circle with number) • Active page highlighting - current page button is visually distinct • Enhanced hover effects with smooth transitions, shadows, and lift animation • Improved welcome message styled with gradient background • Clean separators between navigation links • Stats bar showing store metrics (25+ products, 4.8 rating, free shipping) • Responsive design that works on mobile devices • Modern gradient background for header • Subtle animations on cart badge
Cart stored in database between sessions	Basic	3	3	
Checkout (up to 9 total points)				
Checkout with customer id	Core	1	1	Lab 7
Checkout with payment/shipment info	Basic	2	2	
Checkout with data validation	Basic	2	2	
Multiple shipments per order supported	Advanced	2	2	Note: Requires DB change.
Calculate taxes/shipping (by items/state)	Advanced	2	2	Note: Requires DB change.
Product Detail Page (up to 2 total points)				
Product detail page and item description	Core	1	1	Lab 8
Product detail has an image from database	Core	1	1	Lab 8

User Accounts/Login (up to 12 total points)				
Create user account page	Basic	2		
Create account with data validation	Basic	2		
Edit user account info (address, password)	Basic	2		
Login/logout	Core	1	1	Lab 8
Register user/Forgot password email	Advanced	4		
Page listing all orders for logged in user	Basic	1		
Product Reviews (up to 5 total points)				
Ability to enter a review on a product	Basic	2	2	
Display product review on product detail page	Basic	1	1	
Restrict to one review per user on item purchased	Advanced	2	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 18 total points)				
Secured by login	Core	1	1	Lab 8
List all customers	Basic	1	1	
List report showing total sales/orders	Basic	1	1	
Report with a graph	Advanced	3		
Add new product	Basic	2	2	
Update/delete product	Basic	2	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		
Database restore with SQL script	Core	1	1	Lab 7
Add/update warehouse, customer	Basic	2		

Database System/General				
Implement some validation using triggers	Advanced	2		
Use JavaScript validation for some pages	Advanced	4		
User interface and navigation/usability		Up to 5		
Others (your suggestions)		Up to 5		
Total: (out of 50 with maximum of 10 bonus marks. i.e. 60 points out of 50 is max.)			62	

Walkthrough

1. Homepage
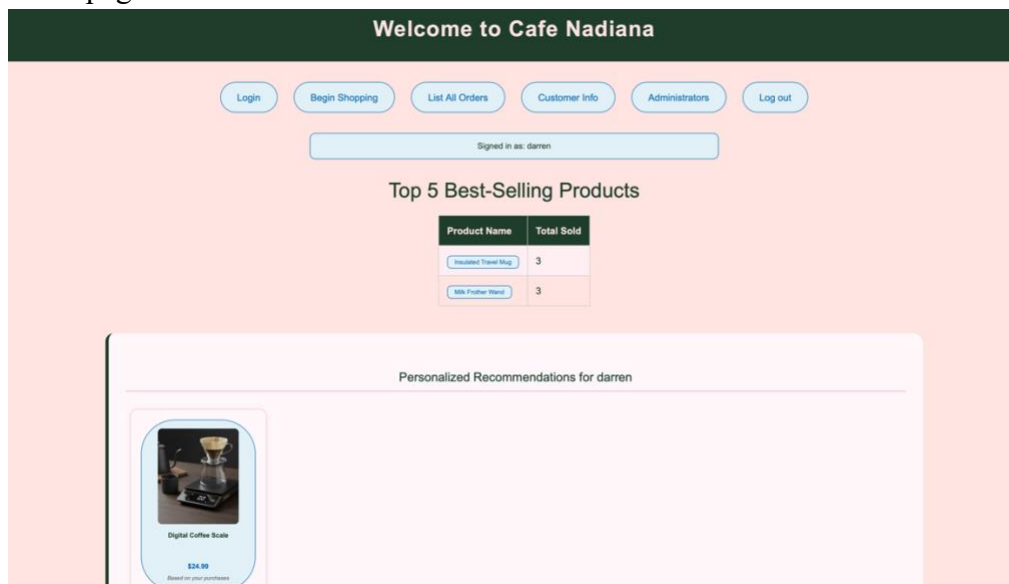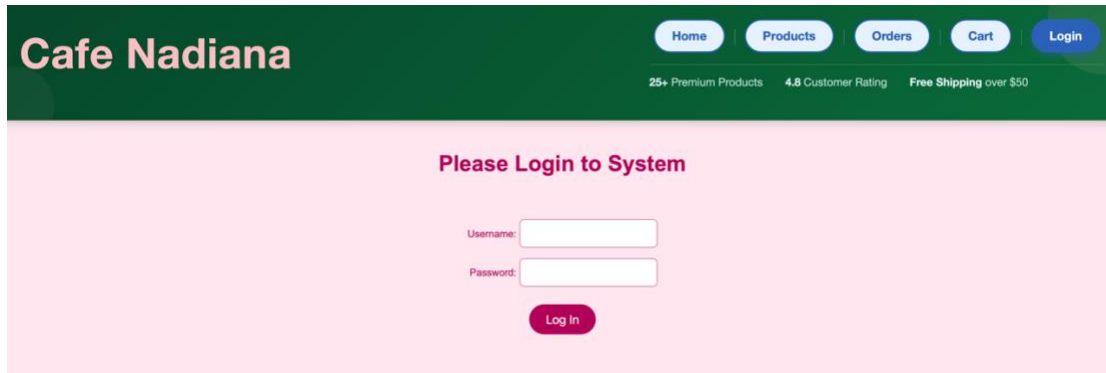
On the homepage, we have options at the top to shop, login, check info, etc. and below that the top 5 best selling products as well as some personalized recommendations

2. Navigation bar

Our navigation bar features a welcome greeting, our shop name, and the option to go to the home page, view our products, past orders, shopping cart, and a login/logout button.
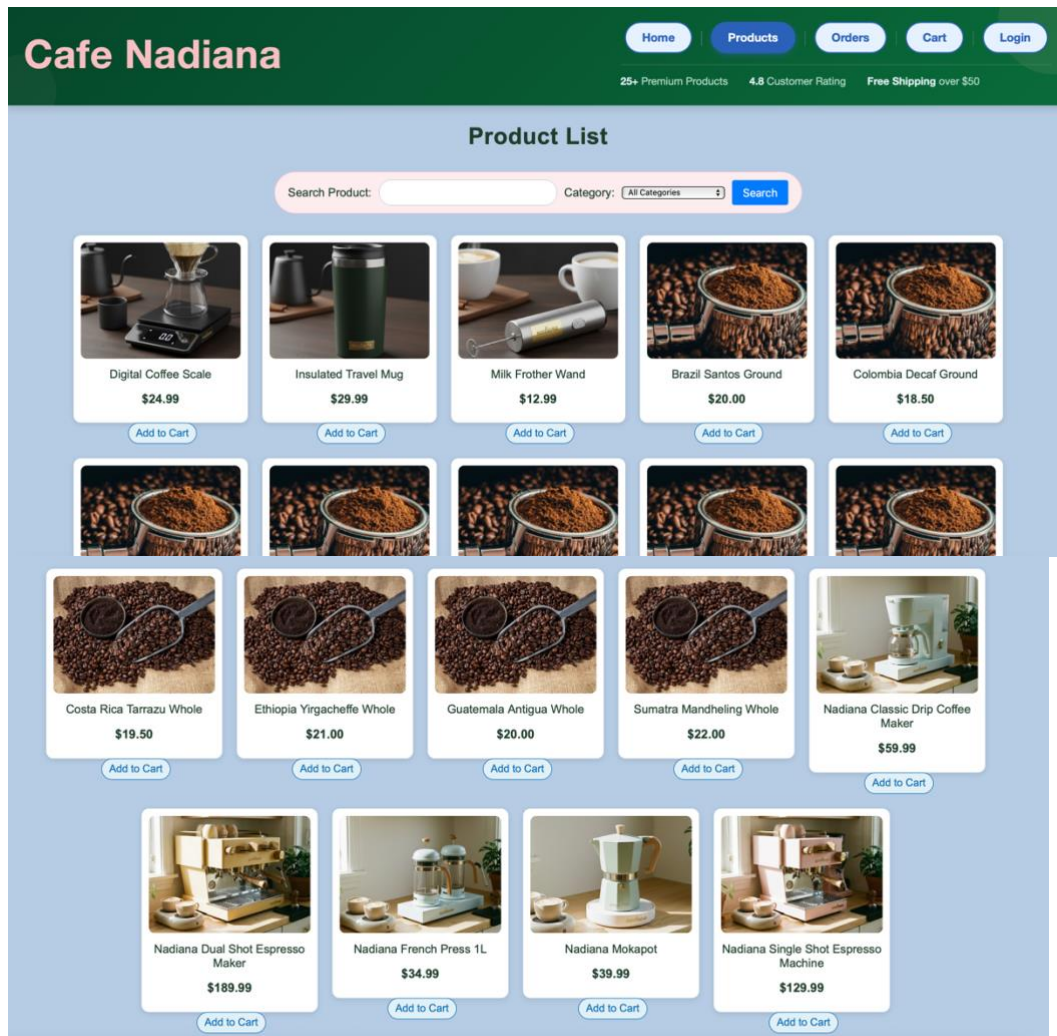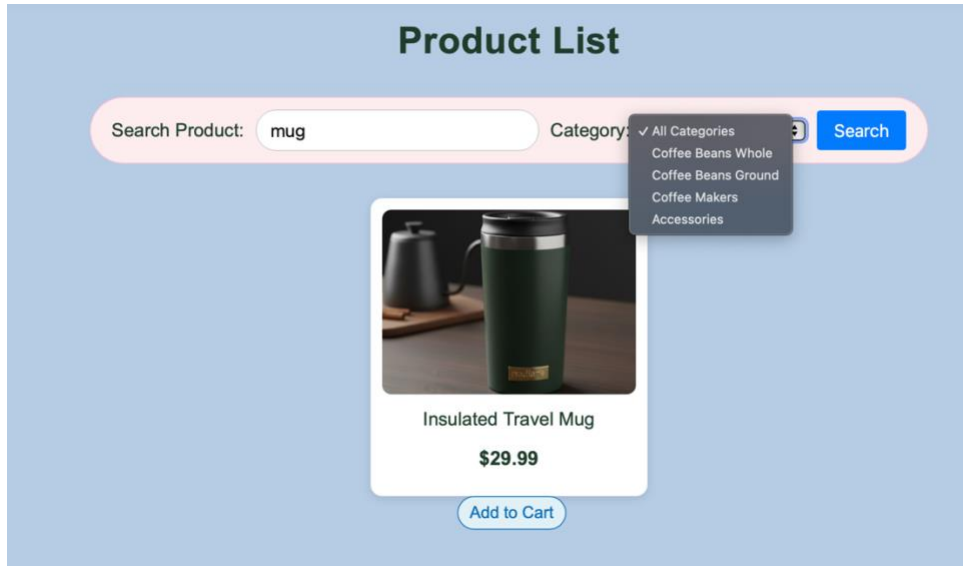
3. Login page

Customers must log in to checkout, view the admin report, view order history, and get product recommendations.
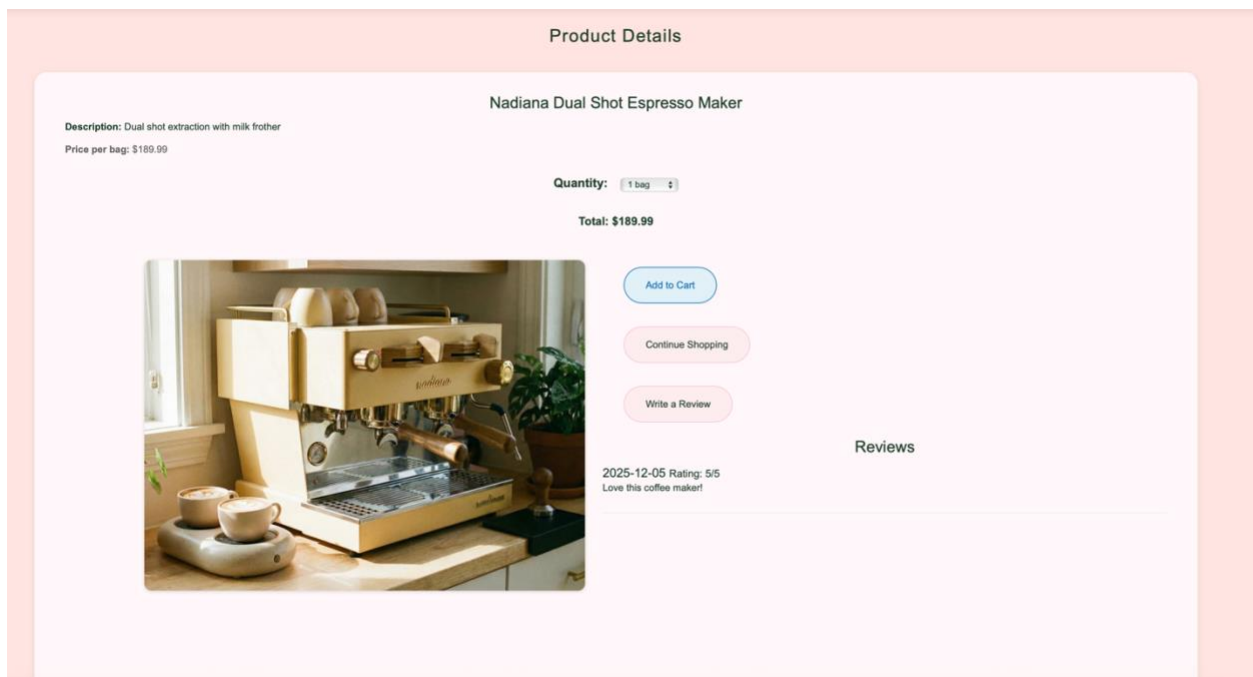
4. Begin shopping

The products all have an add to cart button, and the users can see the price of each product, as well as a photo, and the name. Clicking on a certain item will lead to the product detail page.

5. Category/product name filter

Users can filter results by category or by search or both to make the process of finding items easier.

6. Product detail page

Additional information about products is stored such as a description, a picture, price, and reviews. From here, users can leave reviews, see past reviews, add one or multiple to cart, or continue shopping.

7. Write a review

Customers may leave a rating and review on a product, it is limited to one review per product per customer.

8. Add to cart, Update/view cart

In the shopping cart page customers may change the quantity of items, remove items, go back to the products page, or checkout. The chopping cart is stored in the database when a user is logged in.

9. Checkout page

Checkout

Billing Information

First Name:

Last Name:

Email:

Phone:

Payment Method

Card Type:

Select Card Type ▲▼

Card Number:

1234 5678 9012 3456

| Visa | MC | AmEx | Discover |

Expiry Date (MM/YY):

MM/YY

CVV:

Order Summary

Nadiana Dual Shot Espresso Maker x 1	$189.99

Subtotal:	$189.99
Tax:	$13.30
Shipping:	$0.00
Grand Total:	**$203.29**

Shipping Policy

- Free shipping on orders over $100
- Taxes calculated based on shipping address
- Orders ship within 1-2 business days
- Multiple shipments available for different addresses

Shipping Information

Address Line 1:

Address Line 2 (Optional):

City:

State/Province:

Select State/Provir ▲▼

Postal/ZIP Code:

Country:

United States ▲▼

Shipping Options

○ **Standard Shipping (5-7 business days) - $5.99**

○ **Expedited Shipping (3-4 business days) - $8.99**

○ **Express Shipping (1-2 business days) - $12.99**

Multiple Shipments

☐ **Ship items to multiple addresses**

Place Order   Return to Cart

Our checkout process requires standard online shopping information such as name, email, address, phone number, a credit card number and type, and a choice of shipping speed. It also shows info about the total prices, tax, and shipping policy.

10. Order confirmation

Order Confirmed!

Thank you for your order. Your order number is **#7**

Order Summary

Order Date:	2025-12-05 23:49:00.843
Order Number:	#7
Subtotal:	$189.99
Tax:	$22.80
Shipping:	$0.00
Total Amount:	**$212.79**

Items Ordered

Nadiana Dual Shot Espresso Maker x 1	$189.99

Items Ordered

Nadiana Dual Shot Espresso Maker x 1	$189.99

Shipment Information

Shipment #3
Status: Processing

Continue Shopping   View My Orders

A confirmation email has been sent to your registered email address.
You will receive tracking information once your order ships.

Once checked out, this page will show a summary of the order that was placed with the order number and order status.

11. Customer info

Customers may view their own profile information when logged in.

12. See past orders

Order Breakdown

Subtotal:	$189.99
Tax:	$22.80
Shipping:	FREE
Grand Total:	**$212.79**

Products Ordered

Product ID	Product Name	Quantity	Unit Price	Total
18	Nadiana Dual Shot Espresso Maker	1	$189.99	$189.99

Shipment Information

Shipment #3

Status: **Processing**

When logged in, users can also see their past orders with the shipping status and order details.

13. Admin page

Administrator Report

Manage Products

Daily Total Sales

Order Date	Total Sales
2025-12-05	$357.20

Overall Sales Summary

Total Orders	Total Sales
2	$357.20

Customer List

ID	Username	Name	Email	Phone	Address	City	State	Postal Code	Country
1	arnold	Arnold Anderson	a.anderson@gmail.com	204 111 2222	103 AnyWhere Street	Winnipeg	MB	R3X 45T	Canada
5	beth	Elizabeth Elliott	engel@uiowa.edu	555 666 7777	555 Everwood Street	Iowa City	IA	52241	United States
				572					

For users that are admin, an administrator report is available which gives a daily summary of sales, a total all-time summary of sales, and a list of all customers in the database.

14. Manage products (as admin)

Update Product

Product ID to Update:

Add Product

New Product Name:

Product Name:

New Price:

Price:

New Image URL:

Image URL:

New Description:

Description:

New Category ID:

Category ID:

Add Product

Update Product

Current Products

ID	Name	Price	Description	Category ID	Actions
1	Colombia Supremo Whole	18.0	12 oz bag, Medium Roast	1	Delete
2	Brazil Santos Whole	19.0	12 oz bag, Medium Dark Roast	1	Delete
3	Ethiopia Yirgacheffe Whole	21.0	12 oz bag, Light Floral Roast	1	Delete
4	Guatemala Antigua Whole	20.0	12 oz bag, Medium Roast	1	Delete
5	Sumatra Mandheling Whole	22.0	12 oz bag, Dark Earthy Roast	1	Delete
6	Costa Rica Tarrazu Whole	19.5	12 oz bag, Bright Medium Roast	1	Delete
7	Colombia Decaf Whole	17.5	12 oz bag, Medium Roast	1	Delete
8	Costa Rica Decaf Whole	19.5	12 oz bag, Dark Roast Decaf	1	Delete
9	Colombia Supremo Ground	19.0	12 oz bag, Medium Roast	2	Delete
10	Brazil Santos Ground	20.0	12 oz bag, Medium Dark Roast	2	Delete
11	Ethiopia Yirgacheffe Ground	22.0	12 oz bag - Light Floral Roast	2	Delete

Administrators may add, remove, or update products which are stored in the database.

Web and AI Sources

https://chatgpt.com/share/6930d854-b350-8008-833b-897f6aecee16

https://gemini.google.com/share/4a68e6cdfdc3

https://gemini.google.com/share/edf9d8a77b97

https://chatgpt.com/share/69336d95-18a0-8008-a909-eaa343919760

https://chatgpt.com/share/69312e19-d9c4-8008-a3f5-c041c6befccb