University of British Columbia

COSC 304: Introduction to Database

Group 29

COHO

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GitHub Repository Link:
https://github.com/ColinLefter/CoHo-Architectural-Design

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Mission Statement

With the new age of technology coming, we at COHO Architectural Design aim to deliver a variety of futuristic architecture designs to our customers in a fast and efficient manner. Our designs will shorten the time for a wide range of residential construction. No longer will you have to wait for the design when the design is going to be available to you within a few clicks. We also aim to bring in at least 5 new designs every quarter to our ever-expanding library, so that you will always be able to find the one that is right for you. At COHO, we make it right and quick for our customers.

Executive Summary

COHO Architectural Design is at the leading edge of innovation inside the architectural industry, poised to revolutionize the manner residential creation initiatives are conceived and achieved inside the swiftly advancing technology of technology. Our task is clear: to supply a diverse and ever-expanding array of futuristic structure designs efficiently to our valued clients.

In reaction to the growing demand for streamlined layout processes, COHO Architectural Design is dedicated to supplying a seamless experience for our customers. Looking ahead to a layout will no longer be a concern, as our present-day technology allows us to deliver bespoke architectural plans to you within a few clicks. Our approach not only saves time but also ensures that our customers have easy access to designs tailor-made to their needs.

One of our core missions is to enlarge our layout offerings constantly. To achieve it, COHO Architectural Design pledges to introduce at the very least, five new designs each quarter, contributing to an ever-growing library of designs. This dedication displays our determination to stay in motion with the architectural trends and supply our clients with a wide variety of options. Whether you seek cutting-edge minimalism, modern sustainability, or elegance in classical design, COHO guarantees that the right one will always be at your fingertips.

At COHO, our goal revolves around making it proper and quick for our clients. Our crew of professional architects and designers is always aiming for excellence, making sure that every layout meets the standards of quality and innovation. We recognize that the future of architecture is dynamic, and we are determined to be at the forefront of this evolution.

In summary, COHO Architectural Design is your companion in embracing the brand-new age of technology. With our dedication to efficiency, non-stop innovation, and client satisfaction, we're poised to redefine the very structure of residential creation layout. Join us in this thrilling adventure as we make it proper and quick for you, ensuring the destiny of structure is easily accessible for everyone.

System 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	Lab10_Report_Group29.doc
System Features (2 pages)	Core	2	2	Lab10_Report_Group29.doc
List of Web and AI sources used	Core	3	3	Lab10_Report_Group29.doc
Walkthrough with screenshots (up to 15 pages)	Core	8	8	Lab10_Report_Group29.doc
Hosting (10 total points)				
Running on cloud server	Advanced	10	⊗	
Main/Home Page (up to 14 total points)				
Search for a product by name	Core	1	1	navbar.html + listprod.handlebars + listprod.js
Browse products by category	Core	1	⊗	
List products (by search/browse)	Core	1	1	listprod.handlebars + listprod.js
List products with image	Core	1	1	listprod.handlebars + listprod.js
Page header with menu	Basic	1	1	navbar.html
Page header shows current logged in user	Basic	1	1	main.handlebars
Dynamic products on page based on sales	Basic	2	⊗	
Improved UI (user-friendly, images, etc.)	Basic	2	2	navbar.html + landingbanner.html
Product recommendation based on user	Advanced	4	⊗	
Shopping Cart (up to 8 total points)				
Add to shopping cart	Core	1	1	listprod.handlebars +showcart.js
View shopping cart	Core	1	1	navbar.html + showcart.js
Update quantity (with data validation)	Basic	1	⊗	
Remove item from shopping cart	Basic	1	⊗	
Improved formatting/UI (e.g. in header bar)	Basic	1	1	showcart.handlebars
Cart stored in database between sessions	Basic	3	⊗	
Checkout (up to 9 total points)				
Checkout with customer id	Core	1	1	checkout.js
Checkout with payment/shipment info	Basic	2	2	checkout.js + createAcount.js + createAcount.handlebars
Checkout with data validation	Basic	2	2	checkout.js
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.js
Product detail has an image from database	Core	1	1	product.js + displayImage.js + product.handlebars

User Accounts/Login (up to 12 total points)				
Create user account page	Basic	2	2	createAcount.js + createAcount.handlebars
Create account with data validation	Basic	2	2	createAcount.js + createAcount.handlebars
Edit user account info (address, password)	Basic	2	⊗	
Login/logout	Core	1	1	login.js + logout.js
Register user/Forgot password email	Advanced	4	⊗	
Page listing all orders for user	Core	1	⊗	
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	login.js + validateLogin.js + login.handlebars
List all customers	Core	1	1	admin.handlebars + admin.js
List report showing total sales/orders	Core	1	1	admin.handlebars + admin.js
Report with a graph	Advanced	3	⊗	
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	2	public\ProductImages
OR: Upload a photo to database for product	Advanced	4	⊗	
Database restore with SQL script	Basic	2	2	loaddata.js
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	Drop down menu, search-able navbar, clean UI, overlay cart, Dark-mode, aesthetically pleasing UI/UX
Others (your suggestions)		Up to 5	2	Video background & parallax effect for homepage + data auto-reload + quick incremental add-to-cart
Total: (out of 50 with maximum of 10 bonus marks. i.e. 60 points out of 50 is max.)			51	

Resource Used

Here is the list of links of our conversation with our best buddy GPT:

https://chat.openai.com/share/a636f1e0-661d-4c99-bab5-e18ba9c40075
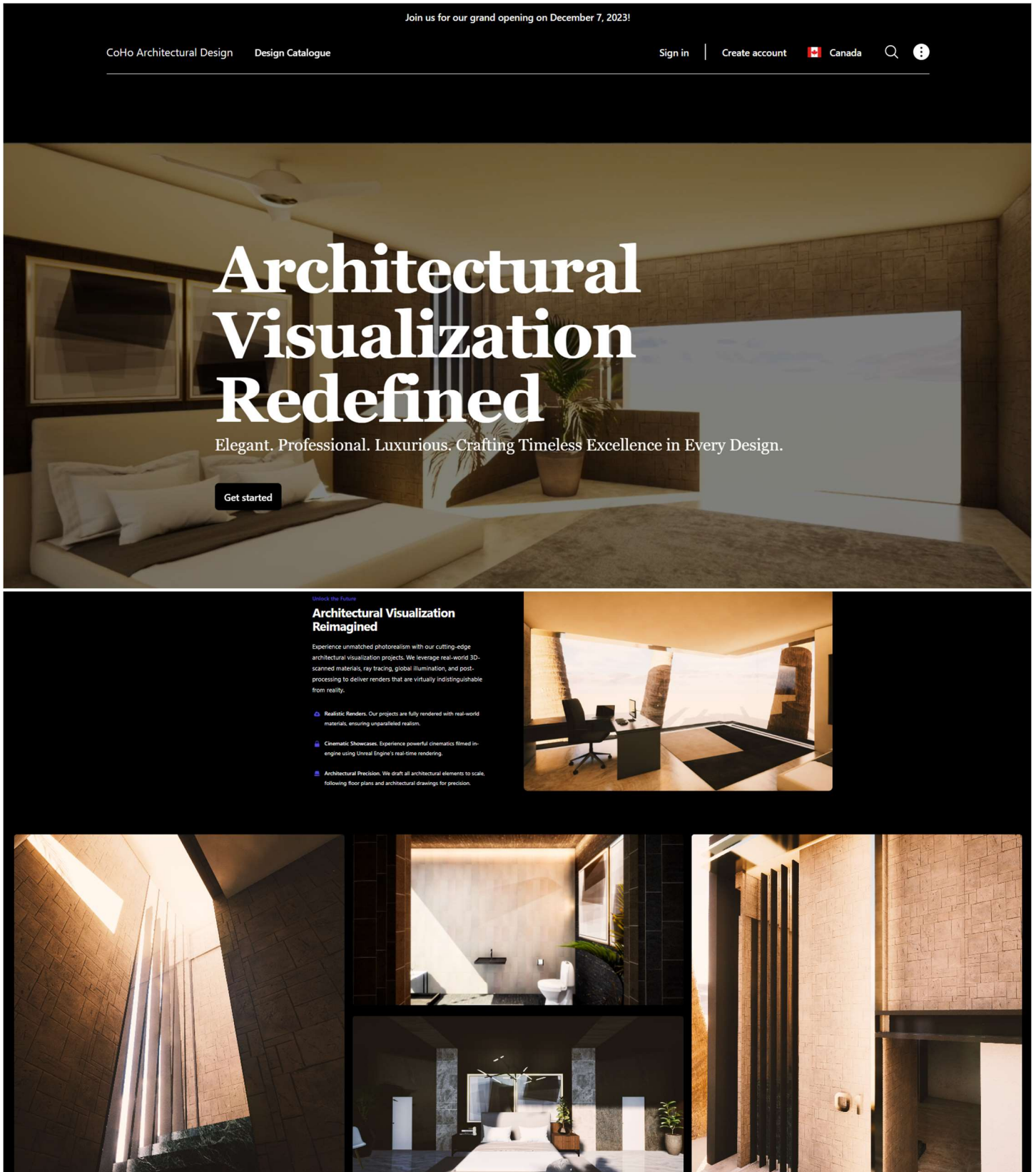
https://chat.openai.com/share/9289ebdc-1fcf-4470-b8b8-27b89966a2b5

https://chat.openai.com/share/ea280c4c-d48b-4e6f-9752-db3b60c353db

https://chat.openai.com/share/ae92f87b-8f8f-463f-8f97-bdc343e911b1

https://chat.openai.com/share/7978b8e1-0e5d-433d-8ade-d72478417848

https://chat.openai.com/share/e64eb3a7-c744-49e5-b3ae-21df165c74a6

https://chat.openai.com/share/20954079-1997-4c09-9106-fe9357c3e965

https://chat.openai.com/share/a9815cc5-712d-44e0-9509-aeeb621a6f62

https://chat.openai.com/share/c39cd23c-3dcc-4af0-9f14-e27e209e452e

https://chat.openai.com/share/45cdf529-f908-490a-8b48-8bc907070d58

https://chat.openai.com/share/29b9c70e-c886-481a-b065-014eccd2bb13

https://chat.openai.com/share/655ada37-a17c-452f-90dd-de119efb916e

https://chat.openai.com/share/62ad174b-0da4-445d-a7d2-f6e0978609db

Walkthrough

1. **Homepage**

On the homepage of COHO, customers are welcome with a clean and elegant design. Here, customers have a variety of options of where to go next such as: our design catalogue, sign in, create new account, search for certain product, check their account information, check their cart, and sign out. For admin users, they are able to access features such as administration information page and order list.

2. Navigation Bar
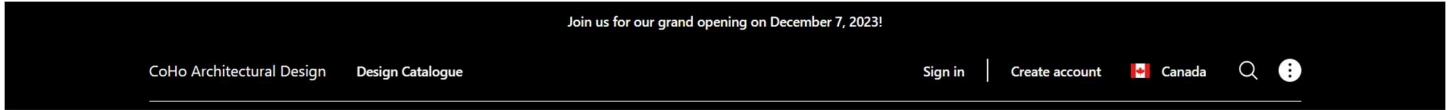
On the navigation bar, users can find the most up-to-date announcement of our store (such as our grand opening message announcement). Users also have the ability to go back to the homepage by clicking our company's name, browse the designs with "Design Catalogue", sign in, create account, search for desired design with the magnifying glass, and have access to variety of options in our drop-down menu (such as My account, my cart, Admin access, Order List, and Sign out).

3. Product List Page
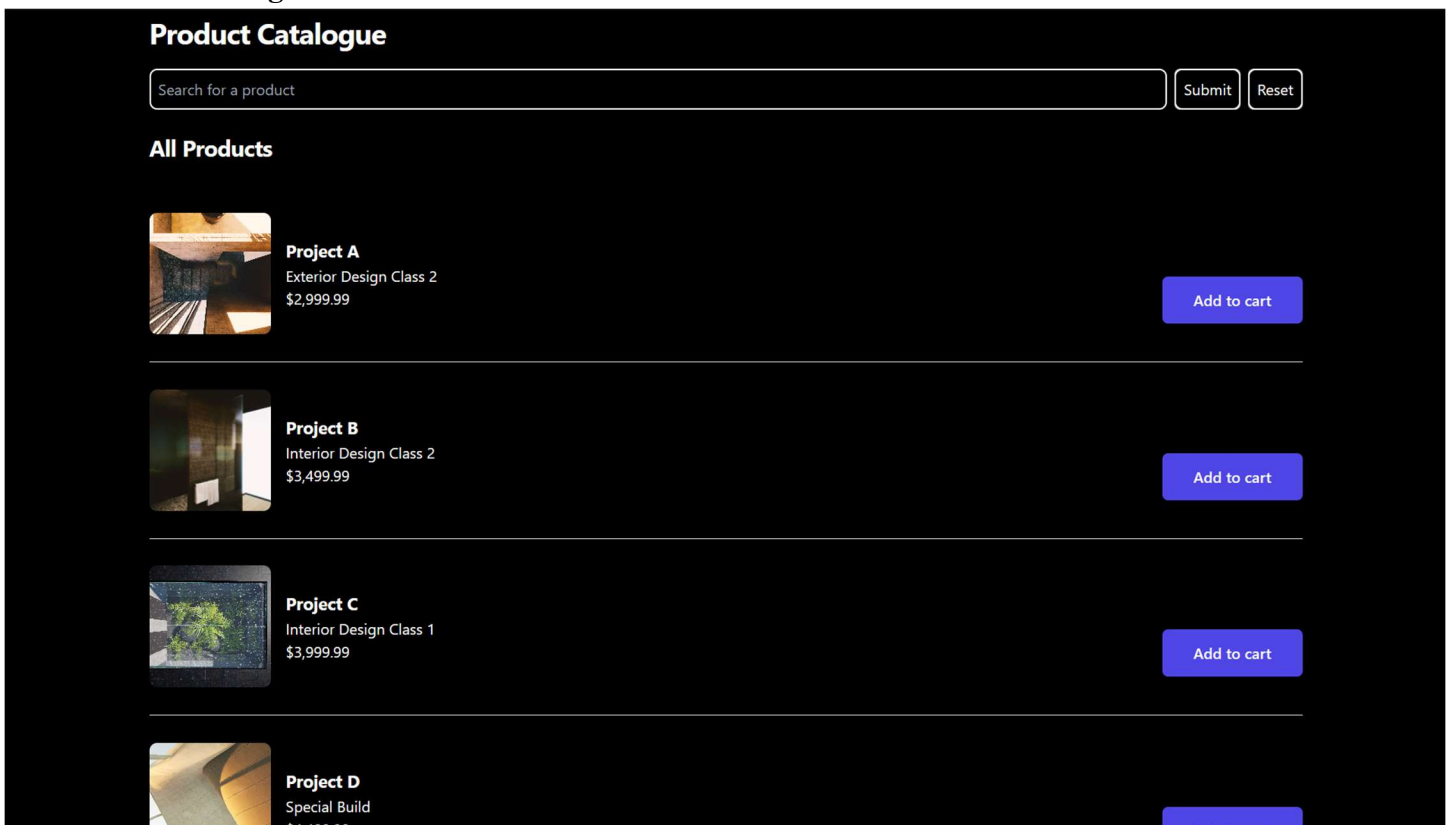
On the product list page, users will have access to the list of all our current offering designs. Users are able to check the price and add the design to their cart if they choose to. Users also have the option to click on a specific design name to go into the product detail page of that product.

4. Product detail page

Project C

Project C showcases architectural precision with fully rendered and furnished interiors. It includes post-processing features and real-time ray tracing.

$3999.99

Add to cart

Project C

Project C showcases architectural precision with fully rendered and furnished interiors. It includes post-processing features and real-time ray tracing.

$3999.99

Add to cart

Continue shopping

Highlights

- Fully rendered interior and exterior
- Fully furnished interiors
- Built in Unreal Engine 5
- Up to 8k textures and foliage
- Ray tracing
- Up to 8k textures and foliage
- Real-time rendering
- Global illumination and advanced virtualized geometry with Unreal Engine 5 Lumen + Nanite
- Post-processing

Details

The 6-Pack includes two black, two white, and two heather gray Basic Tees. Sign up for our subscription service and be the first to get new, exciting colors, like our upcoming "Charcoal Gray" limited release.

Within the product detail page of each product, users have access to the preview picture together with the detail description of the design. Users also have ability to "add to cart" or go back to the product list with "Continue shopping" button.

5. My Cart

The cart view is available to users from the "My Cart" option in the dropdown menu. In here, users are able to find the products that they have added so far and detail such as name, SKU price, its ID, the added quantity, the subtotal of each type of designs and the Total amount. At this point, users will have the option to either continue shopping or go to check out.

6. Checkout page
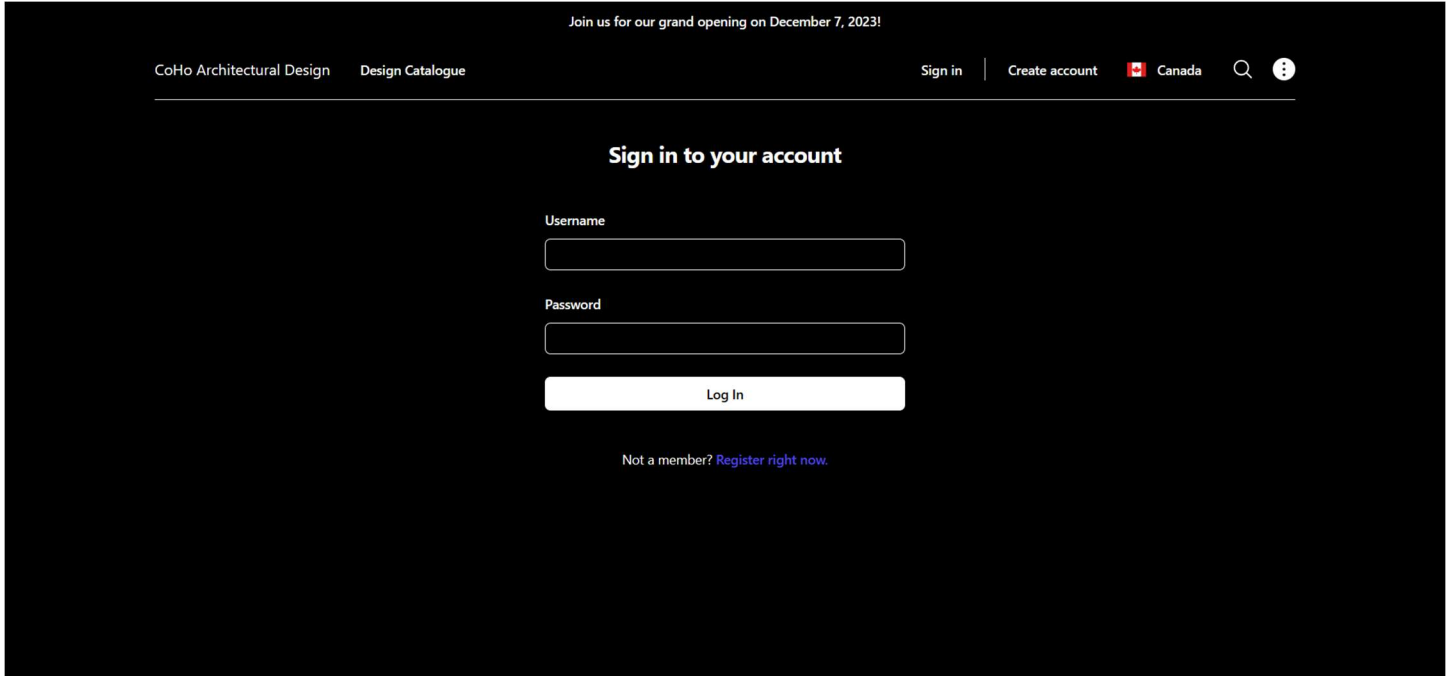
When users want to check out, the prompt will lead them to the customer ID validation page (similar to the log-in page). Users can either check out with their existing account or create a new one.

7. Sign-in page
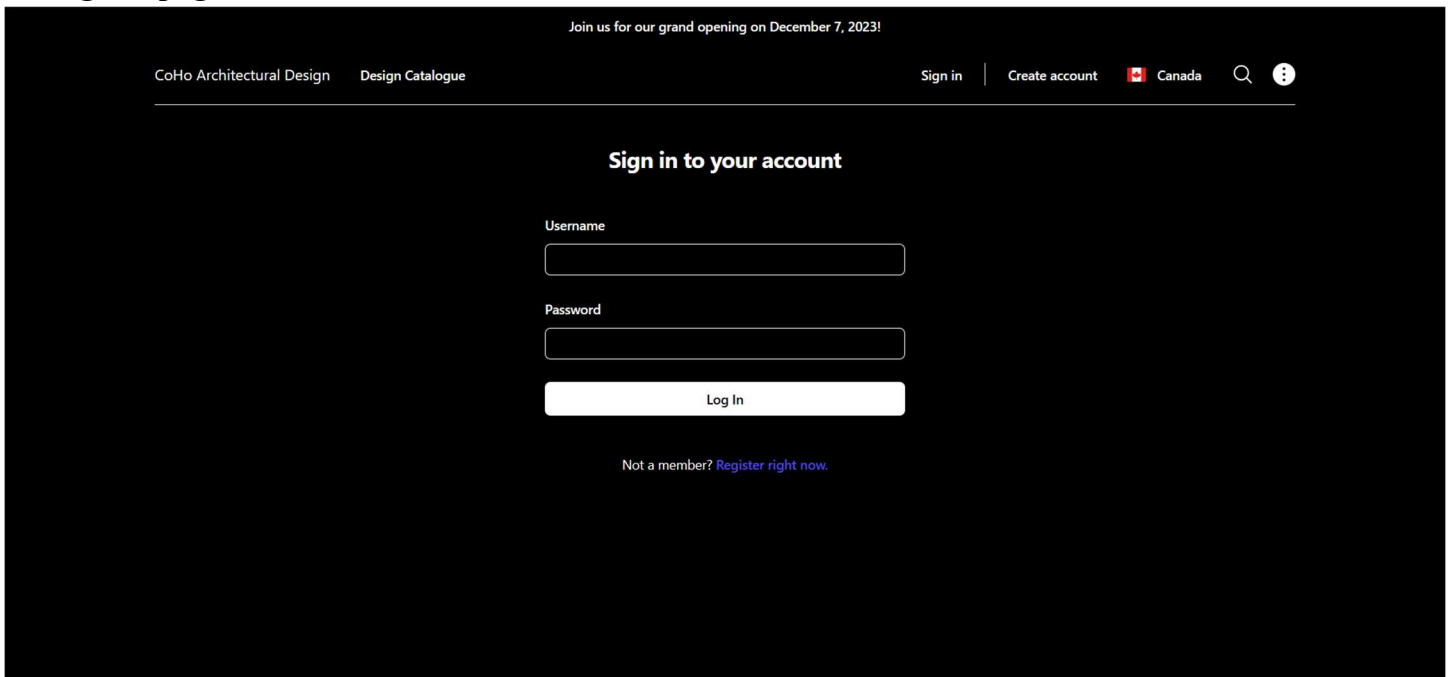
Within the sign-in page, users also have similar options like the checkout page. They can either log in to their existing account or create a new one.

8. Register page (for payment method checkout as well)

Create account

This information will be displayed publicly.

Username

cohodesign.com/ janesmith

Password

Personal Information

Use a permanent address where you can receive mail.

First name

Last name

Email address

Phone number

Country

United States

City

State / Province

ZIP / Postal code

Payment information

◉ Credit card ⬤Debit card

Card number

Name on card

Expiration date

DD/MM

CVV

123

Cancel **Save**

As COHO provides a specialized type of products and services, we are only able to deliver them to our registered customers. Hence, for the option of checking out with payment method (instead of logging in the already existing account), users will have to go through the registering phase as well. With that said, on our register page, users can input the necessary information and payment method of choice as well.

9. Checkout summary page

On our checkout summary page, users can find all the necessary information relating to their order. This includes the order ID, their ID, their name, the total charge, the date of ordering, product's price and quantity information.

10. Customer profile page

My account

Id	1
User ID	arnold
First Name	Arnold
Last Name	Smith
Email	arnold.smith@email.com
Phone number	555-0600
Country	United Kingdom
City	London
State	East London
Address	102 Maple Lane
Postal code	99999

On the customer profile page, users are able to check their account information, this information includes their customer ID, name, email, phone number, address, and their user ID.

11. Sales Report + List all customers

| CoHo Architectural Design | Design Catalogue | Signed in as arnold | Create account | Canada | |

Administrator Sales Report by Day	
Order Date	**Total Order Amount**
2023/11/28	$2999.99
2023/11/29	$3499.99
2023/11/30	$3999.99
2023/12/01	$4499.99
2023/12/02	$4999.99

Customers' Information							
First Name	**Last Name**	**Email**	**Phone**	**Address**	**City**	**State**	**Postal Code**	**Country**
Arnold	Smith	arnold.smith@email.com	555-0600	102 Maple Lane	London	East London	99999	United Kingdom
Alex	Johnson	alex.johnson@email.com	555-0100	123 Elm Street	Metropolis	NY	12345	USA
Morgan	Brown	morgan.brown@email.com	555-0200	456 Oak Avenue	Gotham	IL	23456	USA
Jamie	Smith	jamie.smith@email.com	555-0300	789 Pine Road	Star City	CA	34567	USA
Casey	Lee	casey.lee@email.com	555-0400	101 Maple Lane	Central City	OH	45678	USA
Dana	Taylor	dana.taylor@email.com	555-0500	202 Birch Street	Liberty City	TX	56789	USA

On the admin access page, we can find the information regarding sales reports for each day and the list of all registered customers.

12. Order List

The order list includes the list of all orders made and their information (such as order ID, order date, the customer who ordered it, their name, and the total amount).