HACKATHON DAY-4

BY

SARFRAZ AHMAD

ROLL NO: 00463271

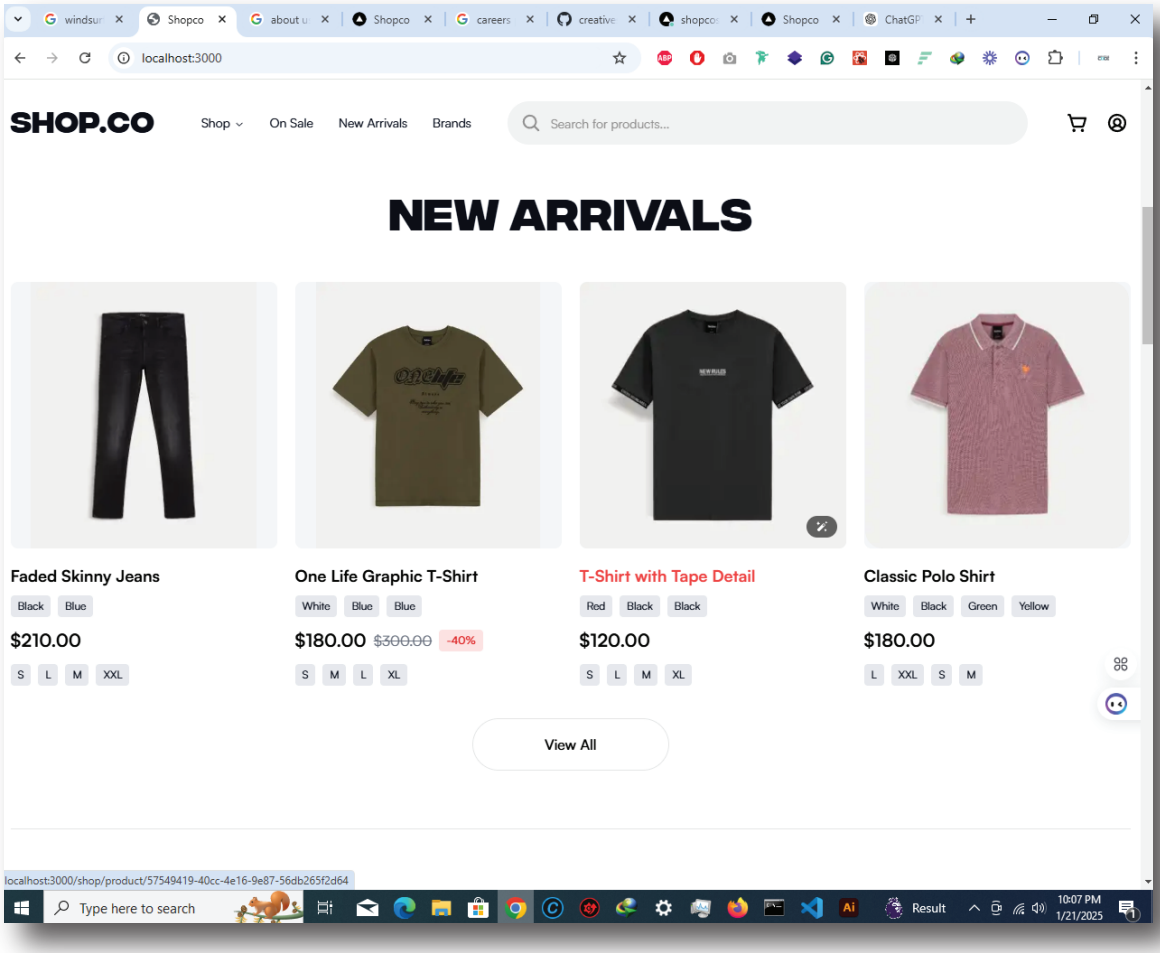
Crafting Dynamic Frontend Experiences with Sanity CMS (SHOP.CO)

Day 4 Activity Summary

On Day 4, I focused on creating dynamic frontend components using Sanity CMS and APIs, emphasizing modular design and state management techniques for efficient data handling. I also worked on implementing responsive design and following UX/UI best practices, preparing myself for real-world client projects with professional workflows.

New Arrivals

For the "New Arrivals" section, I utilized Groq queries to fetch real-time product data from Sanity CMS. This enabled me to display newly added items with their images, descriptions, and prices in a clean, user-friendly format, ensuring a seamless browsing experience.



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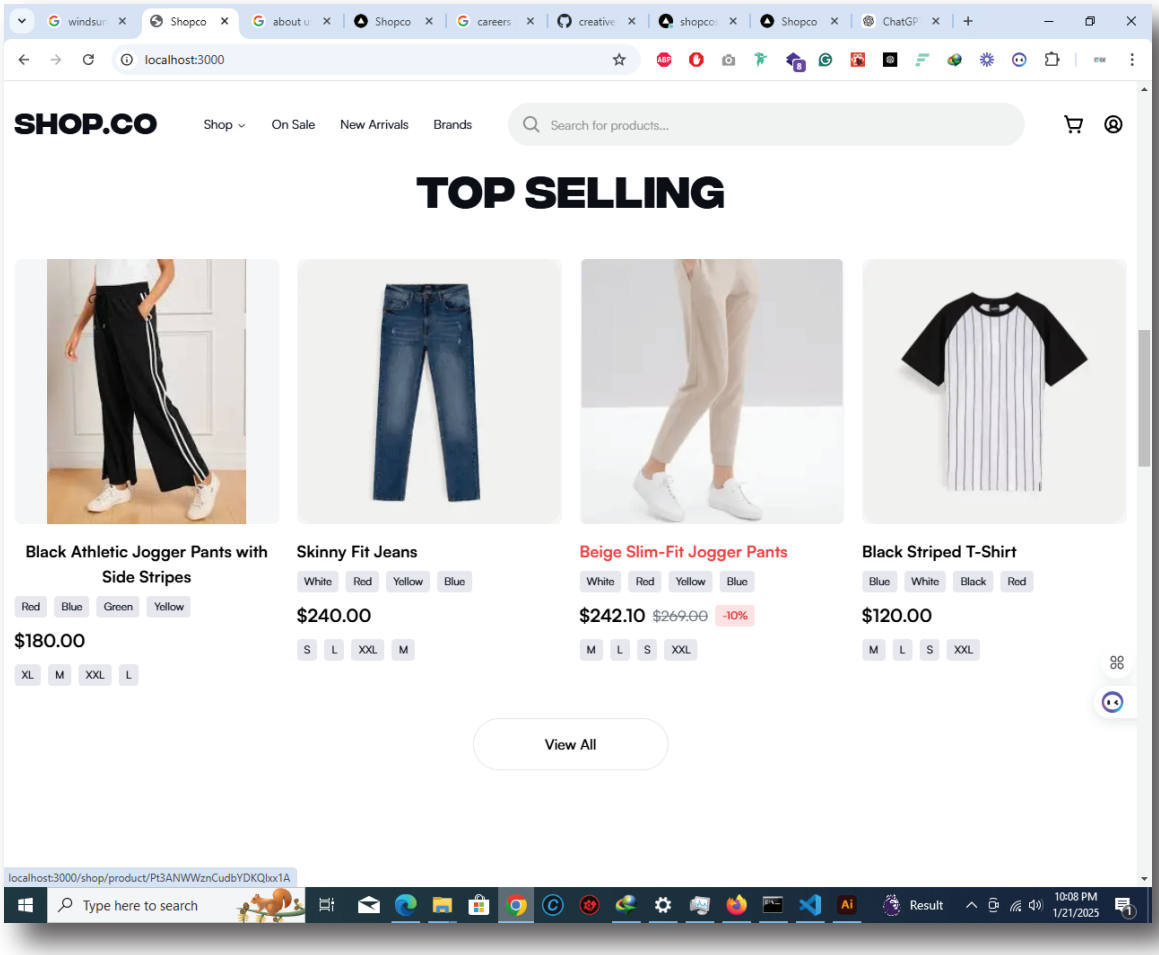
Top Selling

For the "Top Selling" section, I utilized Groq queries to dynamically retrieve best-selling products from Sanity CMS. This allowed me to present popular items with their images, descriptions, and prices in an engaging and organized layout, enhancing the overall shopping experience.



Top Brand:

I created a custom Top Brands component to showcase renowned brands dynamically fetched from Sanity CMS. By using Groq queries, I displayed brand logos, descriptions, and their featured products in a visually appealing layout. This component ensures seamless updates and adds a professional touch to the website's branding section.

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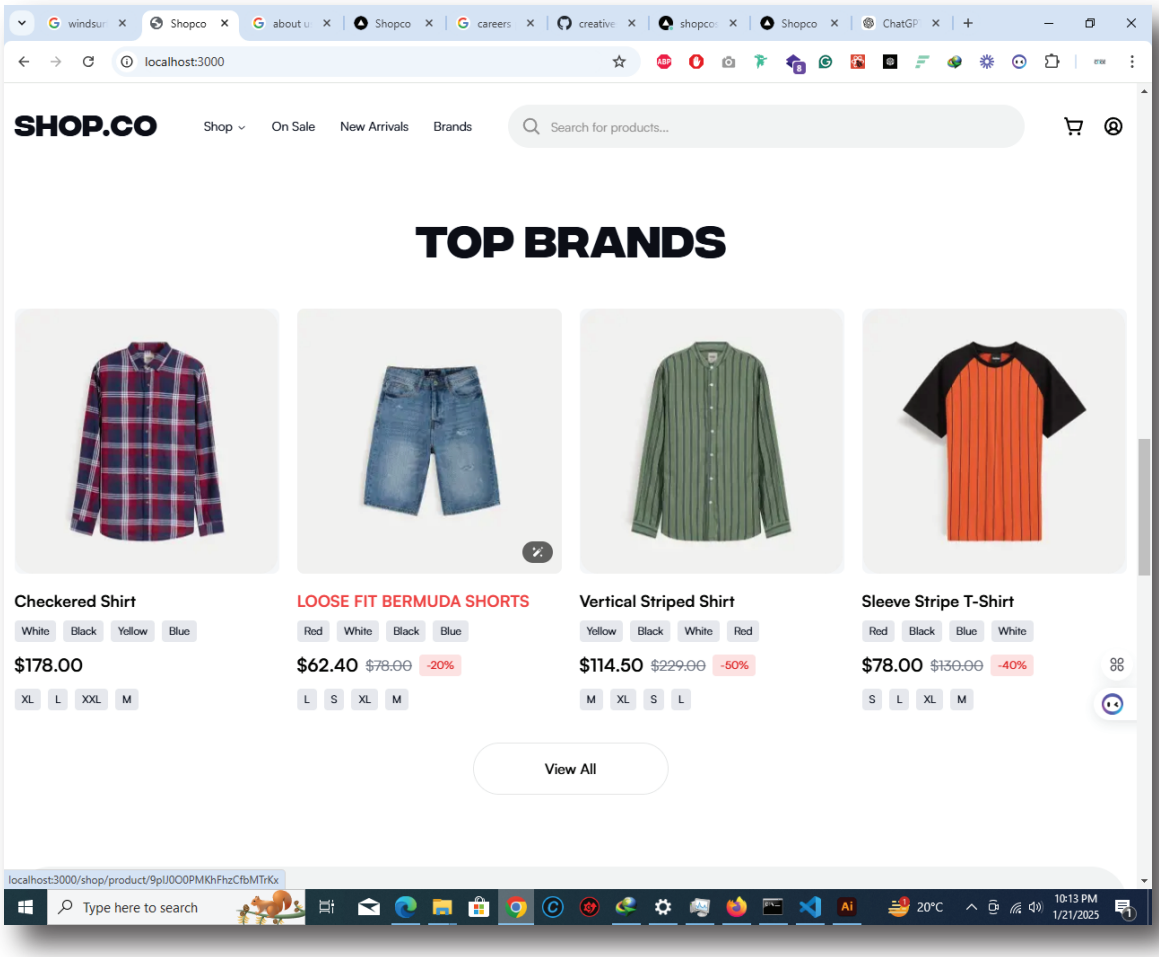

Newsletter:

I updated the Newsletter Subscription component to make it more interactive and functional. By incorporating an intuitive design and integrating it with the backend, users can now easily subscribe for updates. This enhancement ensures efficient data capture and aligns with modern UX practices, making the component both engaging and impactful.

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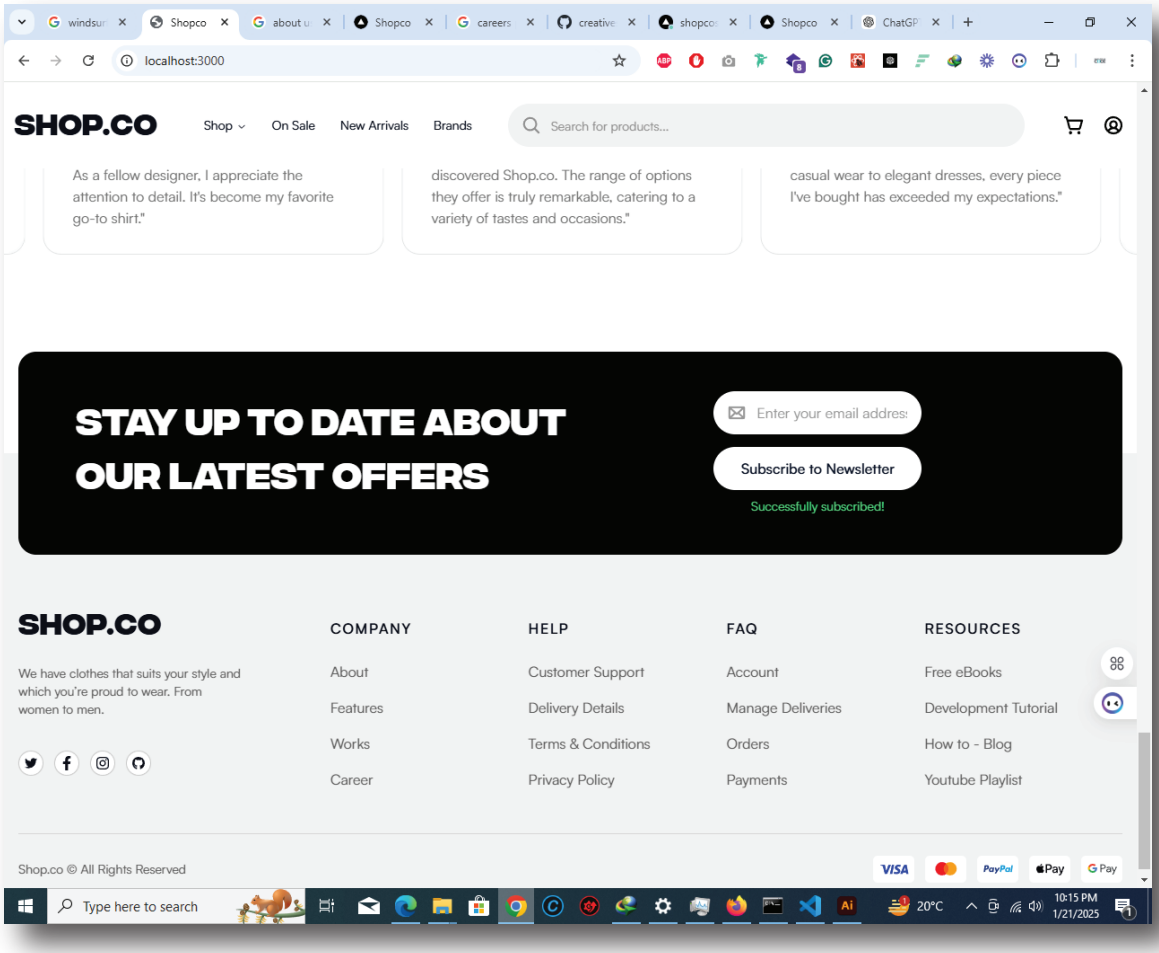

Updating On Sale Product:

For the On Sale section, I implemented a dynamic component that displays all products fetched from Sanity CMS. Using Groq queries, I ensured that the products, along with their sale prices, descriptions, and images, are displayed in an organized and engaging format. This approach allows easy updates and provides a user-friendly shopping experience.

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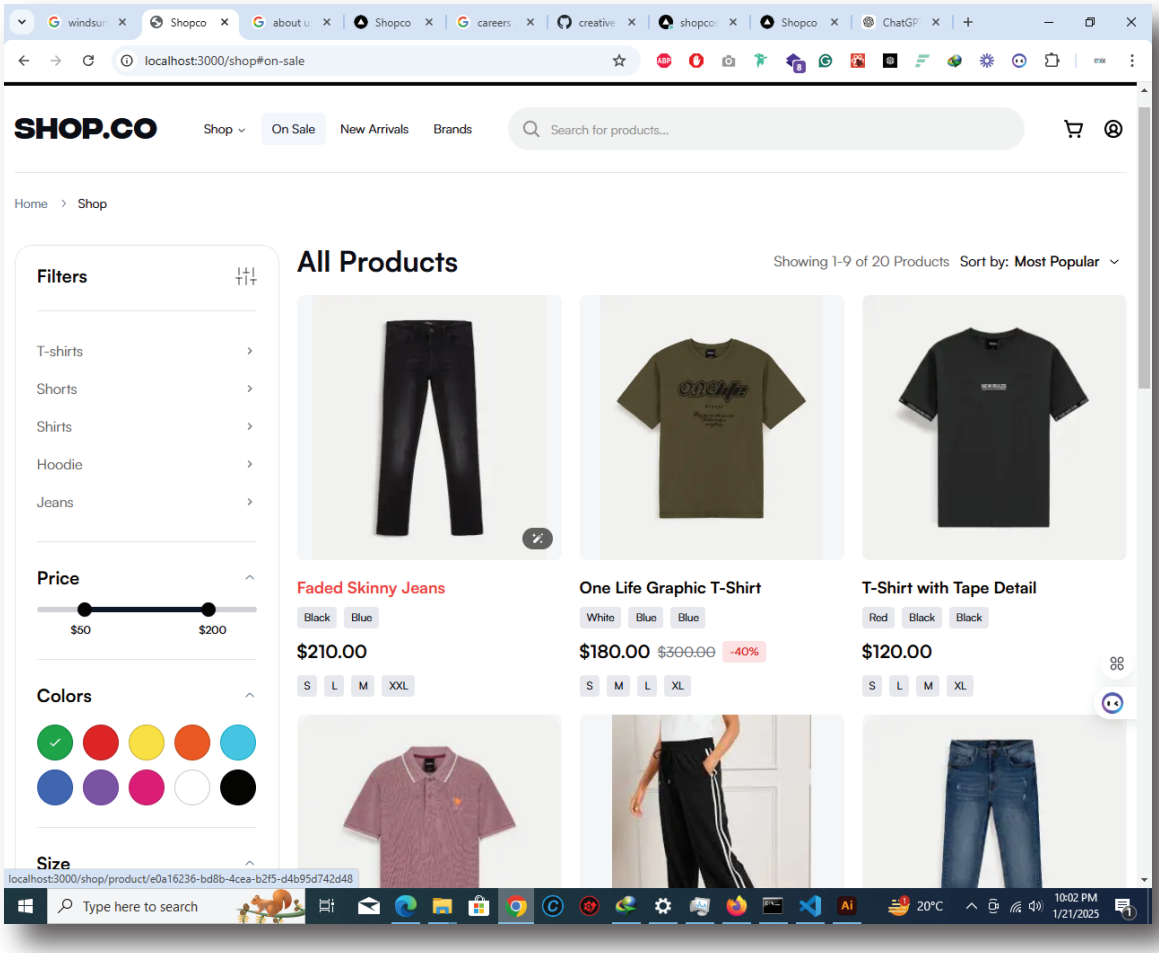

Update Product Card Details:

I updated the Product Card Details functionality to provide a seamless and interactive shopping experience. Now, when users click on a product, they are directed to its detailed product page. The page dynamically fetches and displays product-specific information, including images, descriptions, and pricing, directly from Sanity. This enhancement ensures users can explore product details effortlessly and make informed decisions.

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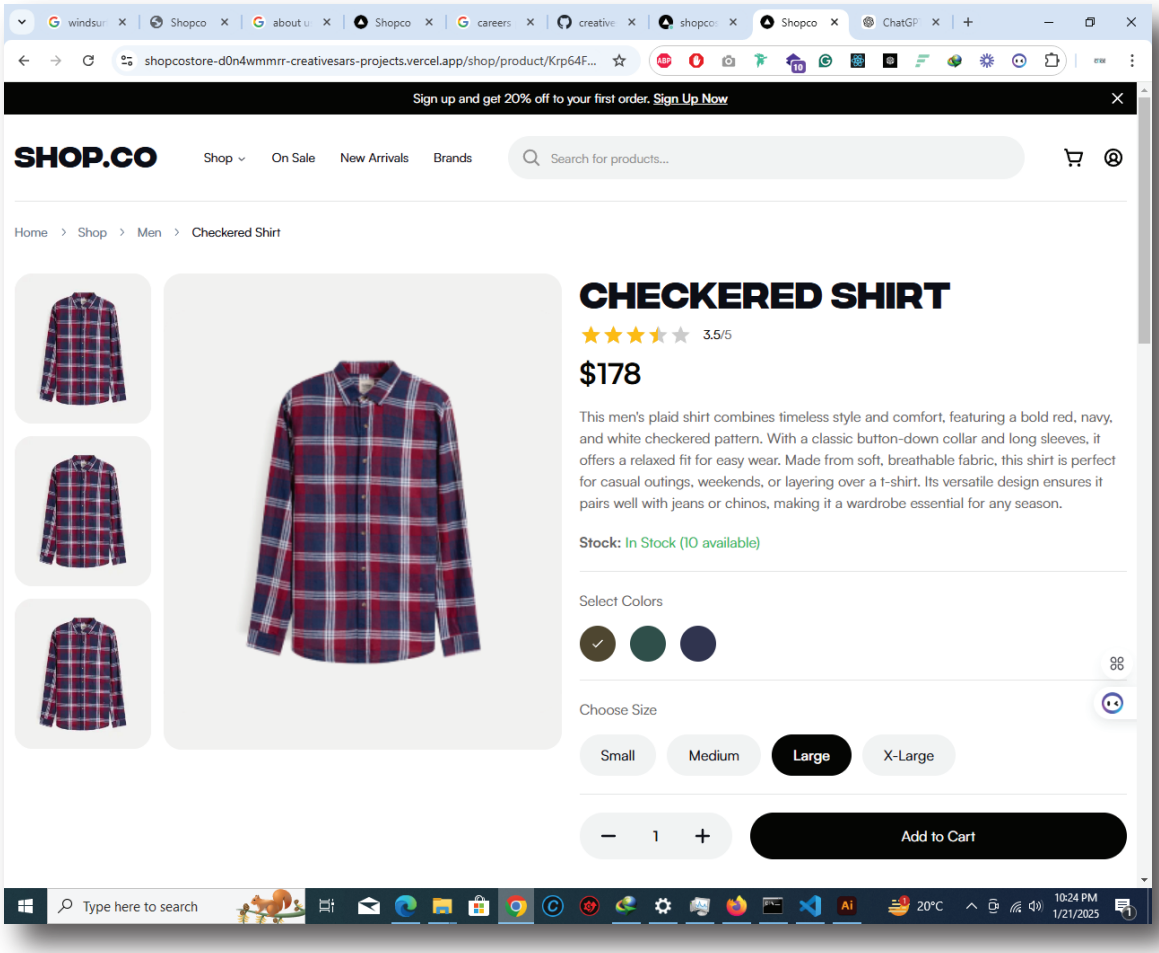

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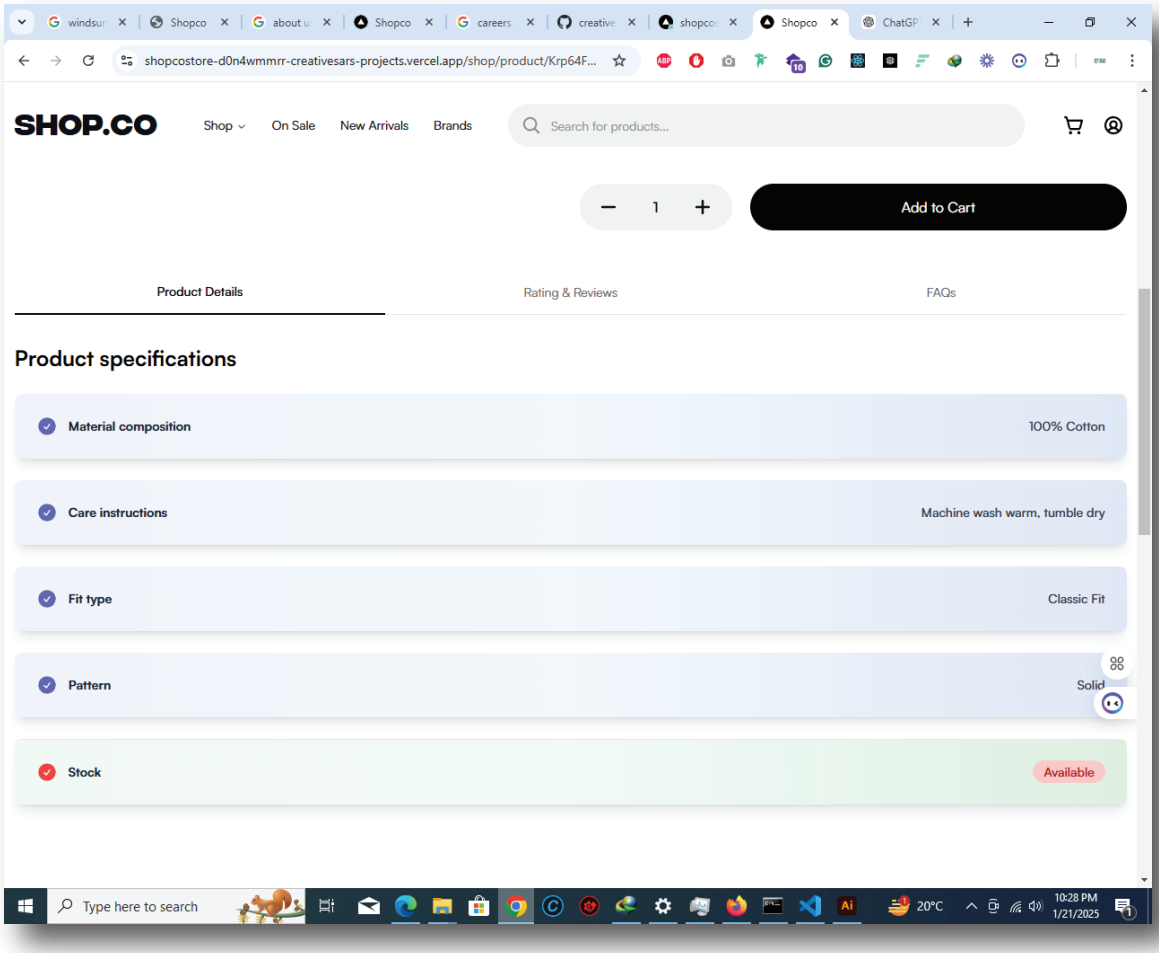

Update FAQ's Tabs

I revamped the FAQ section to improve user experience and accessibility. The section now features an interactive design that allows users to easily navigate through common questions and find answers quickly. Each question is expandable, providing detailed responses without overwhelming the user. This enhancement ensures a more efficient and user-friendly way for customers to find the information they need.

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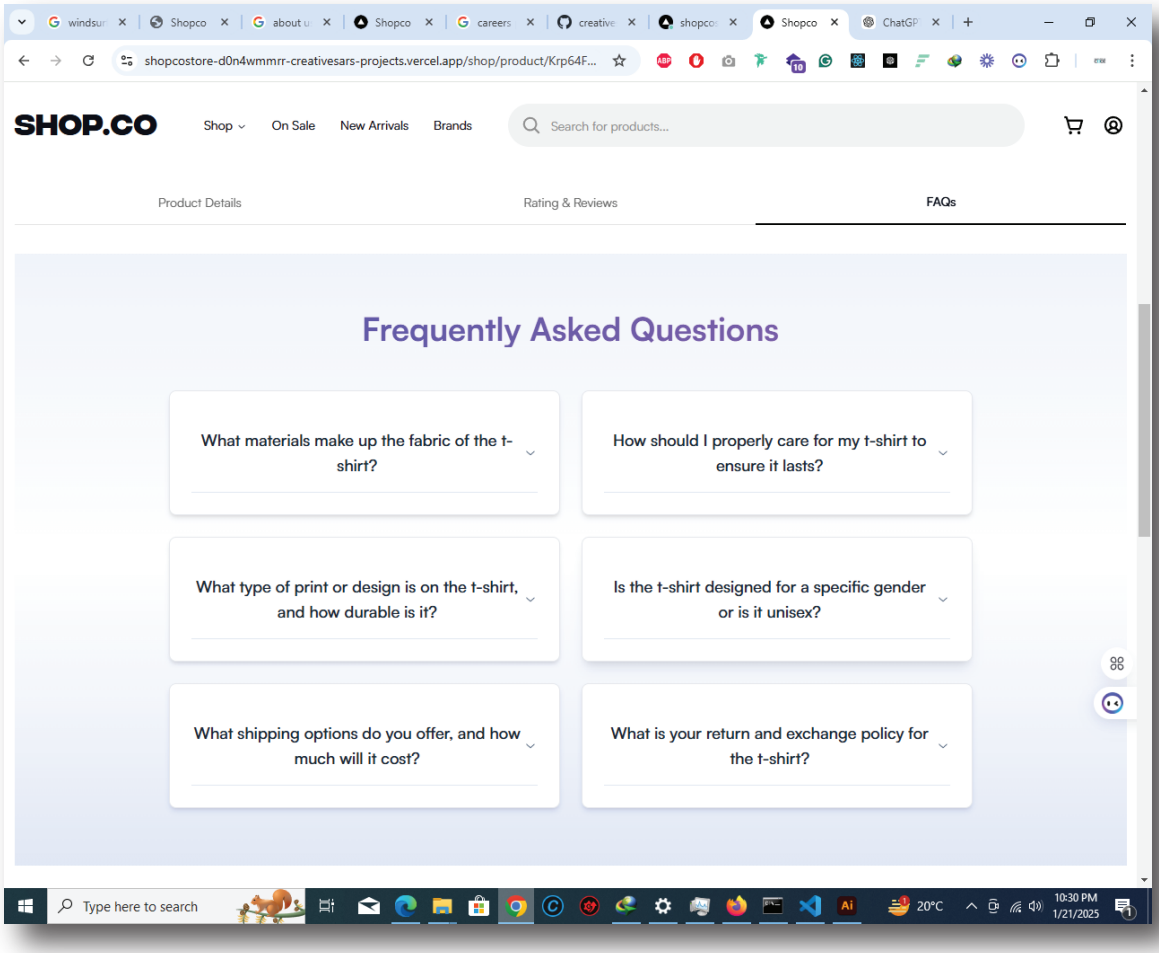

Update You Might Also Like

I enhanced the "You May Also Like" component to offer a more personalized shopping experience. This section now dynamically fetches product data, including recommendations based on user behavior and preferences. The recommended products are displayed directly, providing users with additional options they may be interested in. This update ensures that the content is always relevant and engaging, offering a seamless browsing experience.

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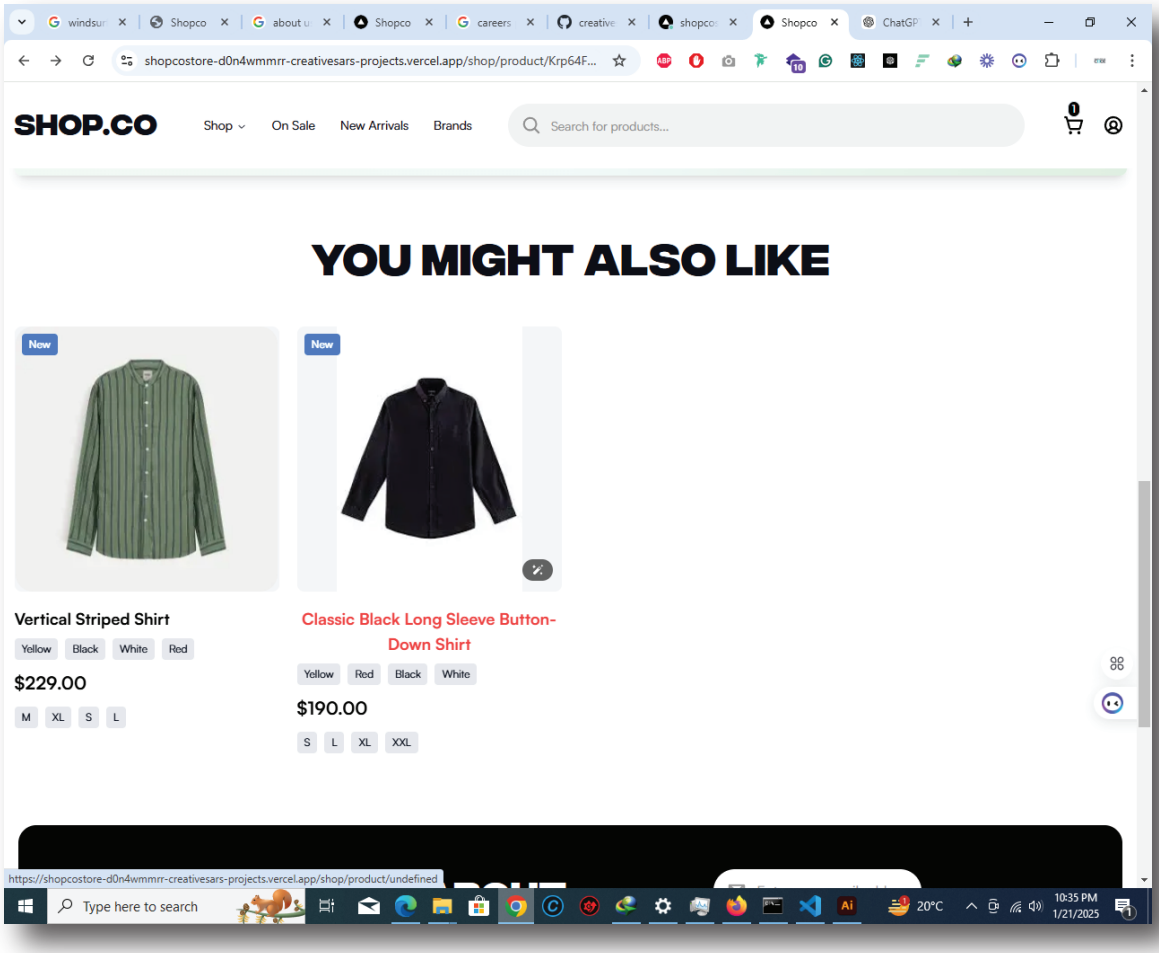

Update Add to Cart

I improved the "Add to Cart" functionality to streamline the shopping experience. Now, when a user clicks on a product, it is automatically added to the cart. The cart is dynamically updated with the selected product, including details such as quantity and pricing. This enhancement ensures a smoother and more efficient process for users to manage their selections and proceed with their purchase.

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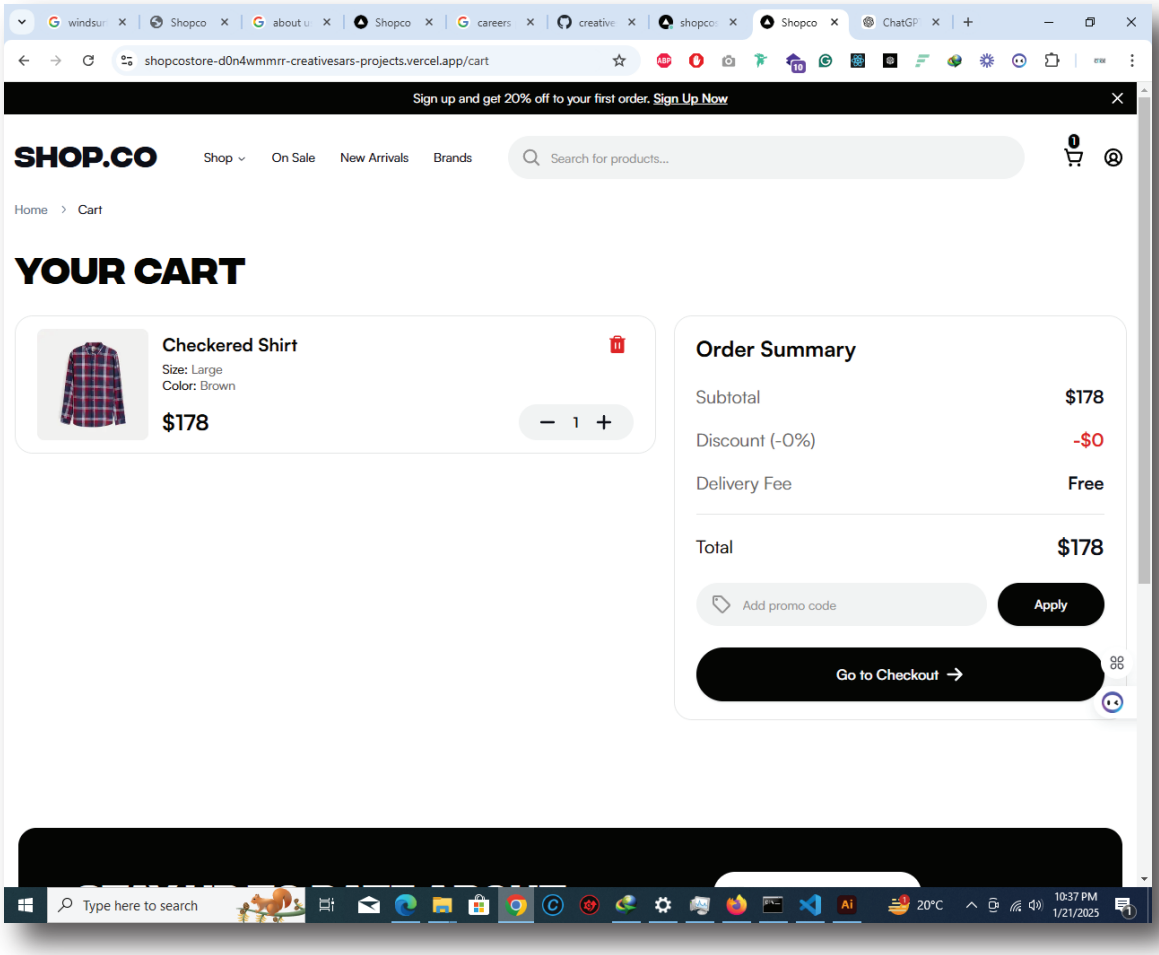

Payment Functionality

I have also updated the payment option functionality. Now, when you click on the "Checkout" button, it will seamlessly redirect you to a page displaying various payment options. This enhancement ensures a more streamlined and efficient checkout process, allowing users to easily select their preferred payment method and complete their purchase without any hassle.

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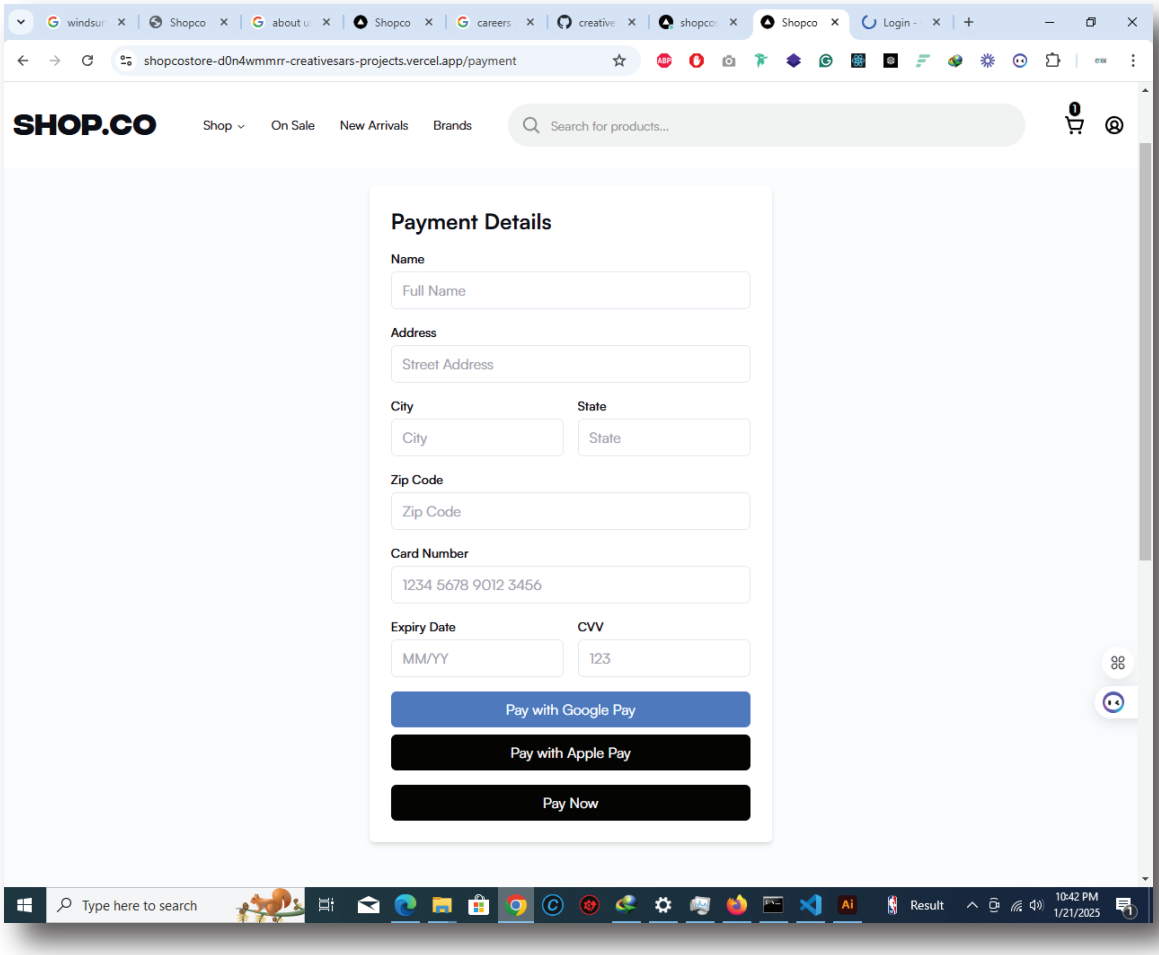

Order Confirmation

Additionally, once you complete the payment, you will receive an immediate order confirmation. This ensures that you are promptly notified of your purchase, along with relevant order details, providing a smooth and reassuring end to the shopping experience.

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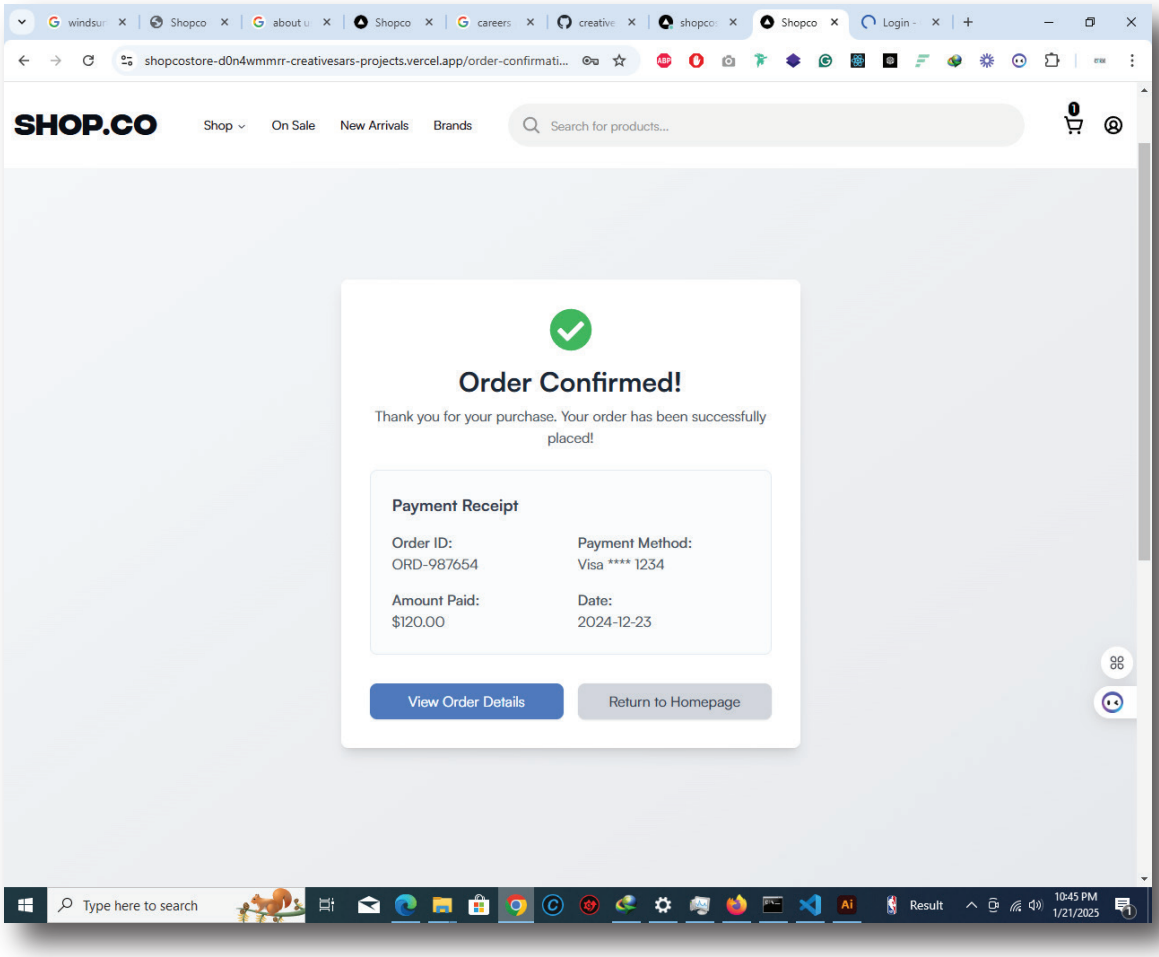

Update Footer Menus

I have also updated the footer menu for a more organized and user-friendly experience. The new layout includes clearer categories and easy access to essential pages such as contact information, privacy policy, shipping details, and more. This update ensures that users can quickly find the information they need, enhancing overall navigation and accessibility.

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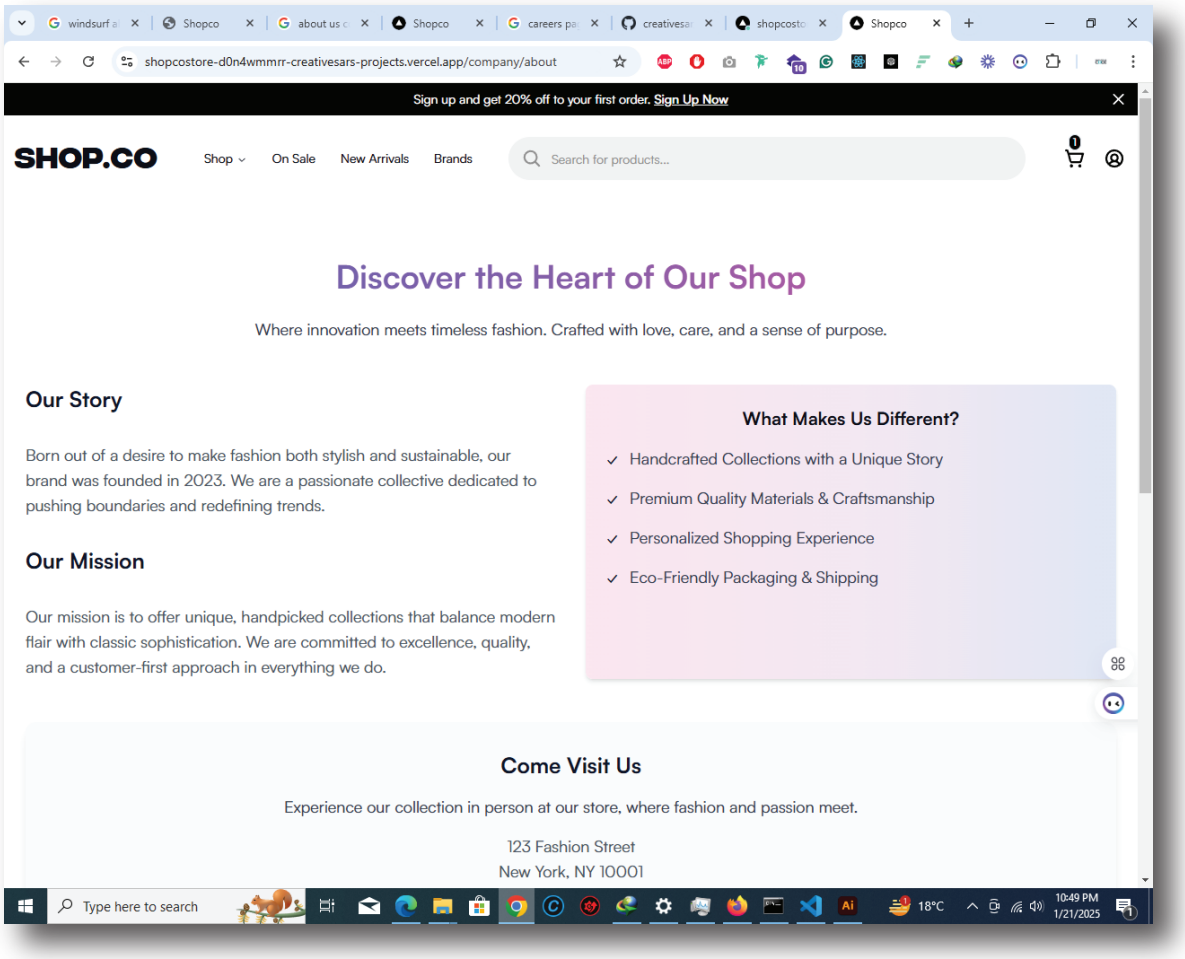

Groq Querry to fetch data

To fetch data from Sanity using a GROQ query, you would typically write a query in JavaScript (using Sanity's client), or in a framework like Next.js or Gatsby that integrates with Sanity. Here's an example of a GROQ query to fetch data from a Sanity dataset:

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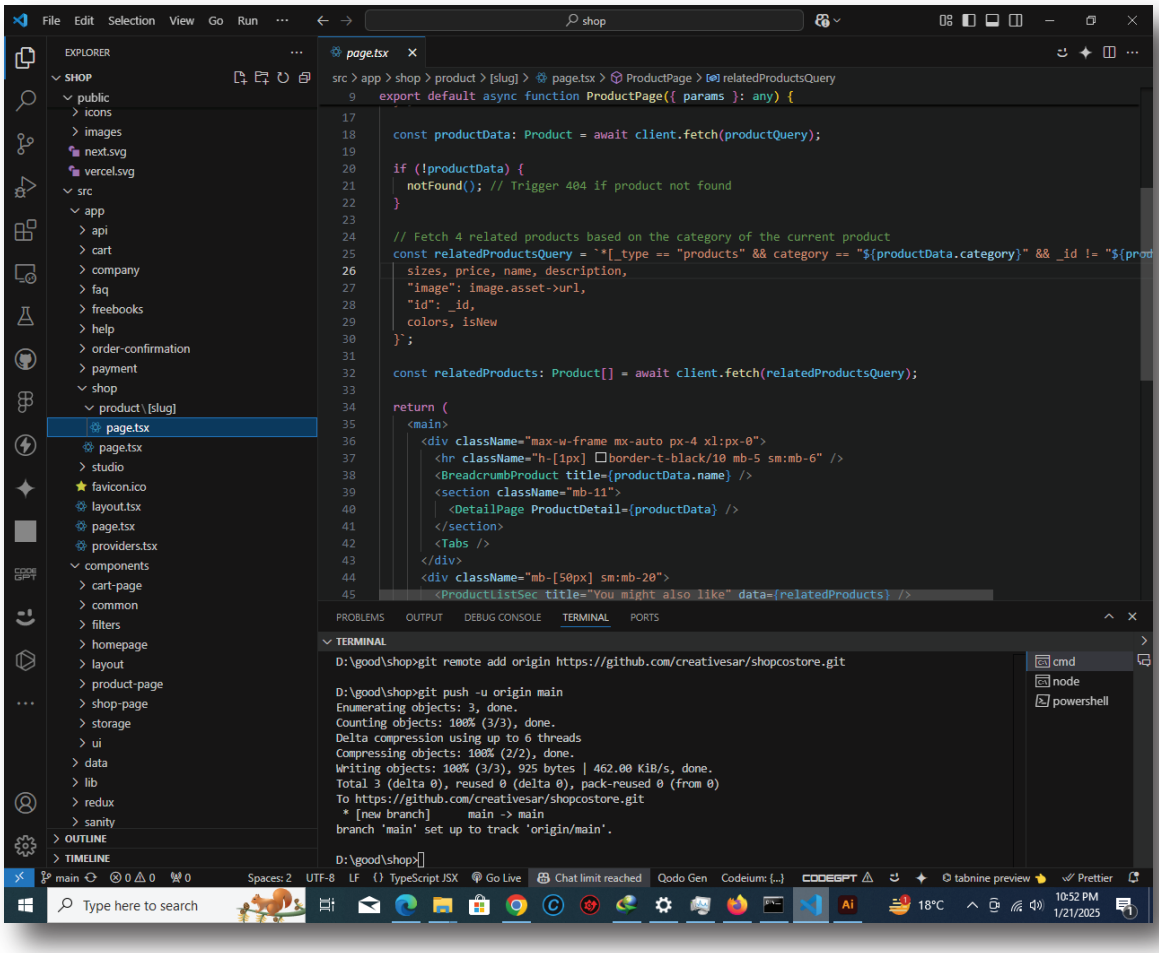

Product Detail Coding

I have coded the product detail page, fetching product data from Sanity using a GROQ query. The details, like name, description, price, and image, are displayed dynamically based on the product's unique "slug." I also added an "Add to Cart" button for a seamless shopping experience.

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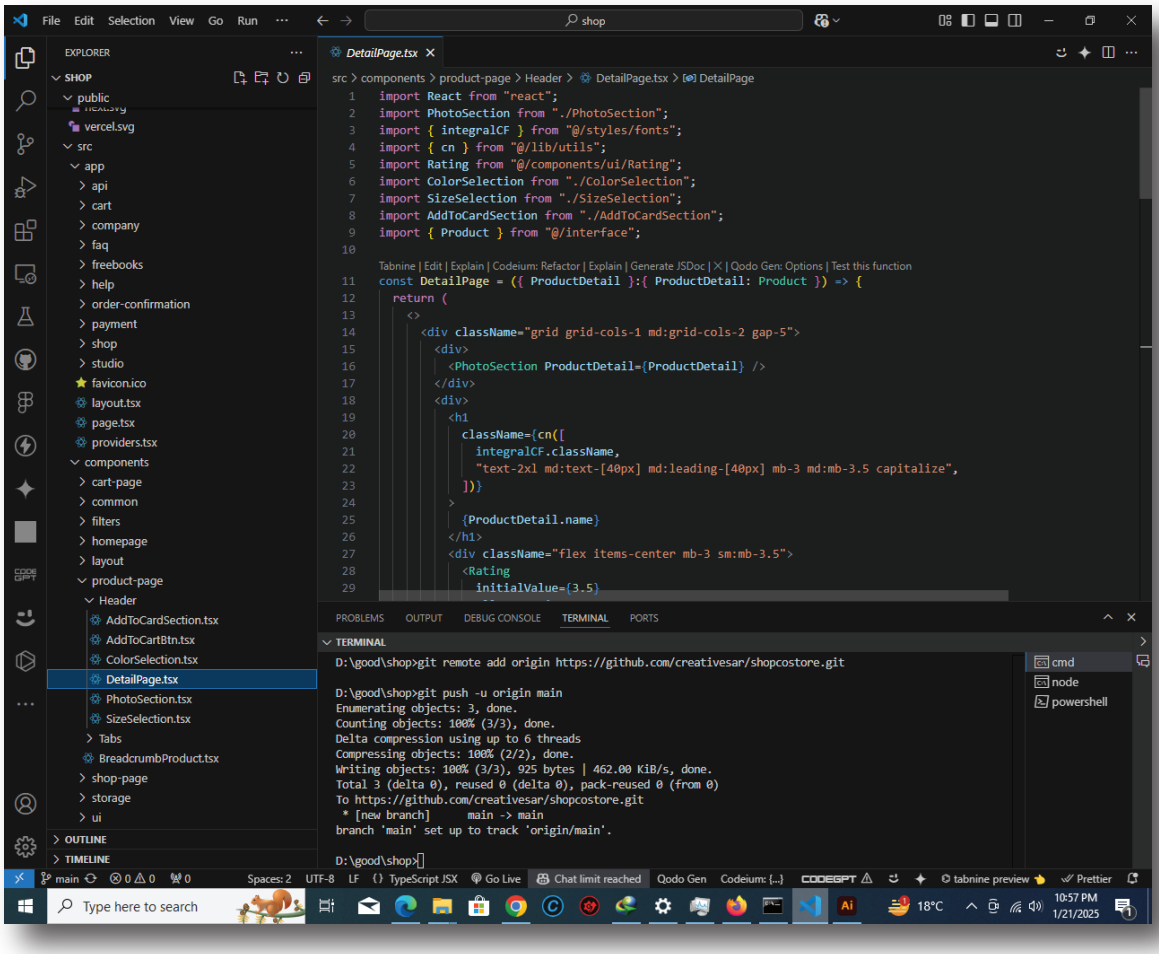

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