

DAY 4 - BUILDING DYNAMIC FRONTEND COMPONENTS FOR YOUR MARKETPLACE

OBJECTIVE:

To design and develop dynamic and reusable frontend components that effectively display marketplace data fetched from Sanity CMS or APIs, ensuring scalability, responsiveness, and alignment with real-world practices in modern web application development.

SETUP:

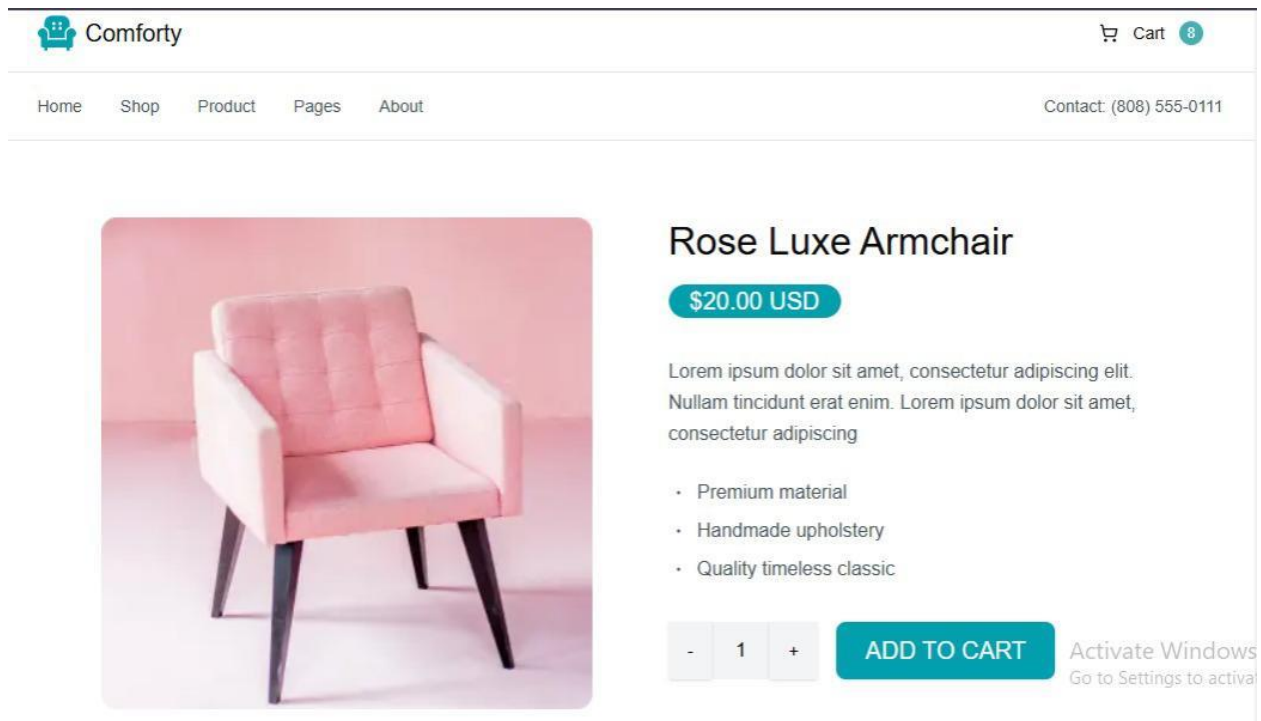
- Initialized a Next.js project and integrated it with Sanity CMS.
 - Configured schemas in Sanity for products, categories, and related data models.
 - Verified API connectivity and ensured data endpoints were functional using tools like `fetch` or `axios`.
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DATA FETCHING & SANITY:

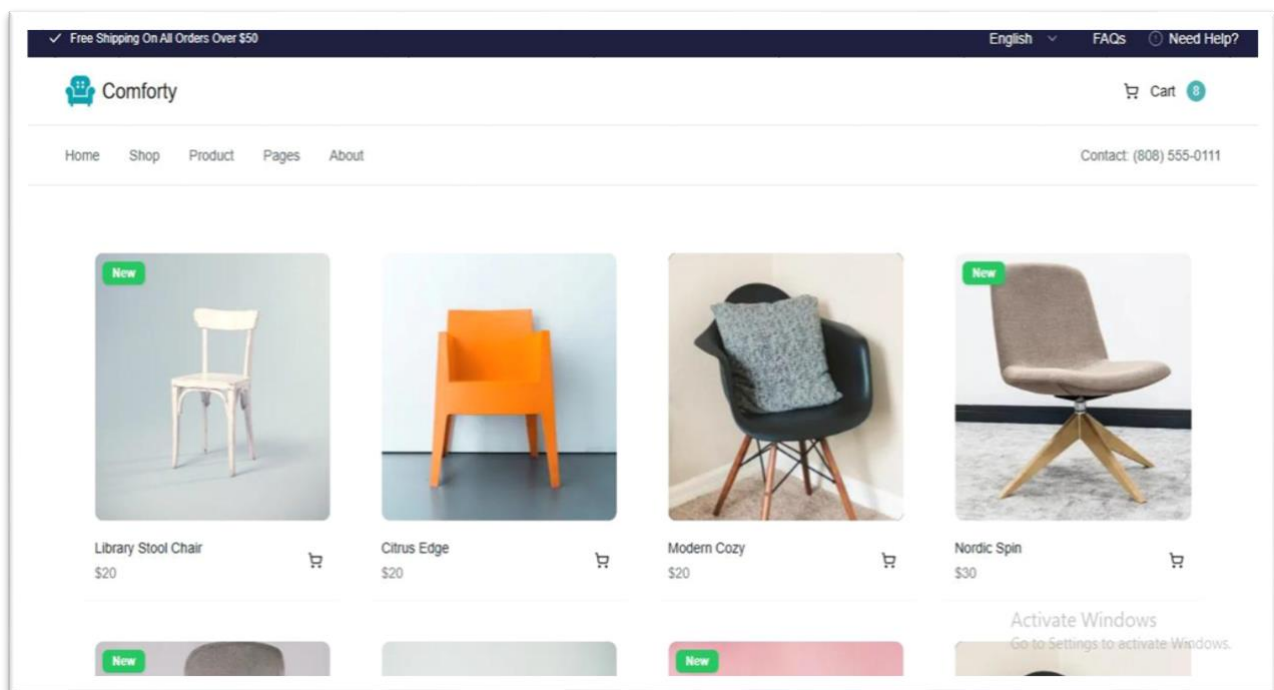
- Implemented data fetching using GROQ queries to retrieve products, categories, and other data from Sanity CMS.
 - Created reusable utility functions for API calls to ensure efficient and clean code.
 - Tested data rendering on the frontend for accuracy and performance.
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COMPONENTS CORE COMPONENTS

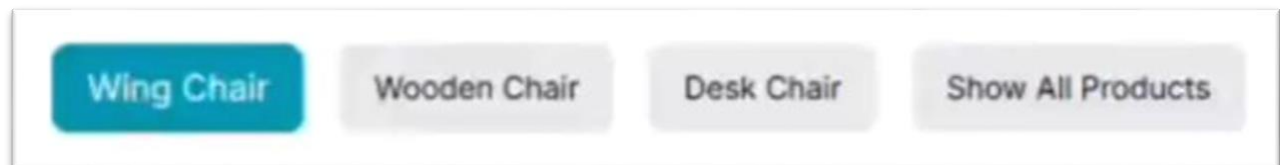
- **PRODUCT DETAIL PAGE** : Displays individual product details, including image, title, price, and a link to the product detail page.



- **PRODUCTLIST**: Renders a dynamic grid of products fetched from Sanity CMS.

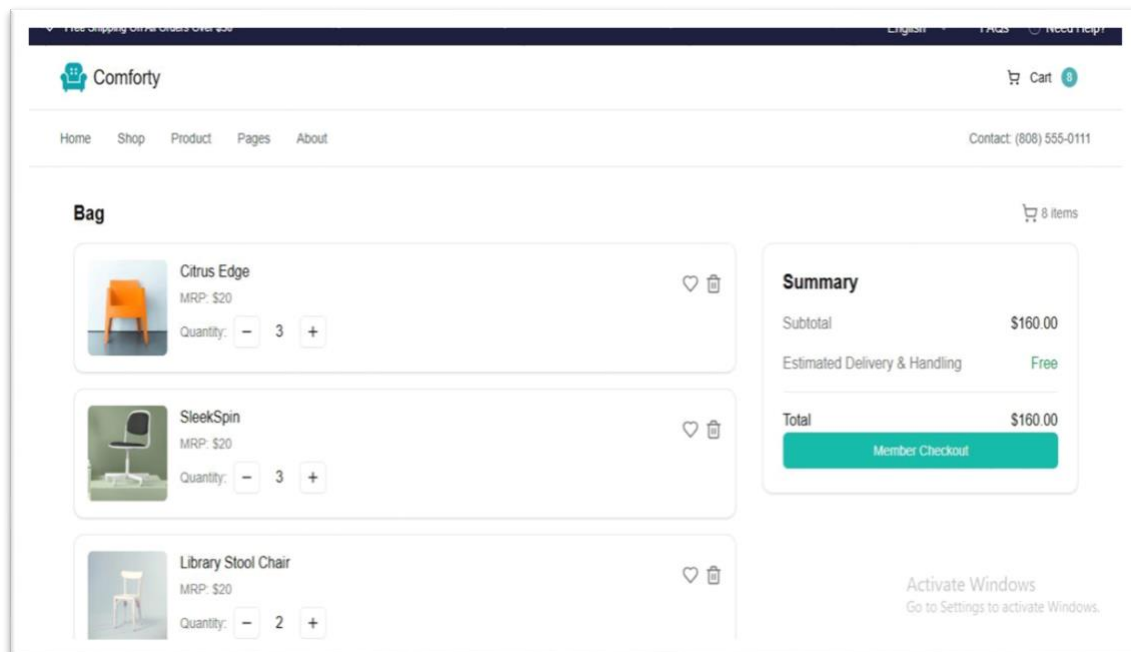


- **CATEGORY COMPONENT:** Provides filtering and browsing capabilities for product categories dynamically.



ADDITIONAL COMPONENTS

- **ADD TO CART PAGE:** Displays all items added to the cart, along with quantity updates and pricing details.



- **CHECKOUT FLOW COMPONENT:** Handles the user flow for checkout, including address, payment methods, and order summary.

Free Shipping on all orders over \$50

English | FAQs | Need help?


Comforty


Home Shop Product Pages About


Contact: (808) 555-0111

Checkout

Order Summary

 Citrus Edge
3 x \$20.00

 SleekSpin
3 x \$20.00

 Library Stool Chair
2 x \$20.00

Total

\$160.00

Billing Details

Place Order

Activate Windows
Go to Settings to activate Windows.

- **FAQ AND HELP CENTER COMPONENT:** Provides answers to common customer queries and a contact option for additional support.

Comforty

Home Shop Product Pages About

Contact: (808) 555-0111

Questions Looks Here

Lorem ipsum is simply dummy text of the printing and typesetting industry. Lorem ipsum has been the

What types of chairs do you offer?

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Lorem ipsum dolor sit amet consectetur adipisicing elit. Nisi quis modi ullam amet debitis libero veritatis enim repellat optio natus eum delectus deserunt, odit expedita eos molestiae ipsa totam quidem?

How can we get in touch with you?

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Do your chairs come with a warranty?

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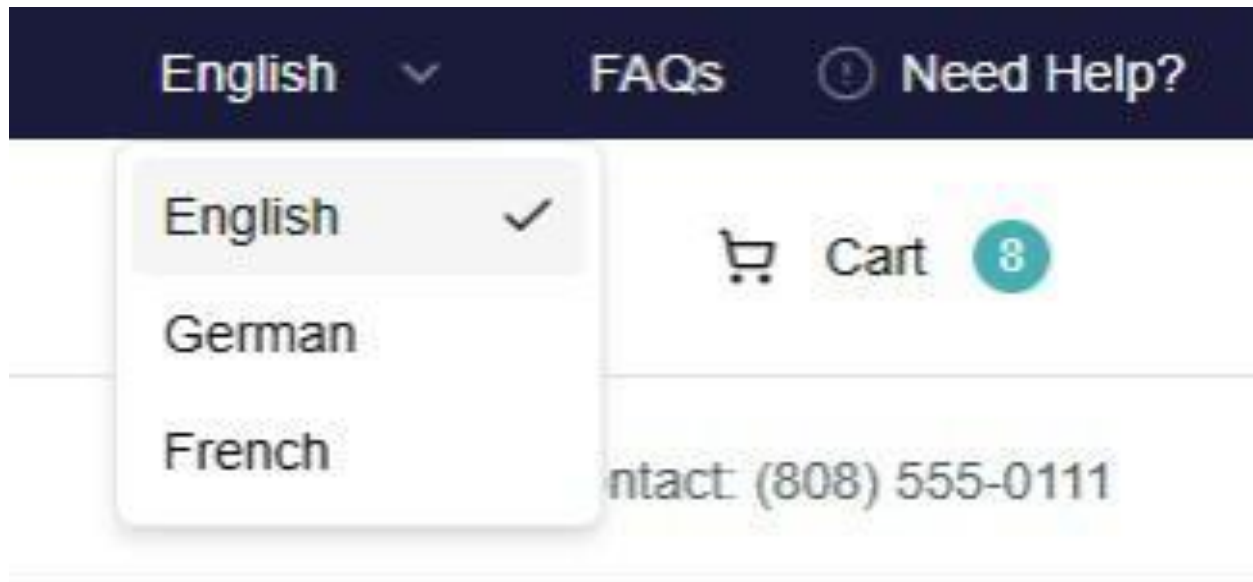
What will be delivered? And When?

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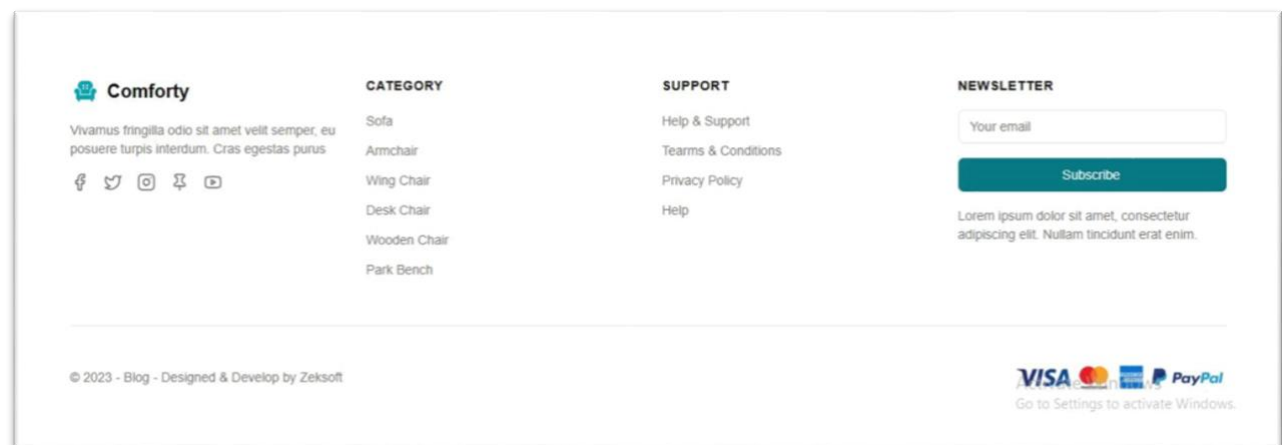
Place Order

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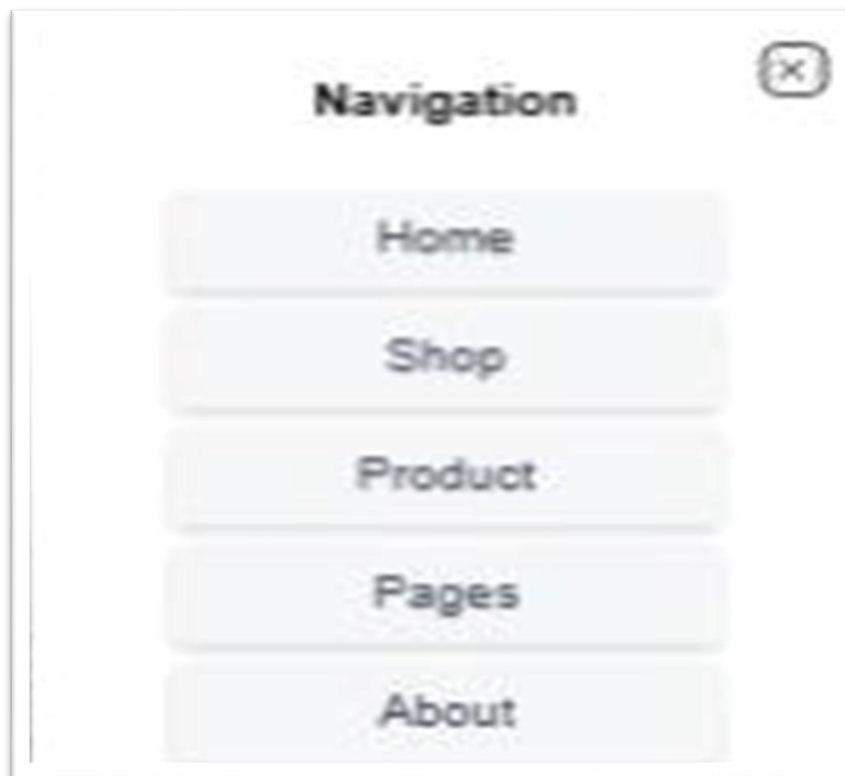
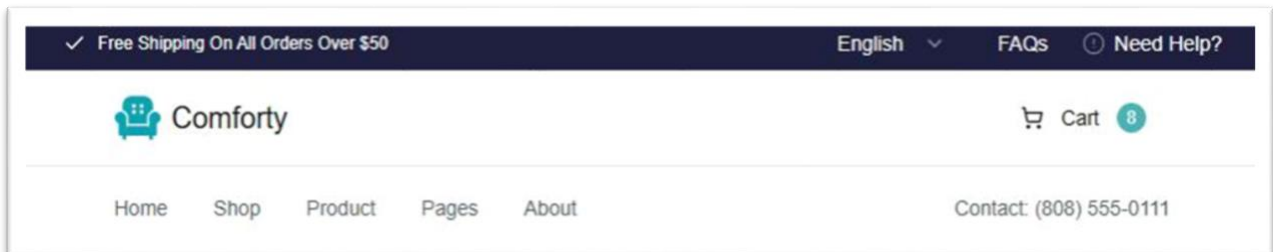
- **MULTI-LANGUAGE SUPPORT COMPONENT:** Enables users to switch between languages, ensuring global accessibility.



- **FOOTER COMPONENT:** Contains links to important pages, social media icons, and legal information.



- **HEADER COMPONENT:** Includes navigation links, a search bar, and cart icon, ensuring seamless browsing.



MORE FEATURES

- Added a "**Related Products**" section on the product detail page to recommend similar items based on category or tags.
- Integrated **loading** and error states for better user experience during data fetching.
- Ensured full **responsiveness** and cross-device compatibility using Tailwind CSS.

RESULT

By completing these steps, I achieved:

1. A fully functional **Product Listing Page** rendering data dynamically from Sanity CMS.
 2. Operational **Individual Product Pages** with accurate routing and detailed product information.
 3. Advanced components such as **Add to Cart Page, Checkout Flow, and FAQ and Help Center.**
 4. Multi-language support for global accessibility.
 5. A responsive and polished UI with a professional look across devices.
 6. Modular and reusable components ready for future scalability and updates.
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