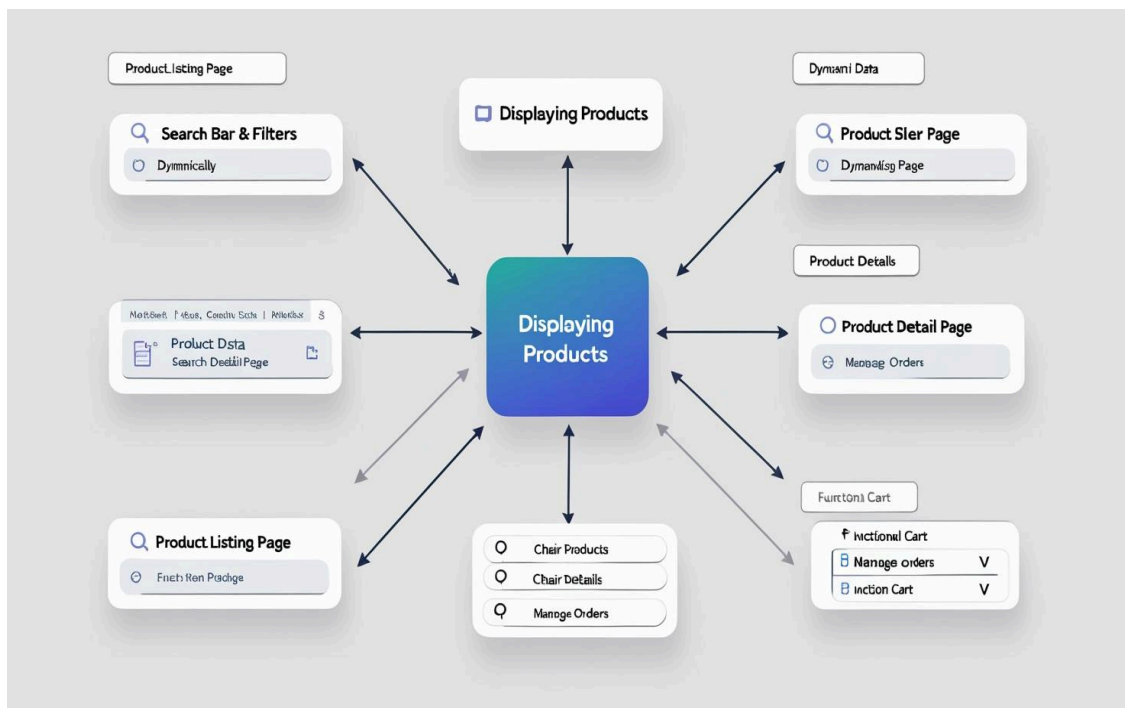


Day 4 - Building Dynamic Frontend Components for Comforty

1. Introduction

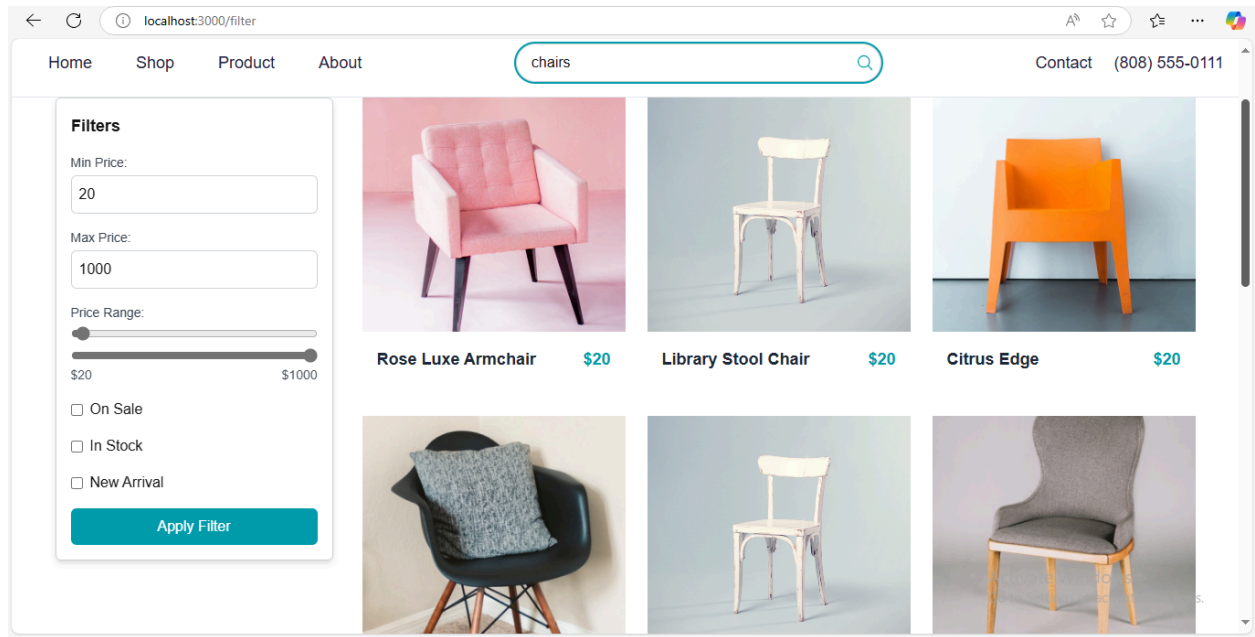
This report highlights the development of dynamic and responsive frontend components for **Comforty**, an ecommerce platform focused on selling furniture, specifically chairs. The main focus areas include:

1. **Dynamic Product Display:** Fetch chair products dynamically from the backend to ensure up-to-date listings.
2. **Search and Filters:** Implement a search bar and filters for users to find chairs based on style, material, and price.
3. **Product Listing Page:** Create a dynamic page displaying all chair products with name, price, and brief descriptions.
4. **Product Detail Page:** Develop a page with detailed product info, images, pricing, available sizes, and an option to add to the cart.
5. **Functional Cart:** Build a cart system for users to add chairs, modify quantities, and proceed to checkout efficiently.



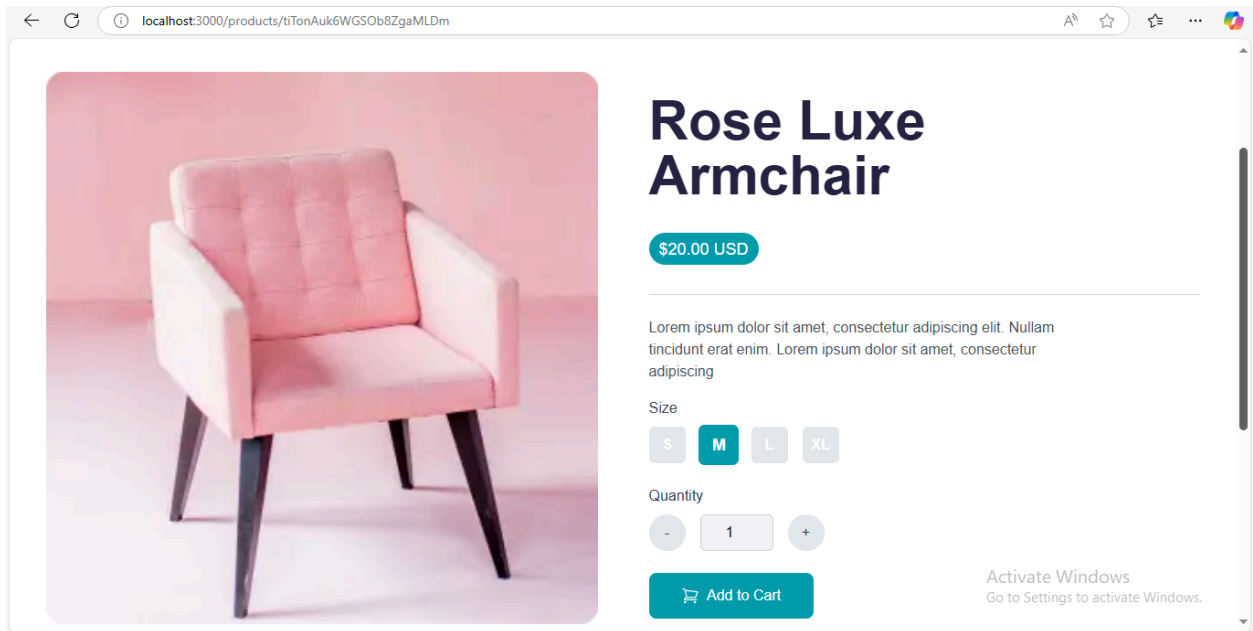
Product Listing

- **Dynamic Product Display:** Fetched chair product data from the Sanity Api.
- **Responsive Grid Layout:** Displayed chair products with names and prices in a grid that adjusts to screen size.



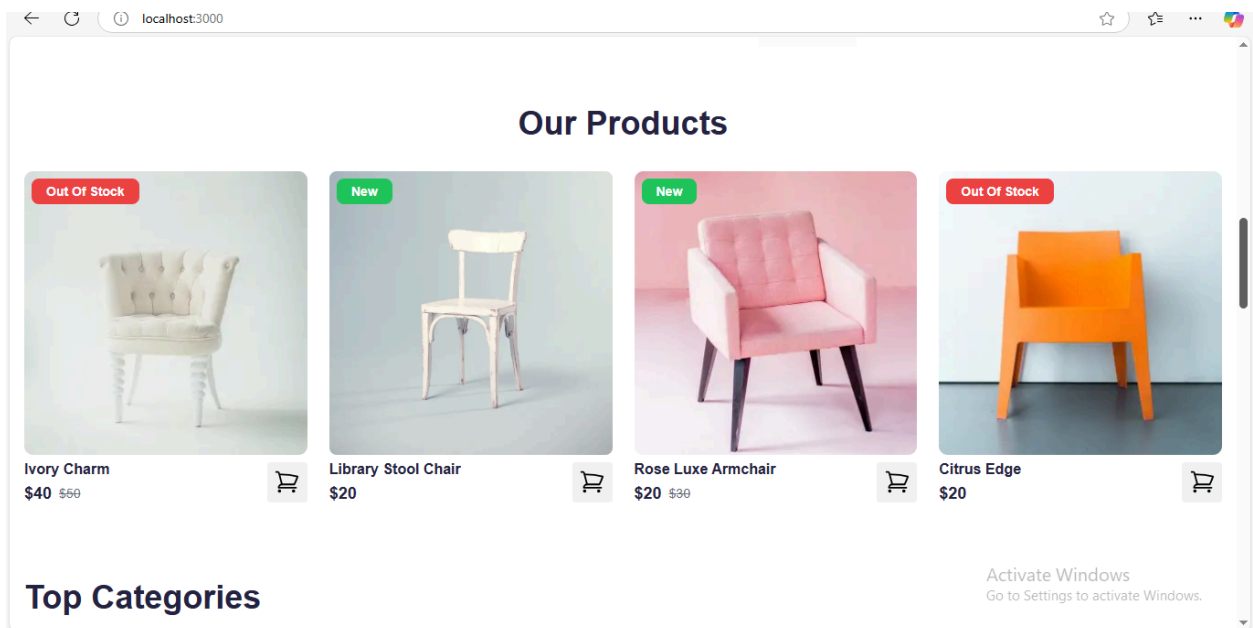
2. Product Detail Component:

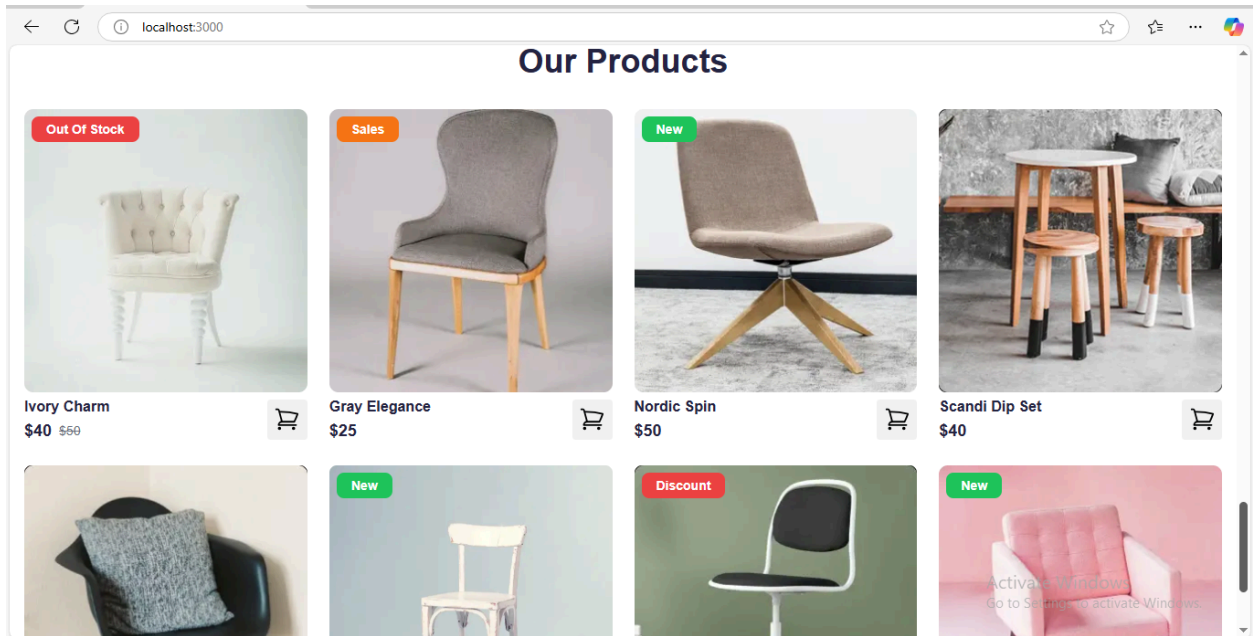
- **Dynamic Routing:** Created individual chair product detail pages using dynamic routing in Next.js.
- **Detailed Information:** Included key details such as product description and price, and add to cart button.



3. Category Component:

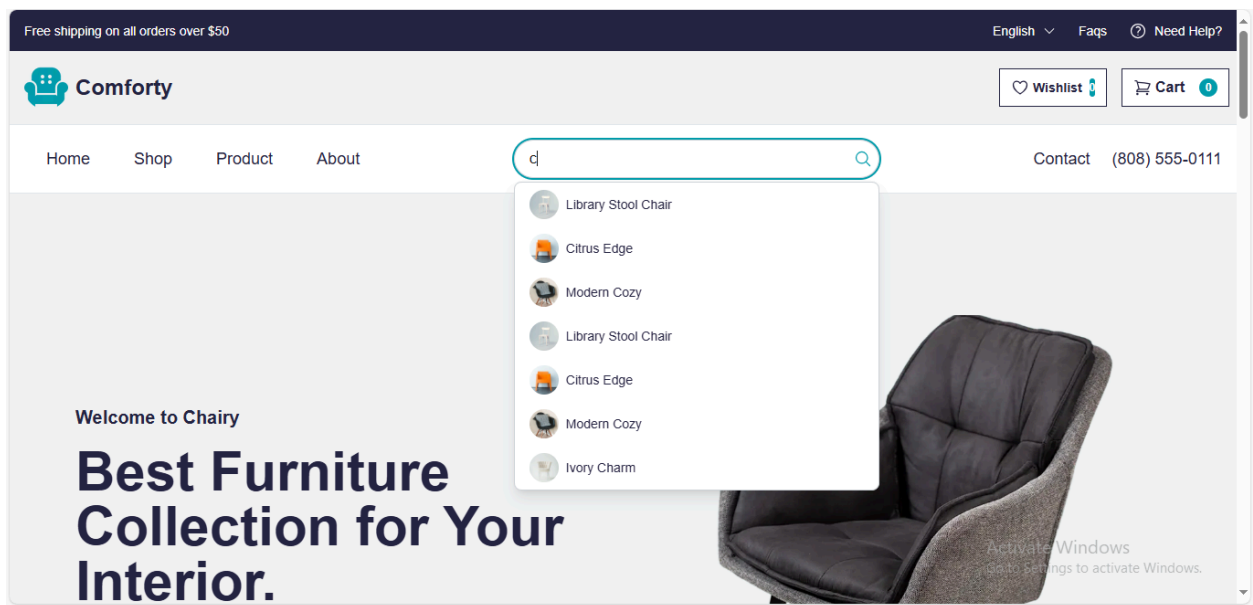
- **.Dynamic Category Display:** Displayed chair categories dynamically fetched from the data source.
- **Product Filtering:** Enabled filtering of chair products based on selected categories





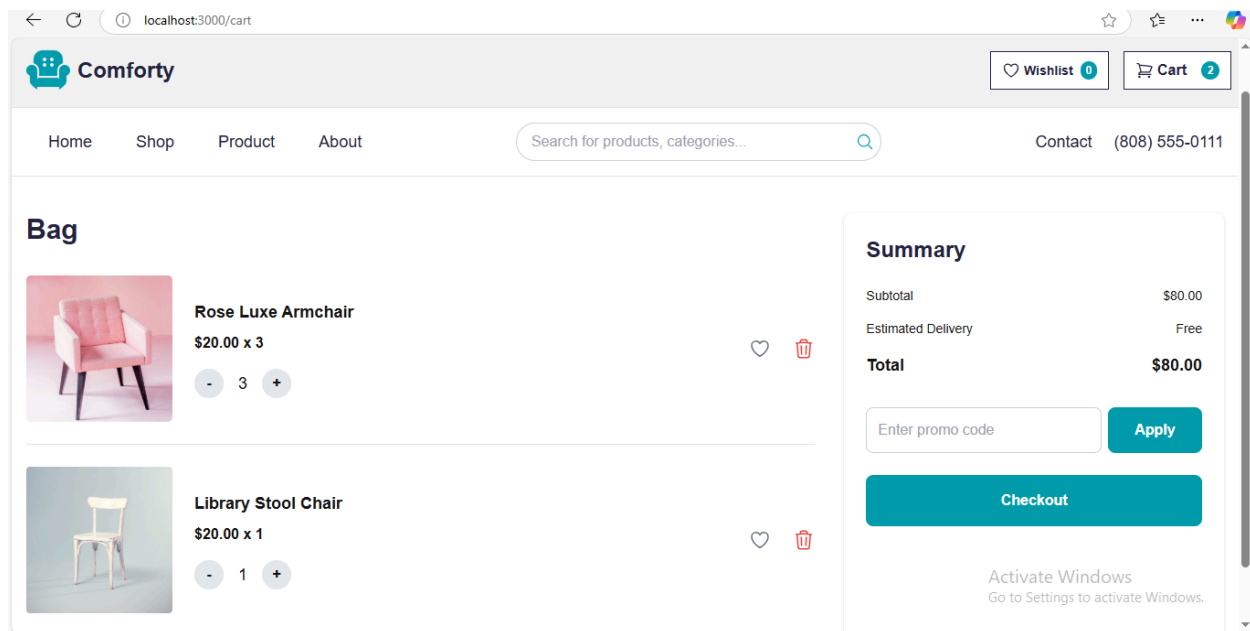
4. Search Bar and Filters

- **Real-Time Search:** Created a search bar for real-time product filtering by name or tags.
- **Category Filters:** Integrated filters based on chair categories, fetched dynamically from the API.



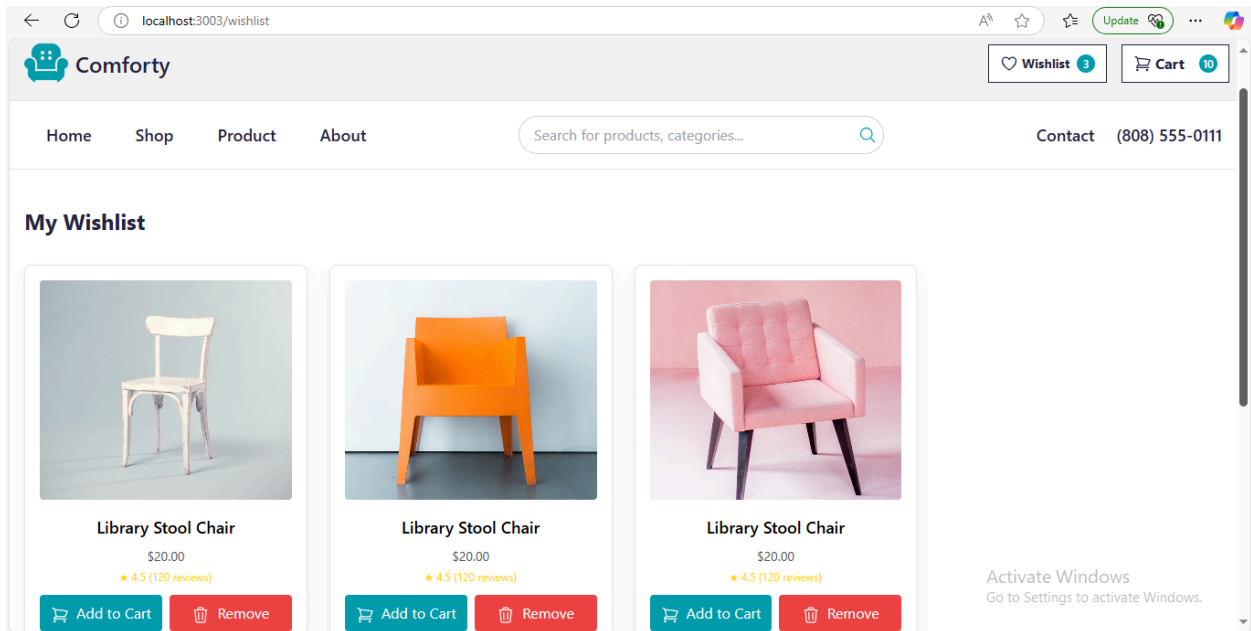
5. Cart Component

- **Functional Cart:** Developed a cart system for adding, viewing, and modifying chair quantities.
- **Delete and Favorite Options:** Integrated functionalities for deleting items and marking chairs as favorites.
- **Checkout Integration:** Enabled users to proceed to checkout and manage their orders efficiently.



6. Wishlist Component

- **Wishlist Functionality:** Developed a wishlist feature for users to save their favorite chairs for future purchase.
- **Easy Access:** Enabled users to view and manage their saved chairs with the option to add them to the cart later.



Step 7: Checkout Flow Component

- **Checkout Process:** Developed a streamlined checkout flow where users can review their cart, input shipping and billing addresses, and select payment methods.
- **Order Confirmation:** Included an order confirmation page summarizing the purchase with estimated delivery details.

The screenshot shows a web browser window with the address bar displaying 'localhost:3000/checkout'. The main content area features a form titled 'Shipping & Payment Details'. The form is divided into two main sections: shipping information and payment information. The shipping section includes input fields for 'Full Name', 'Address', 'City', 'Zip Code', and 'Country'. A tooltip with the text 'Please fill out this field.' is visible over the 'Full Name' field. The payment section includes a 'Payment Method' dropdown menu currently set to 'Bank Transfer', with a subtext 'Direct bank transfer to our account.' Below this are input fields for 'Account Holder Name', 'Bank Account Number', and 'Bank Name'. At the bottom of the form is a large teal button labeled 'Submit Order'. In the bottom right corner of the browser window, there is a Windows watermark that says 'Activate Windows Go to Settings to activate Windows.'

Self-Validation Checklist:

Frontend Component Development:	Styling and Responsiveness	Code Quality	Documentation and Submission
✓	✓	✓	✓

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Slot: Saturday 2 to 5