

Day 4 - Dynamic Frontend Components

Project: Furniro

On Day 4, I worked on implementing dynamic frontend components using Sanity CMS and APIs for a real-world client project, Furniro. I integrated several dynamic features into the responsive UI, including:

- **Search & Filters** – Enabling users to find products easily.
- **Product Listing** – Fetching and displaying furniture items dynamically from Sanity CMS.
- **Cart Management** – Adding, removing, and updating items in the cart.
- **Wishlist & Product Comparison** – Allowing users to save and compare products.

Product Listing Page – Furniro

This page dynamically displays a wide range of furniture products, fetching structured data from Sanity CMS and presenting it in an intuitive, visually appealing interface. The goal was to enhance the shopping experience by making product discovery seamless and engaging.



Nordic Elegance

Elevate your space with Nordic Elegance—a collection that brings the minimalist beauty and...

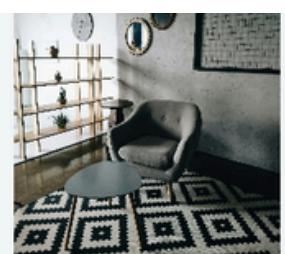
\$ 280



Pure Aura

Experience the essence of tranquility and purity with PureAura—a collection designed to...

\$ 280



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Product Detail Page – Furniro

The Product Detail Page is designed to provide customers with an in-depth view of a specific furniture item, ensuring they have all the necessary information to make an informed purchase. It displays comprehensive product details, including dimensions, materials, color options, pricing, and availability. Customers can add the product to their cart for immediate purchase or save it to their wishlist for future consideration. To enhance personalization, the page also suggests related products, allowing users to explore similar or complementary items that match their preferences. Each product is uniquely identified by an ID, enabling dynamic routing and seamless data retrieval from Sanity CMS, ensuring smooth navigation and efficient rendering of content. The page is optimized for responsiveness, offering a seamless browsing experience across different devices. By integrating these features, the Product Detail Page enhances usability and engagement, making the shopping experience more convenient and enjoyable for customers.

The screenshot shows a product detail page for a sofa. On the left, there's a large main image of a grey upholstered sofa with vertical tufting, and to its left is a vertical stack of four smaller thumbnail images of the same sofa from different angles. At the top right of the page, there's a search bar and a user icon. Below the header, a navigation bar includes links for Home, Shop, Blog, and Contact. The main content area starts with the product title "Timeless Elegance" in bold black text, followed by the price "\$ 320.00". A descriptive paragraph follows, mentioning the collection's fusion of classic beauty and modern sophistication, its refined style, and its ability to bring grace, charm, and unparalleled quality to any space. The paragraph ends with a truncated sentence starting with "With its clean lines, luxurious materials, a.....". Below this text is a button labeled "Add to Wishlist" with a heart icon. At the bottom of the page, there are quantity selection buttons with minus, plus, and zero symbols, and an "Add to Cart" button.

3000/Shop/BQj9k9W1Mf2GlcuUg50hc9

Maps YouTube

Home Shop Blog Contact

Timeless Elegance

\$ 320.00

Introducing TimelessElegance—a collection that embodies the perfect fusion of classic beauty and modern sophistication. Designed for those who appreciate the enduring appeal of refined style, TimelessElegance brings grace, charm, and unparalleled quality to any space. Each piece in this collection is crafted to stand the test of time, offering not only lasting durability but also a sense of sophistication that never goes out of style. With its clean lines, luxurious materials, a.....

Add to Wishlist

– 1 +

Add to Cart

Pagination

To enhance navigation and improve the shopping experience, I implemented a pagination system with two pages, allowing customers to browse through multiple product listings effortlessly. This feature ensures that users can explore a wide range of products without overwhelming the interface with excessive content on a single page. By breaking down the product listings into manageable sections, pagination improves loading efficiency, enhances user engagement, and provides a smoother browsing experience.



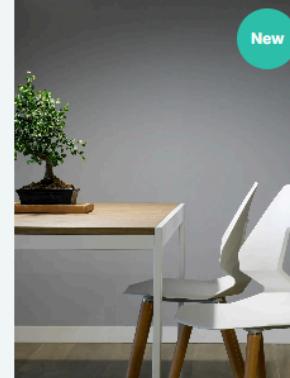
Bed
Introducing the Bed—your sanctuary for rest and relaxation, designed with both comfort and style i...
\$ 250



Bed
Introducing the Bed—your sanctuary for rest and relaxation, designed with both comfort and style i...
\$ 250



Zen Table
Introduce tranquility and balance into your home with ZenTable—a beautifully crafted piece...
\$ 250



Zen Table
Introduce tranquility and balance into your home with ZenTable—a beautifully crafted piece...
\$ 250

Shopping Cart: In this cart, users can view and manage their selected items. It offers a smooth experience to review, adjust quantities, and proceed to checkout effortlessly.

The screenshot shows a shopping cart interface on a website. The cart contains two items:

- The Lucky Lamp**: Quantity 3, Price \$600.
- The Dandy chair**: Quantity 8, Price \$1,200.

The subtotal is \$1,800. At the bottom, there are buttons for "Cart", "Checkout", and "Comparison".

Checkout Page: On the checkout page, all cart items are carried over for the final review. Customer can select their preferred payment method and securely place their order.

Order Successful: When the order is successfully placed, the customer will see a confirmation message along with their order details.

HAVE NO COMPANY

Street Address
XYZ

Country / Region
Pakistan

Town / City
karachi

Province
sindh

ZIP Code
12345

Phone
00000000000000

The Dandy chair x 8	150	1200
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Direct Bank Transfer
 Cash On Delivery

Pay when your order arrives at your address.

Your personal data will be used to support your experience throughout this website, to manage access to your account, and for other purposes described in our [privacy policy](#).

[Place order](#)

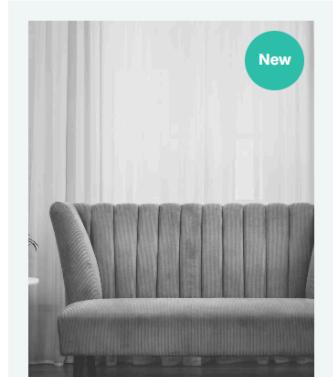
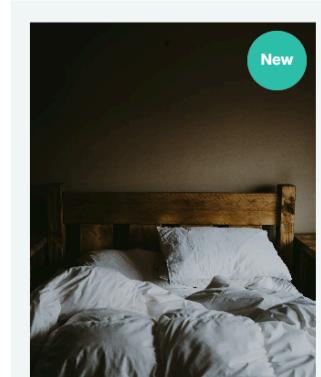
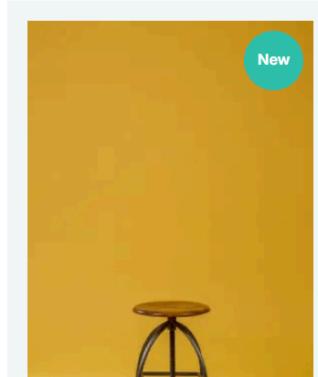
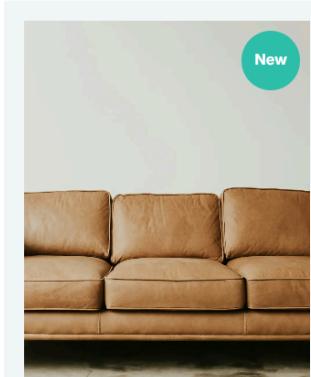
Dear MISHA JATT,
 Your order has been placed successfully!
 It will be delivered to: xyz, karachi, Pakistan, ZIP:
 12345
 Estimated delivery time: 3-5 business days.

Product Filtering on Furniro

On Furniro, customers can filter products in three ways: By New Arrivals – View the latest products. By Discount – Filter products with available discounts. By Price – Filter products based on price range

By New Arrivals:

Filter New Arrivals Showing 4



By Discounts;

Filter Discount Showing 4



Bold Nest

Welcome to BoldNest—where fearless design meets comfort and



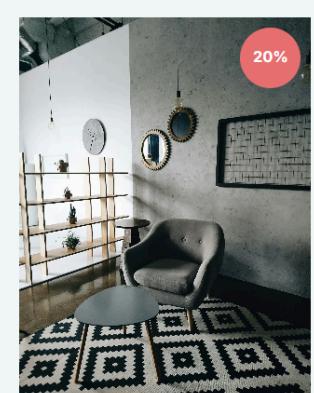
Reflective Haven

Create a sanctuary of calm and introspection with ReflectiveHaven—a



Syltherine

Introducing Syltherine – the ultimate fusion of elegance and power.



Nordic Elegance

Elevate your space with Nordic Elegance—a collection that brings the

By PriceOf Item

Filter Price Showing 6

Nordic Elegance
Elevate your space with Nordic Elegance—a collection that brings the

Pure Aura
Experience the essence of tranquility and purity with PureAura—a

Nordic Elegance
Elevate your space with Nordic Elegance—a collection that brings the

Pure Aura
Experience the essence of tranquility and purity with PureAura—a

Wishlist Component: The wishlist component allows customers to view and manage their selected items. Each item includes options to remove from Wishlist or Add to Cart, providing a smooth and intuitive shopping experience.

Wishlist

Home > Wishlist

 The Lucky Lamp
Price: \$200.00

 The Dandy chair
Price: \$150.00

 Timeless Elegance
Price: \$320.00

- 1 + Add to Cart

- 1 + Add to Cart

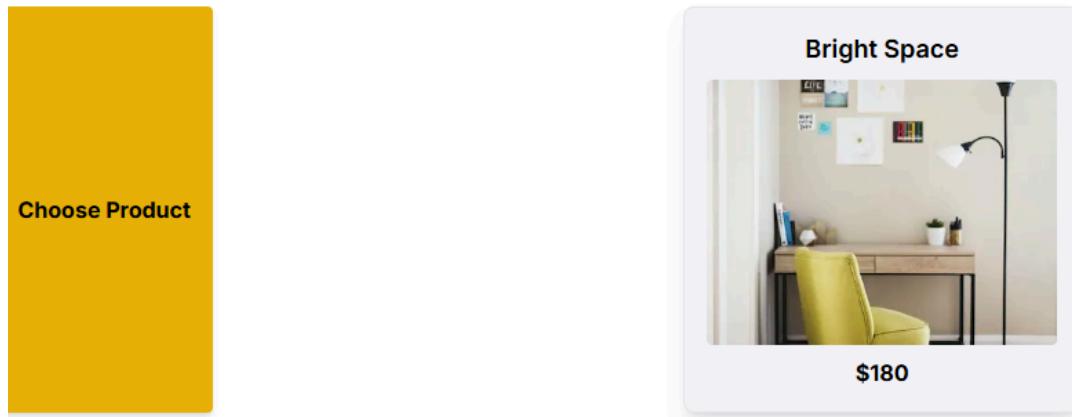
- 1 + Add to Cart

Search Component: The search component allows customers to easily find any furniture item. If a product is not available, a 'Not Found' message is displayed, ensuring a smooth search experience.

Search

No products found for "tu"

Comparison Page: This comparison page allows customers to select multiple furniture items and view a detailed comparison side by side. Customers can compare features, specifications, and prices to make informed decisions.



Comparison for Bright Space

Feature	Bright Space	Timber Craft
Price	\$180	\$320
Discount	10%	30%
Tags	bright space minimalistic modern decor	wooden craftsmanship furniture modern nature inspired
Is New	No	No

Dynamic Product Page Code Snippet

```
6  const [products, setProducts] = useState<Product>([]);  
7  const [reviews, setReviews] = useState([]);  
8  const handleShare = () => {  
9    navigator.clipboard.writeText(window.location.href);  
10   alert("Product link copied to clipboard!");  
11 };  
12 // State to manage visibility of sections  
13 const [activeSection, setActiveSection] = useState<'description' | 'additional' | 'reviews'>('description');  
14  
15 useEffect(() => {  
16   const fetchProduct = async () => {  
17     try {  
18       const fetchedProducts = await client.fetch<Product[]>( `  
19         *[_type == "product" && _id == $id]{  
20           _id,  
21           title,  
22           price,  
23           discountPercentage,  
24           tags,  
25           isNew,  
26           description,  
27           "productImage": productImage.asset->url  
28         }  
29       `, { id });  
30  
31       if (fetchedProducts.length > 0) {  
32         setProduct(fetchedProducts[0]);  
33         setImage(fetchedProducts[0].productImage);  
34       }  
35     } catch (error) {  
36       console.error("Failed to fetch product", error);  
37     }  
38   }  
39 };
```

Search Bar Code Snippet

```
8  useEffect(() => {
9      const fetchProducts = async () => {
10          const query = await client.fetch(
11              `[_type == "product"]{
12                  _id,
13                  title,
14                  description,
15                  price,
16                  discountPercentage,
17                  tags,
18                  isNew,
19                  "productImage": productImage.asset->url
20              }`
21      );
22      setProducts(query);
23      setFilteredProducts(query);
24      setLoading(false);
25  };
26
27  fetchProducts();
28 }, []);
29
30 useEffect(() => {
31     if (query.trim() === "") {
32         setFilteredProducts(products);
33     } else {
34         const filtered = products.filter((product) =>
35             product.title.toLowerCase().includes(query.toLowerCase())
36         );
37         setFilteredProducts(filtered);
38     }
39 }, [query, products]);
40
41 const handleSearchChange = (e: React.ChangeEvent<HTMLInputElement>) => {
42     setQuery(e.target.value);
```

Self-Validation Checklist

- Frontend Component Development ✓
- Styling and Responsiveness ✓
- Code Quality ✓
- Documentation and Submission ✓
- Final Review ✓

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