

# **Hackathon**

## **DAY 4 - BUILDING DYNAMIC FRONTEND COMPONENTS FOR YOUR MARKETPLACE**

### **Objective:**

"I focus on creating dynamic front-end components to show marketplace data from Sanity CMS or APIs. I aim to build reusable, modular designs while following best practices to make web applications scalable and responsive."

### **Key Learning:**

- Fetched dynamic component data from Sanity CMS and APIs.
- Designed reusable and modular components for better scalability.
- Focused on responsive design and UX/UI best practices.
- Simulated professional workflows to prepare for real-world client projects.

### **Components:**

#### **Code**

- Product Component:

```

1  "use client";
2  import { useCart } from "@/app/cart/context/CartContext";
3  import Image from "next/image";
4  import Link from "next/link";
5  import { urlFor } from "@sanity/lib/image";
6  import { useState, useEffect } from "react";
7  import { client } from "@/sanity/lib/client";
8
9  interface Product {
10   _id: string;
11   title: string;
12   description: string;
13   productImage: string;
14   price: number;
15   tags: string[];
16   discountPercentage?: number;
17   isNew?: boolean;
18 }
19
20 const getProducts = async () => {
21   try {
22     const product = await client.fetch(
23       `[_type=="product"]{0..5}{
24         _id,
25         title,
26         description,
27         price,
28         productImage,
29         tags,
30         discountPercentage,
31         isNew
32       }
33     `);
34     return product;
35   } catch (error) {
36     console.error("Error fetching products:", error);
37     return [];
38   }
39 };
40
41 export default function CardManager() {
42   const [products, setProducts] = useState<Product[]>([]);
43   const [selectedColor] = useState<string>(""); // Default empty string
44   const [selectedSize] = useState<string>(""); // Default empty string
45   const { addToCart } = useCart();
46
47   useEffect(() => {
48     const fetchProducts = async () => {
49       const products = await getProducts();
50       setProducts(products);
51     };
52     fetchProducts();
53   }, []);
54
55   if (products.length === 0) {
56     return <p>loading products...</p>;
57   }
58
59   return (
60     <section className="p-6 bg-gray-50 mt-20">
61       <h2 className="text-center">Our Products</h2>
62       <div className="display grid sm:grid-cols-2 md:grid-cols-3 lg:grid-cols-4 gap-6">
63         {products.map((product) => (
64           <div
65             key={product._id}
66             className="relative border rounded-lg bg-white shadow hover:shadow-lg transition transform hover:translate-y-1 group overflow-hidden"
67           >
68             <div className="p-4">
69               <h3>{product.title}</h3>
70               <p>{product.description}</p>
71               <p>Price: {product.price}</p>
72               <p>Discount: {product.discountPercentage}</p>
73             </div>
74             <div className="p-4">
75               <img alt={product.productImage}>
76               <p>{product.productImage}</p>
77             </div>
78             <div className="p-4">
79               <p>Add to Cart</p>
80             </div>
81           </div>
82         ))}
83       </div>
84     </section>
85   );
86 }

```

- More Product Components:



- Product Detail Component:



- Add to Cart Component:

```

1  'use client';
2  import Image from 'next/image';
3  import { urlFor } from '@sanity/lib/image';
4  import { useCart } from '@app/Cart/context/CartContext';
5  // import { useWishlist } from '@app/Wishlist/context/WishlistContext'; // Uncomment if using Wishlist context
6
7  // Mapping for colors
8  const colorNames: Record<string, string> = {
9    'bg-myBlue': 'Blue',
10   'bg-myDarkGreen': 'Green',
11   'bg-myOrange': 'Orange',
12   'bg-myDark': 'Dark',
13 };
14
15 const CartPage = () => {
16   const { cart, updateQuantity, removeFromCart } = useCart();
17   // const { addToWishlist } = useWishlist(); // Uncomment if Wishlist functionality is added
18
19   const calculateTotal = () =>
20     cart.reduce((total, item) => total + item.price * item.quantity, 0);
21
22   // const handleAddToWishlist = (item: any) => {
23   //   addToWishlist(item); // Add item to wishlist
24   // };
25
26   return (
27     <div className="p-8">
28       <h1 className="text-4xl font-bold my-6 text-center hover:underline text-myDarkOrange">
29         Your Cart
30       </h1>
31       {cart.length === 0 ? (
32         <p className="text-xl font-semibold">Your Cart is Empty</p>
33       ) : (
34         <div className="space-y-6">
35           {cart.map((item) => (
36             <div
37               key={item.id}
38               className="flex flex-col md:flex-row items-center border p-4 rounded-lg space-y-4 md:space-y-0 md:space-x-6"
39             >
40               <Image
41                 src={urlFor(item.image).url()}
42                 alt={item.heading}
43                 width={80}
44                 height={80}
45                 className="object-cover rounded-md"
46               />
47               <div className="flex-1 text-center md:text-left">
48                 <h2 className="font-semibold text-lg">{item.heading}</h2>
49                 <p className="text-gray-600">
50                   ${item.price.toFixed(2)} x {item.quantity}
51                 </p>
52                 <p className="font-bold text-gray-800">
53                   Total: ${(item.price * item.quantity).toFixed(2)}
54                 </p>
55                 {/* Display the selected color and size */}
56                 <p className="mt-2 text-sm text-gray-700">
57                   <strong>Color:</strong> {colorNames[item.selectedColor] || 'Not selected'}
58                 </p>
59                 <p className="mt-1 text-sm text-gray-700">
60                   <strong>Size:</strong> {item.selectedSize || 'Not selected'}
61                 </p>
62               </div>
63               <div className="flex items-center space-x-4">
64                 <button
65                   onClick={() => updateQuantity(item.id, item.quantity - 1)}
66                   className="px-3 py-1 border rounded hover:bg-gray-200"
67                 >
68                   -
69                 </button>
70                 <span className="text-lg font-medium">{item.quantity}</span>
71                 <button
72                   onClick={() => updateQuantity(item.id, item.quantity + 1)}
73                   className="px-3 py-1 border rounded hover:bg-gray-200"
74                 >
75                   +
76                 </button>
77               </div>
78               <button
79                 onClick={() => removeFromCart(item.id)}
80                 className="px-4 py-2 bg-red-500 text-white rounded hover:bg-red-600"
81               >
82                 Remove
83               </button>
84               {/* Uncomment the following button if you add Wishlist functionality */}
85               {/* <button
86                 onClick={() => handleAddToWishlist(item)}
87                 className="px-4 py-2 bg-blue-500 text-white rounded hover:bg-blue-600"
88               >
89                 Add to Wishlist
90               </button> */}
91             </div>
92           ))}
93         <div className="text-right font-bold text-xl mt-4">
94           Total: ${calculateTotal().toFixed(2)}
95         </div>
96       </div>
97     )}
98   </div>
99 );
100 };
101
102 export default CartPage;
103
104
105
106
107

```




Images

- Product Component:

Our Products

New

% off




Amber Haven

\$ 150

Add to Cart

New

% off




The Dandy chair

\$ 150

Add to Cart

% off



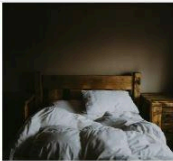
Marble Ease

\$ 419

Add to Cart

New

% off




Bed

\$ 250

Add to Cart


% off



Pure Aura

\$ 200

20% off



Syltherine

\$ 200

Activate Windows

Go to Settings to activate Windows.

- More Product Components:



- Product Detail Component:



## Marble Ease

**\$ 419**

Size:

XS

Color:



Quantity:

1

 [Add to Cart](#)

Compare

SKU: SS001

Category: Sofas

Share:



elegance

### Description

Introducing MarbleEase—a luxurious collection that brings the timeless elegance of marble into your home with ease and sophistication. Designed for those who appreciate understated beauty and high-end design, MarbleEase combines the natural allure of marble with modern functionality, creating an effortless balance between style and practicality. Each piece in the MarbleEase collection features the exquisite veining and refined textures that make marble a classic choice, while offering lightweight and durable alternatives that ensure easy maintenance and long-lasting appeal. Whether you are adding a statement piece to your living room, kitchen, or office, MarbleEase brings a touch of opulence and tranquility to any space. From sleek tabletops and chic home accessories to sophisticated decor accents, MarbleEase infuses your home with a sense of luxury and simplicity. Its neutral tones and classic design complement a wide variety of interior styles, from modern minimalism to more traditional settings. Perfect for those who value timeless design with a contemporary twist, MarbleEase offers elegance without the hassle. Key Features: Timeless marble-inspired design with beautiful veining and texture High-quality, easy-to-care-for materials that offer durability and longevity Lightweight and functional, making it ideal for daily use and effortless maintenance Versatile pieces that complement a wide range of interior styles Perfect for adding an elegant, luxurious touch to any room Elevate your home with MarbleEase—where luxury meets ease, and timeless design is made effortlessly modern. Create a space that reflects your love for beauty, simplicity, and sophistication.

## Furniro

400 University Drive Suite 200  
Coral Gables, FL 33134 USA

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Enter your email




- Add to Cart Component:



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### Your Cart



**The Dandy chair**  
\$150.00 x 1  
**Total: \$150.00**  
Color: Not selected  
Size: Not selected

- 1 +

Remove



**Amber Haven**  
\$150.00 x 1  
**Total: \$150.00**  
Color: Not selected  
Size: Not selected

- 1 +

Remove

**Total: \$300.00**