

# Day 4 - Dynamic Frontend Components – Nike store

Date: [17-1-25]

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Project: [-BUILDING DYNAMIC FRONTEND COMPONENTS FOR MARKETPLACE]

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## Overview:

Day 4 of Hackathon 3 marked significant progress in **building dynamic frontend components for a marketplace**. Key achievements included an Profile Page a Product Listing Page with filters, a Dynamic Product Detail Page, a functional Cart and Wishlist Page, and a responsive Search Bar with real-time suggestions. Integrated with dynamic data fetching, the platform is scalable and user-friendly. Despite challenges like UI consistency and functionality conflicts, the day ended with a robust, feature-rich platform ready for further optimization.

## **Key Achievements on Day 4:**

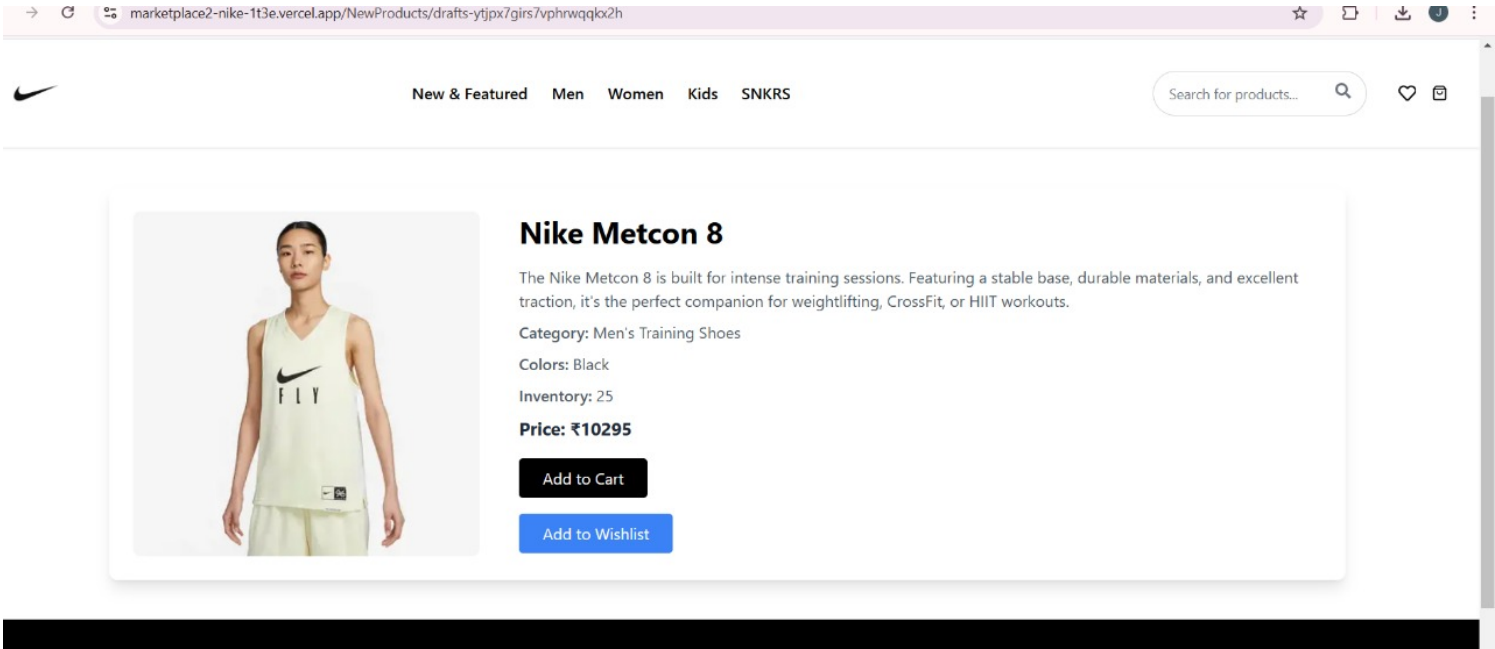
1. **Profile Page**
  - Created an interface user profile page.
2. **Checkout & Order Confirmation Page**
  - After checkout appealing page with thanks to customer with their order details.
3. **Dynamic Product Detail Page**
  - Built a detailed product page displaying interactive information like colors, sizes, and inventory status.
4. **Cart and Wishlist Pages**
  - Implemented functional pages for managing user-selected items with add/remove capabilities.
5. **Responsive Search Bar**
  - Added real-time product suggestions with dynamic search functionality for an enhanced user experience.
6. **Dynamic Data Integration**
  - Leveraged APIs for dynamic data fetching to ensure scalability and performance.
7. **UI/UX Improvements**
  - Ensured consistency and responsiveness across all pages for a seamless user journey.

These achievements collectively enhanced the marketplace's functionality, making it ready for further optimizations and personalization.

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## 1. Dynamic Product Detail Page

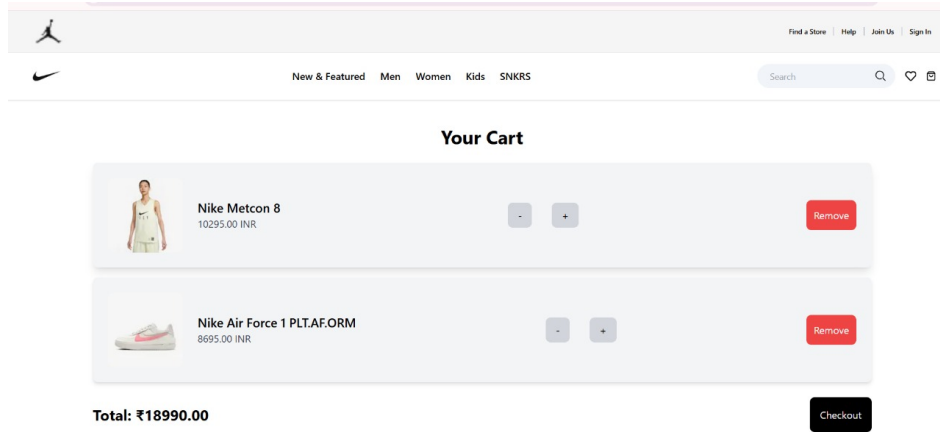
- Provides detailed information about individual products, including images, descriptions, and price.
- Features interactive elements like color selection and inventory status.
- Integrates add-to-cart and wishlist options for enhanced user engagement.



```
7 import { client } from "@sanity/lib/client";
8
9
10 const builder = imageUrlBuilder(client);
11
12 function urlFor(source: string | null) {
13   return source ? builder.image(source).url() : "/placeholder-image.png";
14 }
15
16 const ProductCards = () => {
17   const [products, setProducts] = useState<IProducts[]>([]);
18
19   const fetchProducts = async () => {
20     try {
21       const query = `*_type == "product" {
22         _id,
23         productName,
24         inventory,
25         category,
26         description,
27         colors,
28         image,
29         status,
30         price,
31         slug {
32           current
33         }
34       }`;
35       const data = await client.fetch(query);
36       setProducts(data);
37     } catch (error) {
38       console.error("Error in fetching Products:", error);
39     }
40   };
41
42   useEffect(() => {
```


## 2. Cart Page

- Displays selected items with a summary of pricing, quantities, and total costs.
- Includes options to update or remove products from the cart.
- Features a checkout button leading to payment and order confirmation.



## 3. Checkout

**Checkout**



**Nike Metcon 8**  
₹10295.00  
Quantity: 1

**Total: ₹10295.00**

**Shipping Information**

**Payment Method**

**Confirm and Pay**

#### 4. Order Confirmation

### Thank You for Your Order!

Your order is being processed, and you will receive an email confirmation shortly.

#### Order Summary

Order Number: **ORD-137804**



**Nike Air Force 1 Mid '07**

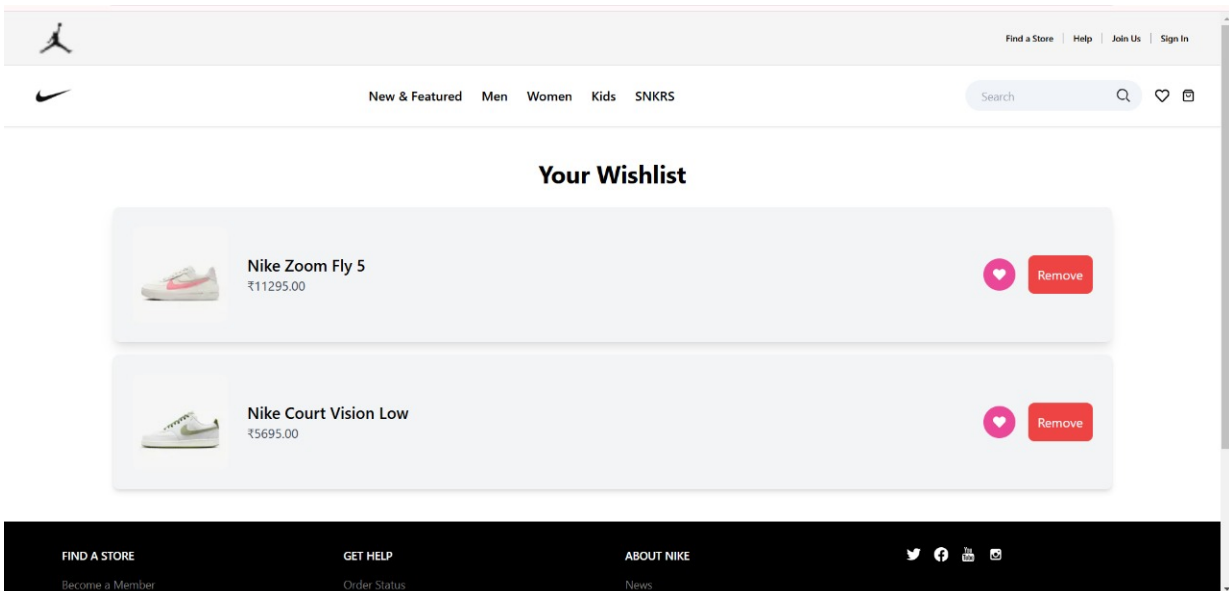
Quantity: 1  
₹10795.00

**Total: ₹10795.00**

[Return to Home](#)

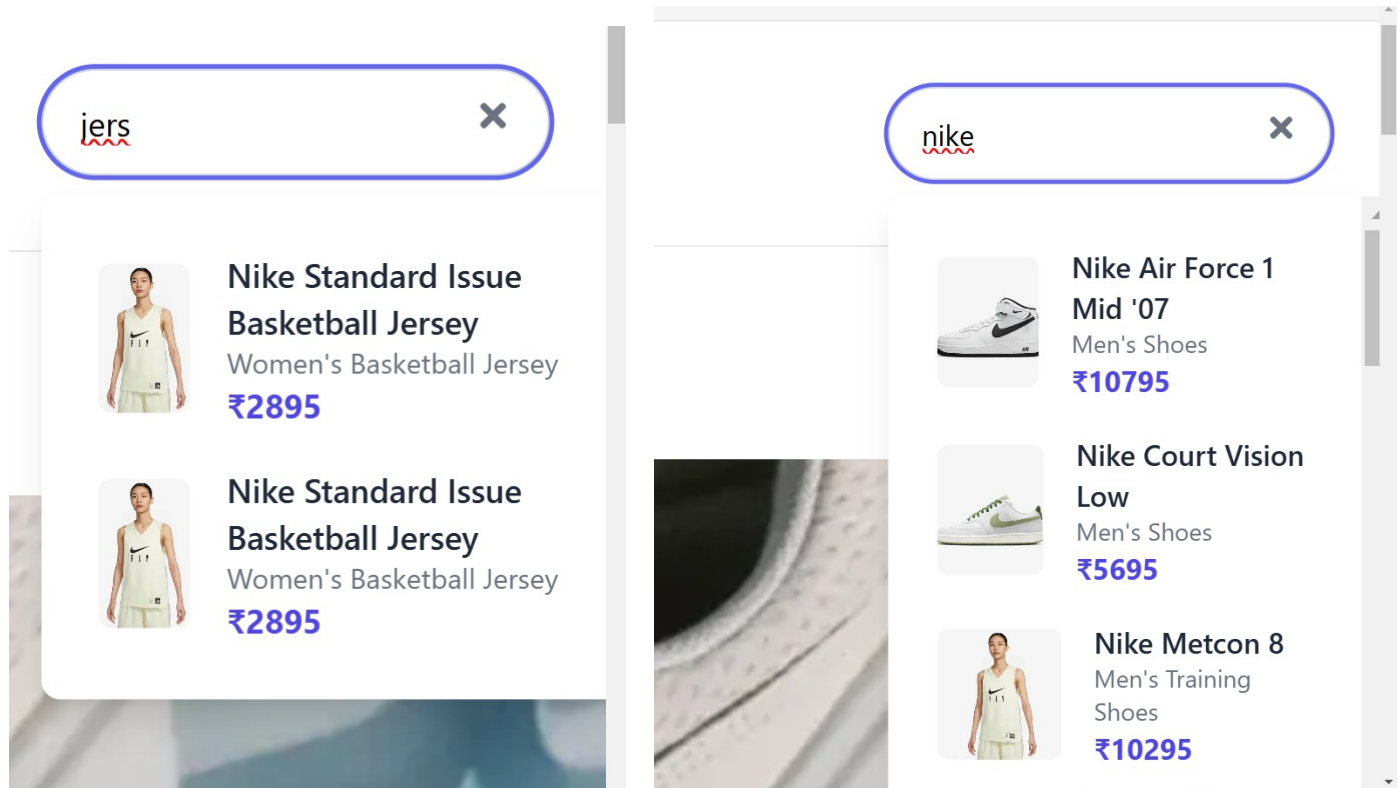
#### 5. Wishlist Page

- Allows users to save favorite products for future purchases.
- Provides easy access to product details or removal from the list.
- Includes seamless integration with the product detail and cart pages.



## 6. Search Bar

- Offers real-time search suggestions for products based on user input.
- Enhances user experience with fast and accurate results.



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## Challenges Faced

- **Integrating dynamic data:** Ensuring data was fetched and displayed without delays.
- **UI Consistency:** Maintaining a cohesive design across all pages.
- **Functionality Conflicts:** Addressing issues like duplicate wishlist items and cart updates.

## Final Thoughts

Day 4 progress, covering essential features of an e-commerce platform. With these additions, the project is well-positioned to deliver a functional and user-friendly experience.

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this is the completion of my Day 4 Hackathon work by Mehwish Sajjad I have successfully brought these features to life in my e-commerce website, ensuring a dynamic and user-friendly experience.