

# Building Dynamic Frontend Components - Nike Store

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***Project: Building Dynamic Frontend Components***

## Overview

Day 4 was all about bringing the **Nike Store** marketplace to life by building **dynamic frontend components**. The goal was to create a seamless, user-friendly experience that integrates smoothly with the backend (Sanity CMS and APIs). Key achievements include developing a **Product Listing Page**, **Dynamic Product Detail Page**, **Cart and Wishlist Pages**, and a **Responsive Search Bar**. These components were designed to enhance usability and ensure a smooth shopping experience.

## Key Achievements

### 1. Product Listing Page

- **Objective:** Display products dynamically with filtering options.
- **Features:**
  - Rendered product data in a clean, grid-based layout.
  - Included essential fields like **Product Name**, **Price**, **Image**, and **Stock Status**.
  - Added filtering options by **category**, **color**, and **price range**.
  - Ensured the design was **responsive** for all devices, from mobile to desktop.

New (500)

Shoes  
Sports Bras  
Tops & T-Shirts  
Hoodies & Sweatshirts  
Jackets  
Trousers & Tights  
Shorts  
Tracksuits  
Jumpsuits & Rompers  
Skirts & Dresses  
Socks  
Accessories & Equipment

**Gender**

In Stock

Nike Air Force 1 Mid '07  
Men's Shoes  
White  
MRP : 10795

In Stock

Nike Court Vision Low Next Nature  
Men's Shoes  
Black  
MRP : 4995

In Stock

Air Jordan 1 Elevate Low  
Women's Shoes  
White  
MRP : 11895

Hide Filters ▾ Sort By ▾

## 2. Dynamic Product Detail Page

- **Objective:** Provide detailed information about individual products.
- **Features:**
  - Created individual product pages using **dynamic routing** in Next.js.
  - Displayed detailed fields like **Product Description**, **Price**, **Available Sizes**, and **Colors**.
  - Integrated **Add to Cart** and **Add to Wishlist** buttons for easy user interaction.

Nike Air Force 1 Mid '07  
Men's Shoes

MRP : ₹ 10795  
incl. of taxes  
(Also includes all applicable duties)

Select Size

UK 6 (EU 40)	UK 7 (EU 41)	UK 8 (EU 42)
UK 9 (EU 43)	UK 10 (EU 44)	
UK 11 (EU 45)	UK 12 (EU 46)	

Size Guide

Add to Bag

Facebook Twitter WhatsApp

**Shipping**  
You'll see our shipping options at checkout.

### 3. Cart Page

- **Objective:** Allow users to manage selected items.
- **Features:**
  - Displayed selected items with **pricing, quantities, and total costs.**
  - Included options to **update or remove** products from the cart.
  - Added a **Checkout** button leading to payment and order confirmation.

Skip to main content

New & Featured Men Women Kids Sale SNKRS

Search for products... 1

Bag

Nike Air Force 1 Mid '07

Men's Shoes

Quantity: 1

Subtotal ₹10795

Delivery Free

Total ₹10795

Checkout

### 4. Wishlist Page

- **Objective:** Enable users to save favorite products for future purchases.
- **Features:**
  - Allowed users to save products to their wishlist.
  - Provided easy access to product details or removal from the list.
  - Integrated seamlessly with the **Product Detail** and **Cart Pages**.
  - The Wishlist button will only be displayed when the inventory quantity is zero, allowing users to add out-of-stock items to their wishlist.

**Summary**

Subtotal	₹10795
Delivery	Free
Total	₹10795

**Checkout**

**Wishlist**

Your wishlist is empty!

FIND A STORE    GET HELP    ABOUT NIKE

## 5. Responsive Search Bar

- **Objective:** Enhance user experience with real-time search functionality.
- **Features:**
  - Offered **real-time search suggestions** based on user input.
  - Provided quick access to **Product Detail Pages** directly from search results.
  - Ensured fast and accurate results for a seamless user experience.

Skip to main content

Find Link Store Help Join Us Sign In

jordan

Air Jordan 1 Elevate Low Women's Shoes ₹11995

New (500)

Shoes  
Sports Bras  
Tops & T-Shirts  
Hoodies & Sweatshirts  
Jackets  
Trousers & Tights  
Shorts  
Tracksuits  
Jumpsuits & Rompers  
Skirts & Dresses  
Socks  
Accessories &

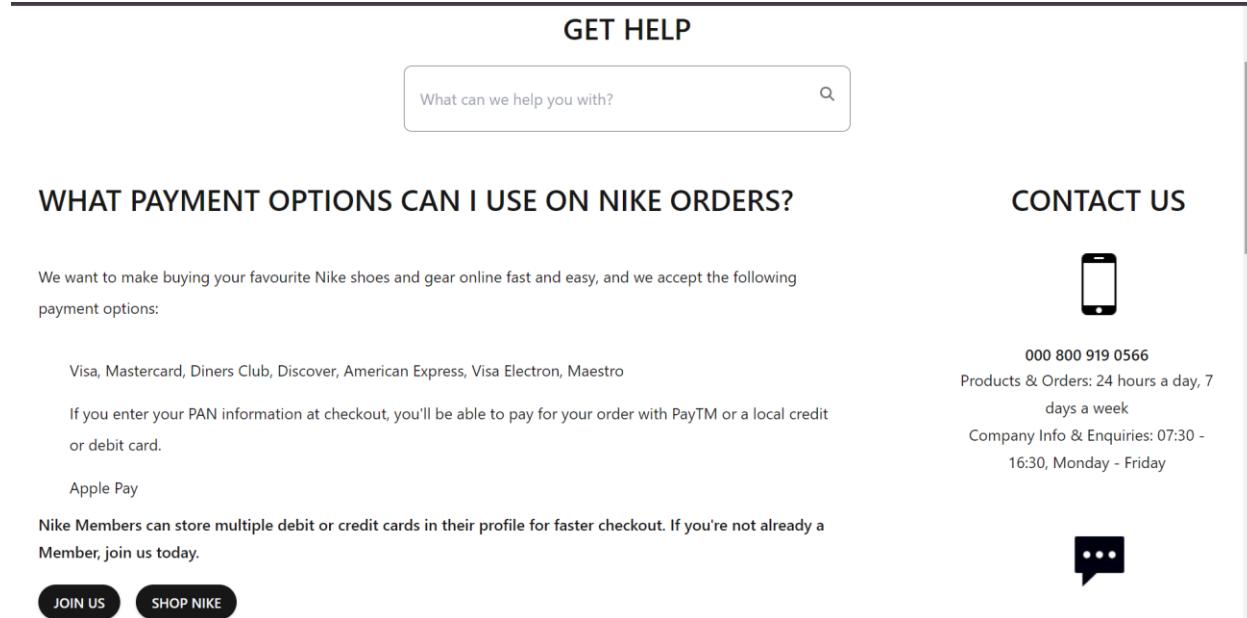
In Stock    In Stock    In Stock

## 6. FAQ & Help Component

**Objective:** Provide users with quick access to support and information.

**Features:**

- Developed a **searchable FAQ section** to address common questions effectively.
- Added a **contact form** enabling users to submit queries directly to the support team.
- Designed an interface that is both **intuitive** and **easy to navigate**.



GET HELP

What can we help you with? 

**WHAT PAYMENT OPTIONS CAN I USE ON NIKE ORDERS?**

We want to make buying your favourite Nike shoes and gear online fast and easy, and we accept the following payment options:

Visa, Mastercard, Diners Club, Discover, American Express, Visa Electron, Maestro

If you enter your PAN information at checkout, you'll be able to pay for your order with PayTM or a local credit or debit card.

Apple Pay

Nike Members can store multiple debit or credit cards in their profile for faster checkout. If you're not already a Member, join us today.

 **CONTACT US**

000 800 919 0566  
Products & Orders: 24 hours a day, 7 days a week  
Company Info & Enquiries: 07:30 - 16:30, Monday - Friday



**JOIN US** **SHOP NIKE**

## 7. Social Media Sharing Component

**Objective:** Empower users to share products effortlessly on social media platforms.

**Features:**

- Integrated **sharing buttons** for popular platforms such as **Facebook**, **Twitter**, and **WhatsApp**.
- Enabled direct product sharing via links from the **Product Detail Page**.
- Designed buttons to be **visually appealing**, accessible, and fully functional.



## 8. Footer & Header Components

**Objective:** Ensure consistent navigation and branding throughout the website.

### Features:

- Built a **responsive header** with navigation links to key pages, including **Home, Shop, and Cart**.
- Created a **footer** featuring essential links, **contact information**, and **social media icons**.
- Ensured both components were **mobile-friendly** and aligned with the site's overall **design aesthetics**.

The screenshot shows the Nike website's header and footer. The header includes the Nike swoosh logo, navigation links for New & Featured, Men, Women, Kids, Sale, and SNKRS, a search bar, and social media links for Twitter, Facebook, YouTube, and Instagram. The footer contains sections for FIND A STORE, GET HELP, and ABOUT NIKE, along with links for Order Status, Delivery, Returns, Payment Options, News, Careers, Investors, Sustainability, Contact Us on Nike.com, and Contact Us on All Other Inquiries. It also includes copyright information for India © 2023 Nike, Inc. All Rights Reserved and links for Guides, Terms of Sale, Terms of Use, and Nike Privacy Policy.

## Challenges Faced

### 1. Dynamic Data Integration:

- Ensuring data was fetched and displayed without delays.
- Resolved by optimizing API calls and implementing **loading states**.

### 2. UI Consistency:

- Maintaining a cohesive design across all pages.
- Addressed by using a **design system** and reusable components.

### 3. Functionality Conflicts:

- Issues like duplicate wishlist items and cart updates.
- Fixed by implementing proper **state management** and validation checks.

## Self-Validation Checklist

Task	Status
Product Listing Page	✓
Dynamic Product Detail Page	✓
Cart Page	✓
Wishlist Page	✓
FAQ & Help Component	✓
Social Media Sharing Component	✓
Search Bar	✓
Footer & Header Components	✓
Responsive Design	✓
Code Quality	✓
Documentation	✓

## Outcomes of Day 4

- Successfully built **dynamic frontend components** for the Nike Store.
- Integrated **real-time data fetching** from Sanity CMS and APIs.
- Enhanced the user experience with **responsive design** and **interactive features**.
- Prepared the platform for further optimization and scalability.

## Conclusion

Day 4 was a significant step forward in building a **functional and user-friendly marketplace** for the **Nike Store**. The dynamic components created today lay the foundation for a scalable and engaging e-commerce platform.

Check Preview here [<https://nike-app-df.vercel.app/>]