Building Dynamic Frontend Components - Nike Store

Name: Ubaid ur rahman

Roll No: 0063553

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:*

o *Rendered product data in a clean, grid-based layout.*

o *Included essential fields like Product Name, Price, Image, and Stock Status.*

o *Added filtering options by category, color, and price range.*

o *Ensured the design was responsive for all devices, from mobile to desktop.*

2. Dynamic Product Detail Page

• *Objective: Provide detailed information about individual products.*

• *Features:*

o *Created individual product pages using dynamic routing in Next.js.*

o *Displayed detailed fields like Product Description, Price, Available Sizes, and*

Colors.

o Integrated Add to Cart and Add to Wishlist buttons for easy user interaction.
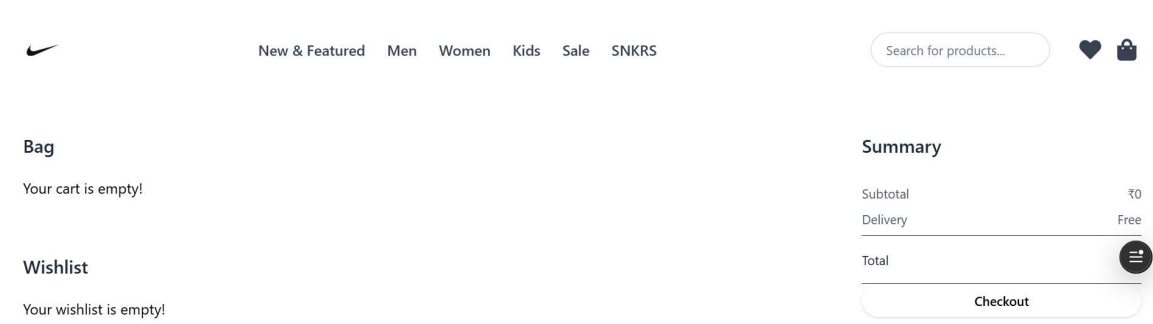
3. Cart Page

• **Objective: Allow users to manage selected items.**

• **Features:**

o Displayed selected items with pricing, quantities, and total costs.

o Included options to update or remove products from the cart.

*o Added a Checkout button leading to payment and order confirmation.*

4. Wishlist Page

• **Objective: Enable users to save favorite products for future purchases.**

- *Features:*

o *Allowed users to save products to their wishlist.*

o *Provided easy access to product details or removal from the list.*

o *Integrated seamlessly with the Product Detail and Cart Pages.*

o *The Wishlist button will only be displayed when the inventory quantity is zero,*

allowing users to add out-of-stock items to their wishlist
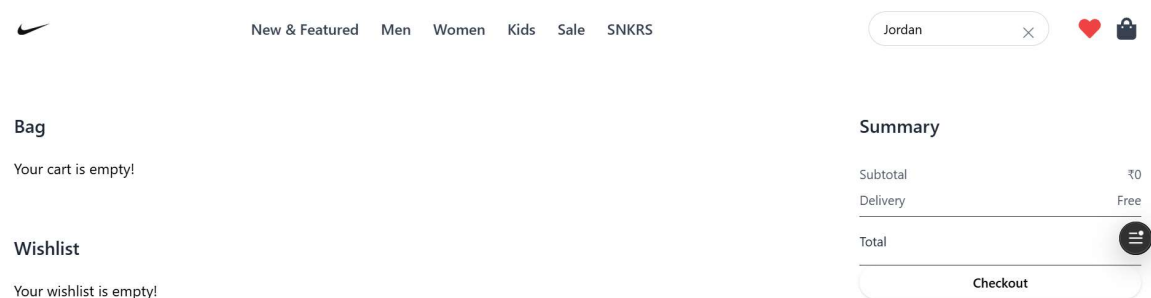
5. Responsive Search Bar

- *Objective: Enhance user experience with real-time search functionality.*

- *Features:*

o *Offered real-time search suggestions based on user input.*

o *Provided quick access to Product Detail Pages directly from search results.*

o *Ensured fast and accurate results for a seamless user experience.*

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

New & Featured   Men   Women   Kids   Sale   SNKRS

Search for products...

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

CONTACT US

000 800 919 0566
Products & Orders: 24 hours a day, 7 days a week

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
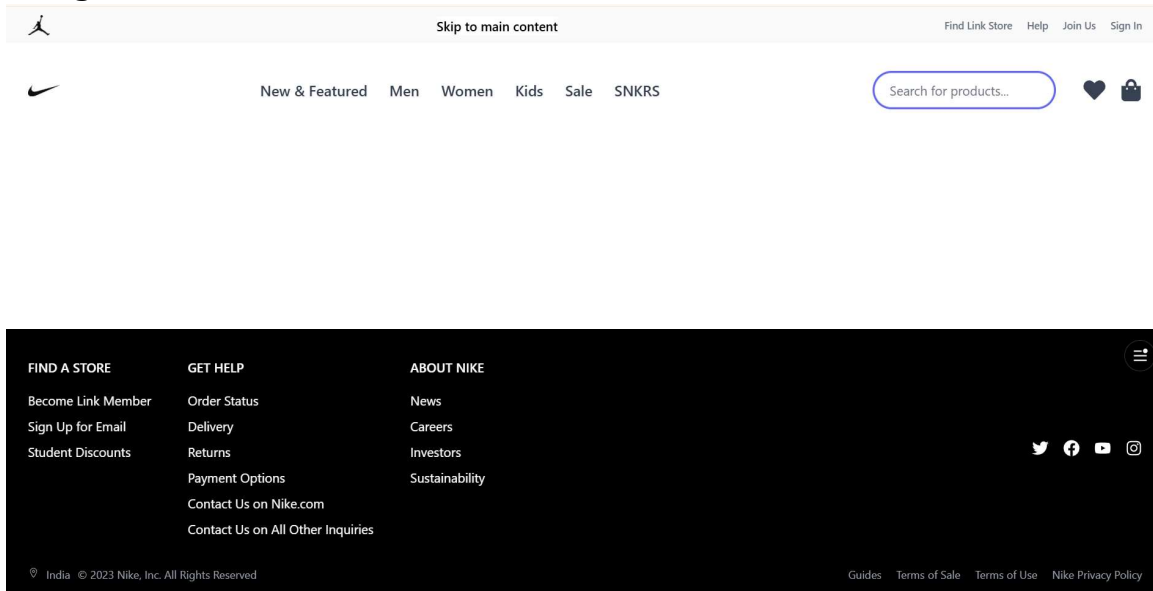
Challenges Faced

1. Dynamic Data Integration:

a. Ensuring data was fetched and displayed without delays.

b. Resolved by optimizing API calls and implementing loading states.

2. UI Consistency:

a. Maintaining a cohesive design across all pages.

b. Addressed by using a design system and reusable components.

3. Functionality Conflicts:

a. Issues like duplicate wishlist items and cart updates.

b. 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://marketplace-hakathone-yuea.vercel.app/]