Day 04: Building Dynamic FrontendComponents For Marketplace

On Day 4 of the project, significant progress was made in developing dynamic frontend components for the Nike e-commerce marketplace. Key milestones included the creation of a Product Listing Page, a dynamic Product Detail Page that adapts to individual product data, and a fully functional Cart Page. Additionally, a responsive Search Bar with real-time suggestions was integrated to enhance user navigation. The platform is now dynamically connected, providing a smooth, scalable, and user-friendly experience, with dynamic data fetching in place to ensure flexibility as the site grows.

Components to Build:

Product listing Component:

Code Snippets:

Output Snippet:

Men's Shoes
Nike Air Force 1 Mid '07
White

MRP: ₹ 10795

Men's Shoes
Nike Dunk Low Retro SE
Beige

MRP: ₹ 9695

Men's Short-Sleeve Graphic Fitness Top
Nike Dri-FIT UV Hyverse
Teal

MRP: ₹ 2495

Women's Shoes
Nike Waffle One SE
Pink

MRP: ₹ 7895

Men's Shoes
Nike Court Vision Low Next Nature
Black

MRP: ₹ 4995

Men's Shoes
Nike Air Force 1 React
White

MRP: ₹ 13295

Product Detail Page:

Code Snippets:

```tsx
'use client';

import { Button } from '@/components/ui/button';
import Image from 'next/image';
import { useCart } from '@/contexts/CartContext';
import { useState } from 'react';

interface Product {
  _id: string;
  productName: string;
  category: string;
  price: string;
  colors: string[];
  imageUrl: string;
  description: string;
}

const ProductClient = ({ product }: { product: Product }) => {
  const { addToCart } = useCart();
  const [notification, setNotification] = useState<string>('');

  const handleAddToCart = () => {
    const cartItem = {
      id: product._id,
      productName: product.productName,
      price: product.price,
      image: product.imageUrl,
      quantity: 1,
    };
    addToCart(cartItem);
    setNotification(`${product.productName} added to cart
    successfully!`); // Set notification
    setTimeout(() => setNotification(''), 3000);
  };
```

```tsx
  return (
    <div className='grid grid-cols-12 px-8 md:px-20 my-16 md:my-16
    gap-6'>
      <div className='col-span-12 md:col-span-6'>
        {product.imageUrl ? (
          <Image
            src={product.imageUrl}
            alt={product.productName}
            width={500}
            height={500}
          />
        ) : (
          <div className='w-full h-full bg-gray-300 rounded-md flex
          items-center justify-center text-gray-600'>
            No Image Available
          </div>
        )}
      </div>
      <div className='col-span-12 md:col-span-6 pr-18 pt-10 md:pt-0'>
        <h1 className='text-3xl font-bold'>{product.productName}</h1>
        <p className='py-10 text-lg'>{product.description}</p>
        <h2 className="text-2xl focus-visible:outline-none mb-4">
          <span className="font-bold">Price:</span> &#8377; {product.
          price}
        </h2>
        {product.colors && (
          <div className="mb-4">
            <div className="flex items-center gap-4">
              <h2 className="text-black">Available Colors:</h2>
              <div className="flex gap-2">
                {product.colors.map((color, index) => (
                  <span
                    key={index}
```

Output Snippet:

Nike Air Force 1 Mid '07

The Nike Air Force 1 Mid '07 delivers timeless style with premium leather and mid-cut design. Perfect for everyday wear, it provides exceptional comfort and durability. The iconic Air-Sole cushioning adds responsive support for long-lasting performance.

Price: ₹ 10795

Available Colors: ◯

Add to cart

Nike Dri-FIT UV Hyverse

The Nike Dri-FIT UV Hyverse graphic top offers comfort and UV protection in style. Made from soft, breathable fabric, this fitness top keeps you cool and dry during workouts or casual outings.
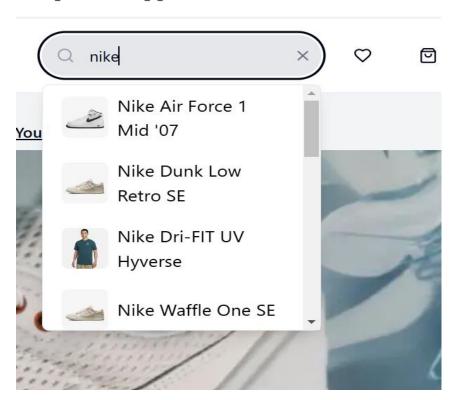
Price: ₹ 2495

Available Colors: ●

Add to cart

Nike Dri-FIT UV Hyverse added to cart successfully!

Search Bar:

Code Snippet:

```tsx
const handleSearch = (event: React.ChangeEvent<HTMLInputElement>)
=> {
  const query = event.target.value.toLowerCase();
  setSearchQuery(query);

  const filtered = products.filter((product) =>
    product.productName.toLowerCase().includes(query)
  );
  setFilteredProducts(filtered);
};

const clearSearch = () => {
  setSearchQuery('');
  setFilteredProducts(products);
};

// Return null during SSR until the component is mounted on the
client
if (!isClient) return null;

return (
  <header className="w-full">
    {/* Top Bar */}
    <div className="bg-gray-100 py-2 px-4 text-xs">
      <div className="container mx-auto flex items-center
      justify-between">
        <Link href="/" className="block">
          <Image
            src="/icons/header-logo.png"
            alt="Jordan"
            width={250}
            height={250}
            className="h-4 w-auto sm:h-6"
```

```tsx
{/* Right: Search and Icons */}
<div className="flex items-center space-x-4">
  {/* Desktop Search Box */}
  <div className="relative hidden lg:block">
    <Search className="absolute left-3 top-1/2 h-4 w-4
    -translate-y-1/2 text-gray-400" />
    <Input
      type="text"
      placeholder="Search products..."
      value={searchQuery}
      onChange={handleSearch}
      className="w-60 pl-10 pr-8 rounded-full bg-gray-200
      text-[14px]"
    />
    {searchQuery && (
      <Button
        variant="ghost"
        size="icon"
        className="absolute right-1 top-1/2 -translate-y-1/
        2 h-6 w-6 hover:bg-gray-300 rounded-full"
        onClick={clearSearch}
        aria-label="Clear search"
      >
        <X className="h-4 w-4 text-gray-500" />
      </Button>
    )}
    {searchQuery && filteredProducts.length > 0 && (
      <div className="absolute left-0 bg-white w-full
      border border-gray-200 rounded-md shadow-lg mt-2
      z-10">
        <ul className="max-h-60 overflow-y-auto">
          {filteredProducts.map((product: any) => (
            <li
```

Output Snippet:

Checkout:

Code Snippet:

```tsx
'use client'

import { useCart } from "@/contexts/CartContext";
import { useState } from "react";
import Image from 'next/image';

const Checkout = () => {
  const [pan, setPan] = useState("");
  const [isChecked, setIsChecked] = useState(false);
  const { cart } = useCart();

  const subtotal = cart.reduce(
    (acc, item) => acc + Number(item.price) * item.quantity,
    0
  );

  // Set the delivery fee to 0 (free) without condition
  const deliveryFee = 0;
  const total = subtotal + deliveryFee;

  return (
    <div className="container mx-auto px-[100px] py--6">
      <div className="flex flex-col lg:flex-row justify-between
lg:gap-[120px] max-w-[1380px] mx-auto">
        {/* Left Section */}
        <div className="w-full lg:w-[430px] flex-shrink-0 mb-8
lg:mb-0">
          {/* Order Details */}
          <div className="mb-8">
            <h2 className="text-lg font-bold mb-5">
              How would you like to get your order?
            </h2>
            <p className="text-medium mb-5">
              Customs regulation for India requires a copy of the
```

```tsx
        <p className="text-medium mb-5">
          Customs regulation for India requires a copy of the
          recipient&apos;s
          KYC. The address on the KYC needs to match the
          shipping address.
          Our courier will contact you via SMS/email to obtain a
          copy of
          your KYC. The KYC will be stored securely and used
          solely for the
          purpose of clearing customs (including sharing it with
          customs
          officials) for all orders and returns. If your KYC
          does not match
          your shipping address, please click the link for more
          information.{" "}
          <a href="#" className="text-blue-600 underline">
            Learn More
          </a>
        </p>
        <input
          type="text"
          placeholder="Deliver it"
          className="w-full h-[55px] px-4 border border-gray-300
          rounded-md"
        />
      </div>

      {/* Address Form */}
      <div className="mb-8">
        <h2 className="text-lg font-medium mb-5">
          Enter your name and address:
        </h2>
        <form className="space-y-4">
```
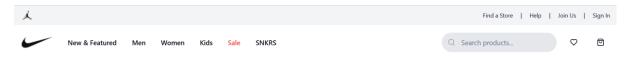
Output Snippet:

Header:

Code Snippet:

```tsx
'use client';

import React, { useEffect, useState } from 'react';
import Link from 'next/link';
import Image from 'next/image';
import { Search, Heart, ShoppingBag, Menu, X } from 'lucide-react';
import { Button } from '@/components/ui/button';
import { Sheet, SheetContent, SheetHeader, SheetTitle, SheetTrigger } from '@/components/ui/sheet';
import Input from '@/components/ui/input';
import { client } from '@/sanity/lib/client';

const navItems = [
  { href: '/all-products', label: 'New & Featured' },
  { href: '#', label: 'Men' },
  { href: '#', label: 'Women' },
  { href: '#', label: 'Kids' },
  { href: '#', label: 'Sale', className: 'text-red-500 font-bold' },
  { href: '#', label: 'SNKRS' },
];

export function SiteHeader() {
  const [searchQuery, setSearchQuery] = useState('');
  const [products, setProducts] = useState<any[]>([]);
  const [filteredProducts
```

```tsx
<header className="w-full">
  {/* Top Bar */}
  <div className="bg-gray-100 py-2 px-4 text-xs">
    <div className="container mx-auto flex items-center justify-between">
      <Link href="/" className="block">
        <Image
          src="/icons/header-logo.png"
          alt="Jordan"
          width={250}
          height={250}
          className="h-4 w-auto sm:h-6"
        />
      </Link>
      <nav className="flex items-center space-x-2 sm:space-x-4">
        <Link href="#" className="hidden sm:inline hover:underline">
          Find a Store
        </Link>
        <span className="hidden sm:inline">|</span>
        <Link href="/contact-us" className="hover:underline">
          Help
        </Link>
        <span className="hidden sm:inline">|</span>
```

```tsx
{/* Main Header */}
<div className="border-b py-4">
  <div className="container mx-auto flex items-center justify-between px-4">
    {/* Left: Logo and Navigation */}
    <div className="flex items-center space-x-8">
      <Link href="/" className="block">
        <Image
          src="/icons/nike-logo.png"
          alt="Nike"
          width={50}
          height={24}
          className="h-6 w-auto"
        />
      </Link>
      <nav className="hidden lg:flex items-center space-x-8">
        {navItems.map((item) => (
          <Link
            key={item.label}
            href={item.href}
            className={`text-sm font-medium hover:text-gray-600 transition duration-200 ease-in-out ${item.className || ''}`}
          >
```

Output Snippet:

Footer:

Code Snippet:

```tsx
import Link from "next/link";
import Image from "next/image";
import twitterIcon from "../../public/icons/twitter.png";
import facebookIcon from "../../public/icons/facebook.png";
import youtubeIcon from "../../public/icons/youtube.png";
import instagramIcon from "../../public/icons/instagram.png";
import location from "../../public/icons/location.png";

const Footer = () => {
    return (
        <footer className="bg-black text-white py-8 px-6">
            <div className="grid grid-cols-1 md:grid-cols-2
            lg:grid-cols-4 gap-8">
                {/* Column 1: Find a Store */}
                <div>
                    <h3 className="text-sm font-semibold mb-4">FIND
                    A STORE</h3>
                    <ul className="space-y-2 text-sm">
                        <li><Link href="#"
                        className="hover:underline">Become Link
                        Member</Link></li>
                        <li><Link href="#"
                        className="hover:underline">Sign Up for
                        Email</Link></li>
                        <li><Link href="#"
                        className="hover:underline">Send Us a
                        Feedback</Link></li>
                        <li><Link href="#"
                        className="hover:underline">Student
                        Discounts</Link></li>
                    </ul>
                </div>

                {/* Column 2: Get Help */}
```

```tsx
                <div>
                    <h3 className="text-sm font-semibold mb-4">GET
                    HELP</h3>
                    <ul className="space-y-2 text-sm">
                        <li><Link href="#"
                        className="hover:underline">Order Status</
                        Link></li>
                        <li><Link href="#"
                        className="hover:underline">Delivery</Link></
                        li>
                        <li><Link href="#"
                        className="hover:underline">Returns</Link></
                        li>
                        <li><Link href="#"
                        className="hover:underline">Payment Options</
                        Link></li>
                        <li><Link href="#"
                        className="hover:underline">Contact Us on
                        Nike.com</Link></li>
                        <li><Link href="#"
                        className="hover:underline">Contact Us on
                        All Other Inquiries</Link></li>
                    </ul>
                </div>

                {/* Column 3: About Nike */}
                <div>
                    <h3 className="text-sm font-semibold mb-4">ABOUT
                    NIKE</h3>
                    <ul className="space-y-2 text-sm">
                        <li><Link href="#"
                        className="hover:underline">News</Link></li>
                        <li><Link href="#"
                        className="hover:underline">Careers</Link></
```

Output Snippet:

FIND A STORE

Become Link Member
Sign Up for Email
Send Us a Feedback
Student Discounts

GET HELP

Order Status
Delivery
Returns
Payment Options
Contact Us on Nike.com
Contact Us on All Other Inquiries

ABOUT NIKE

News
Careers
Investors
Sustainability

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