

DAY 4 - BUILDING DYNAMIC FRONTEND COMPONENTS FOR GENERAL E-COMMERCE OF DRESSES

Today, I focused on building one of the most important parts of my web—the Product Listing Component. This is where all products are displayed dynamically, making it easy for users to browse and find what they're looking for.

WHAT THIS COMPONENT DOES

The Product Listing Component is designed to fetch and render product data in a **clean, grid-based layout**. Each product card includes:

- ✓ **Product Name** – So users know what they're looking at.
- ✓ **Price** – Because pricing is key for any marketplace.
- ✓ **Image** – A good visual makes all the difference.
- ✓ **description** – a detail paragraph which contain all information about of product

How I Built It

Since I'm using **Next.js 15**, I make sure the component loads data dynamically from **Sanity**. The layout is styled using **Tailwind CSS**, keeping it responsive and visually appealing. Each product appears as a **card**, making the UI clean and user-friendly.

PRODUCT DETAIL COMPONENT

For the **Product Detail Component**, I set up **dynamic routing** in **Next.js 15** to generate individual product pages. Each page includes:

- **Product Description** – Gives users a clear idea of the item.
- **Price** – Displayed prominently.
- **Available Sizes or Colors** – So users can choose their preferences.

With **Sanity** handling the backend and **Tailwind CSS** for styling, the page loads dynamically based on the product ID.



SEARCH BAR COMPONENT

I added a **Search Bar** to make finding products easier. It filters products dynamically based on **name or tags**, updating results instantly as users type.

- ✓ **Real-time filtering** for a smooth experience.
- ✓ **Matches product names & tags** for better accuracy.
- ✓ **Searched product gets details from sanity.**

This makes navigation quicker, helping users find what they need effortlessly

CART COMPONENT

The cart component displays **added items, quantity, and total price**. It uses **state management** to track cart items and update them dynamically. It Drag user to the signup page if user tried to checkout without signin.

CHECKOUT COMPONENT

The user profile displays **name, email, and saved addresses**, with the option of cash on delivery and direct bank transfer.

FOOTER AND HEADER COMPONENTS

Header Features:

- Search bar for quick product lookup.
- User profile icon with different views for signed-in and signed-out users.
- Responsive for mobiles in which linked pages hide in icon.



Footer Features:

- Links to essential platforms of designer
- Fully responsive and accessible across devices.

