

# **Day 4 - Dynamic Frontend Components Implementation Report**

## **General E-Commerce**

### **1. Objective:**

The objective of this implementation was to develop dynamic frontend components for a marketplace using Sanity CMS or APIs. The components were built to be modular, reusable, and responsive, ensuring scalability and a professional user experience.

### **2. Implemented Components**

#### **Product Listing Component**

- Dynamically renders products in a grid layout.
- Displays Product Name, Price, Image, and Stock Status.
- Designed using responsive UI techniques.

#### **Product Detail Component**

- Uses dynamic routing for individual product pages.
- Displays Product Description, Price, Available Sizes/Colors.
- Fetches product data dynamically from Sanity CMS/API.

## Category Component

- Categories are fetched dynamically from the API or CMS.
- Users can filter products by category selection.

## Search Bar

- Filters products by product name (tags-based filtering can be added for improvement).
- Provides real-time filtering experience.

## Cart Component

- Displays added products, quantity, and total price.
- Uses state management (useState, useContext) to track cart items.

## Pagination Component

- Divides large product lists into multiple pages.
- Implements previous/next buttons or numbered pagination.

## Related Products Component

- Fetches related products based on categories.
- Displays similar products dynamically on the Product Detail Page.


## Header & Footer Components

- Provides consistent navigation across the marketplace.
- Includes essential links like Home, About, Contact.


## Notifications Component

- Toast notifications used for real-time alerts (e.g., adding to cart, errors, or successful purchases).
- Ensures better user interaction.


# Product Listing Component




**Gradient Graphic T-shirt**  
★★★★★ 4/5  
**\$145**




**Gray Slim-Fit Jogger Pants**  
★★★★★ 4/5  
**\$170** ~~26~~ 15%

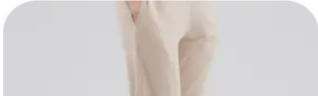



**Sleeve Stripe T-Shirt**  
★★★★★ 4/5  
**\$130** ~~52~~ 40%

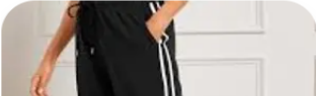


**Vertical Striped Shirt**  
★★★★★ 4/5  
**\$229** ~~115~~ 50%









# Product Detail Component

Home > Tshirt



## Gradient Graphic T-shirt

★★★★★ 4.5/5

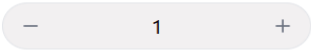
\$145

Add a bold and artistic touch to your wardrobe with this unique graphic t-shirt. Featuring an eye-catching abstract swirl design in vibrant colors, it exudes energy and individuality. The "Just Walk Forward" slogan adds a motivational...

Select Colors



Choose Size



# Category Component

Home > Casual

Filters

☐ Short

☐ Tshirt

☐ Hoodie

☐ Jeans

☐ Shirt


Price

Color

Size


Casual

Showing 1-10 of 0 Products Sort By: Select



LOOSE FIT BERMUDA SHORTS


★★★★★ 4/5



Black Striped T-Shirt

★★★★★ 4/5

\$120




Classic Black Pullover Hoodie

★★★★★ 4/5

# Related Products Component


## YOU MIGHT ALSO LIKE



Black Striped T-Shirt

★★★★★ 4/5


\$120



Sleeve Stripe T-Shirt

★★★★★ 4/5


\$130 52 40%



COURAGE GRAPHIC T-SHIRT

★★★★★ 4/5

\$145



Gradient Graphic T-shirt

★★★★★ 4/5

\$145