

Day 4 - Dynamic Frontend Components-Clothing!

Overview

Dynamic Frontend Components Overview - E-Commerce Clothing Website

The E-Commerce Clothing Website leverages dynamic frontend components to enhance user experience and provide an efficient, responsive, and interactive shopping experience. These dynamic components work in tandem to ensure smooth navigation, seamless browsing, and instant updates as users interact with the site. Below is an overview of the dynamic frontend components that play a key role in the clothing website:

Key Functionalities

Interactive Product Search Bar

- **Functionality:** The search bar is a dynamic component that allows users to instantly find products by entering keywords, product types, sizes, or brands.
- **Features:**
 - **Auto-suggestions:** As users type, relevant product suggestions are displayed in real-time.
 - **Real-time Filtering:** Search results dynamically update without the need to reload the page, improving the user experience.

Implementation Details:

- The search query is processed on the client-side using JavaScript and dynamically filtered through the fetched product data.
- Suggestions or filtered results are displayed in a dropdown or a dedicated search results page.



Vertical Striped Shirt

★★★★★ 5.0/5

\$186 ~~\$232~~ -20%

Courage Graphic T-shirt

★★★★☆ 4.0/5

\$145



Loose Fit Bermuda Shorts

★★★★☆ 3.0/5

\$80

Activate Windows
Go to Settings to activate Windows.

2. Dynamic Routing for Product Detail Pages:


Each product on the website has a dedicated detail page accessible via dynamic routing. This functionality provides users with comprehensive information about individual food items.

Key Features:

- **Dynamic URLs:** URLs are generated dynamically using product IDs or slugs for SEO-friendly routing.
- **Product Details:** Information displayed includes:
 - Product name
 - Description
 - Price
 - Available sizes or portions
 - images
 - Stock status

Implementation Details:

- Built using Next.js dynamic routing to generate pages at runtime
- Data for individual products is fetched from a headless CMS (e.g., Sanity) or an API.



Size:S


Color:green

\$1500

—

1

+



Size:S

Color:green

\$3000

—

2

+

Order Summary

Subtotal

\$4500

Discount (~20%)

-\$0

Delivery Fee

\$0

Total

\$4500

Add promo code

Apply

Go to Checkout

Conclusion

The E-Commerce Clothing website's functionalities are designed to provide a seamless, user-friendly experience. By integrating features such as a search bar, dynamic product pages, add-to-cart functionality, and category filters, the platform ensures efficiency and scalability. Future enhancements could include advanced filtering options, wishlist functionality, and personalized recommendations to further enhance the shopping experience.

Final CheckList

Frontend	Styling and	Code Quality	Documentation and	Final Review
Component	Responsiveness		Submission	
Development				
✓	✓	✓	✓	✓