
BUILDING DYNAMIC FRONTEND COMPONENTS

Introduction

In my project, I had implemented two dynamic components, such as **Product Detail Page** and **Category Page**. These make the user interface more interactive because they create content dynamically by choosing a product or category.

1. Product Detail Page

The Product Detail Page displays all the information regarding a specific product with its unique ID, known as `productId`. The page includes the following:

Dynamic Content Rendering:

- Fetching the `productId` from the URL via dynamic routing.
- Fetching the correct product details from a shared context (`MyContext`) for effective state management.

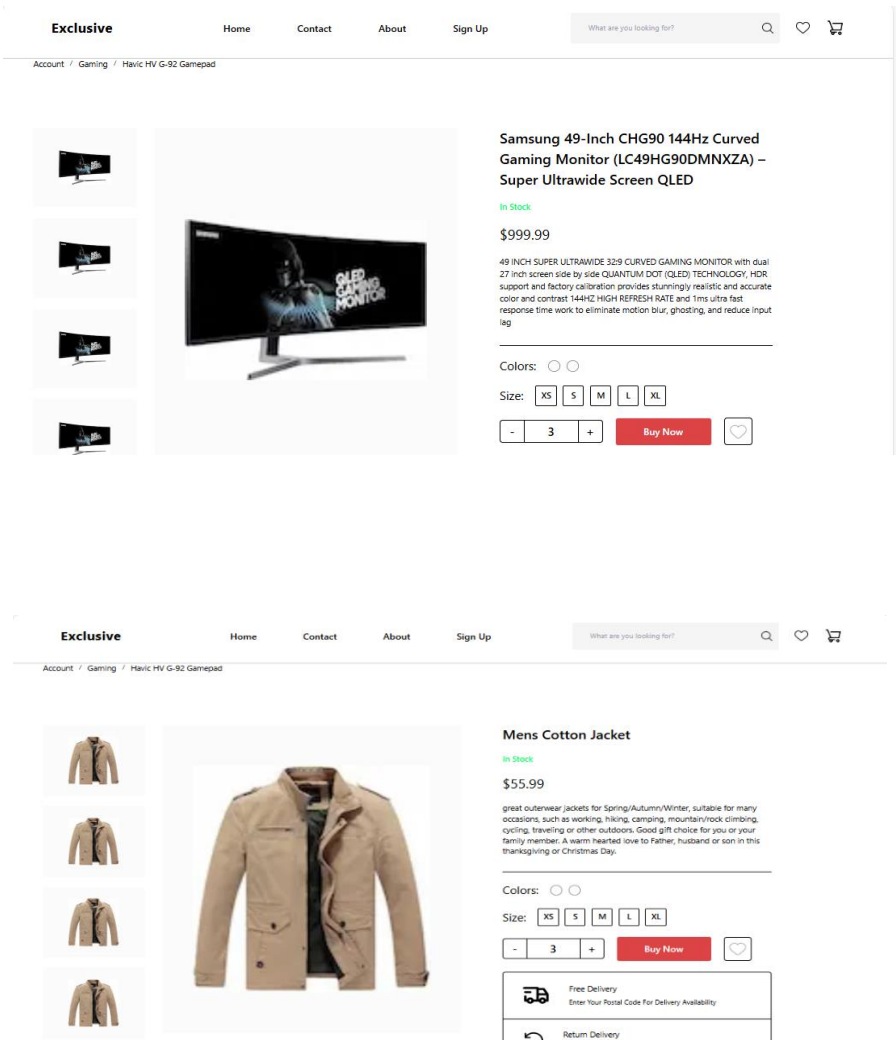
Features on the Page:

- **Product Images:** It will show several images, but the larger image is highlighted. The user gets a detailed view of the product.
- **Product Details:** Product name, price, availability, description, size options, and colors are populated dynamically.
- **User Interaction:**
 1. Increment and decrement buttons for quantity selection.
 2. "Buy Now" and "Add to Wishlist" buttons for easy shopping.

Services Section: Extra information on free shipping and return policies helps users build more trust

Related Items: Related products are displayed in a carousel fashion with real-time discounts and ratings.

Results:



2 Category Page

Category Page dynamically displays the products within a particular category. Here's what it does:

Dynamic Category Filtering:

- It pulls the category from the URL. It will know which products to show.
- It uses the shared context, MyContext, to show the products under the chosen category.

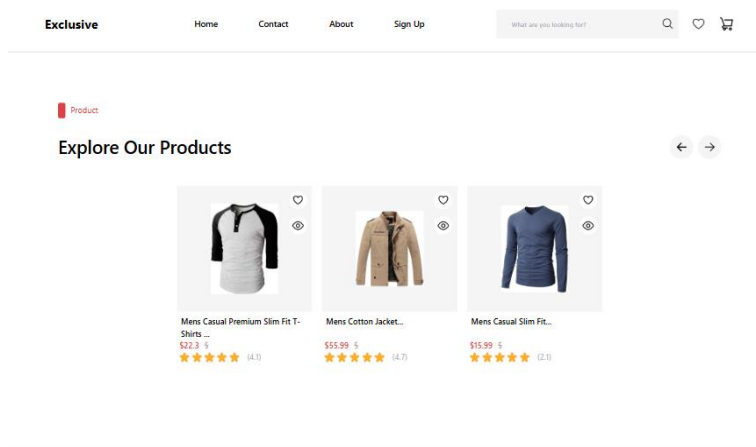
Features on the Page:

Product Display: Uses the reusable ProductCard component for displaying products to keep things consistent and modular.

Fallback for No Data: If the products cannot be found in this category, the page may show a no data fallback to the users.

Results:

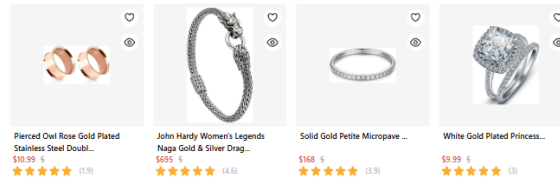
Category Men Clothes :



Category Accessories :

Product

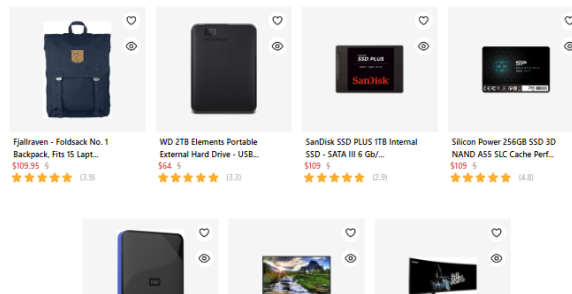
Explore Our Products



Category Electronics :

Product

Explore Our Products



Category Women Clothes :

