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SLOT: FRIDAY MORNING (9AM TO 12PM)

HACKATHON 3 –DAY 4 Dynamic Frontend ComponentsComforty Ecommerce Marketplace

Day-4 documentation overview:

In day-4 we had to make some dynamic components, the components make our work easy, understandable, reusable and maintainable.

In this day we also had to add some basic functionalities, which are required in an Ecommerce marketplace.

The Components I developed:

I have developed the following components and will upgrade and add more later :

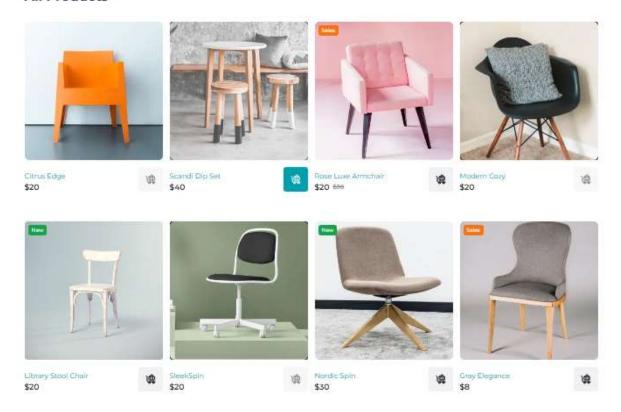
- Hero/ Header Component.
- Footer Component
- Add To Cart Component
- Checkout Component
- Search Bar Component
- Reviews and Ratings Component
- Wishlist Component
- Product Listing Component
- Dynamic Product Detail Component
- Inventory Component
- Shipment /Tracking Component
- Category Component
- Notifications Component
- Multi-Language Support Component
- FAQ component (only UI)
- Advanced Search Component

Functional Deliverable:

Screenshots of Functional deliverables :

Product Listing Page

All Products



Dynamic Product Detail page:



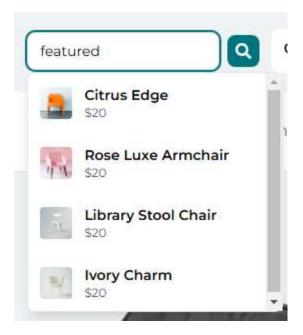


Rose Luxe Armchair



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Advance Search Bar:



Code Deliverables:

Search Bar Component

```
. . .
    export default function Search() {
  const [searchTerm, setSearchTerm] = useState("");
  const [searchTerm, setSearchTerm] = useStatecany(]>[[]);
  const [searchTesults, setSearchTerming] = useState(false);
  const [noResults, setMoResults] = useState(false); // State to track no results
  const [noResults, setMoResults] = useState(false); // State to track no results
  const router = useRouter();
           setIsSearching(true);
setNoResults(false); // Reset no results state
try {
const response = awalt fetch('/api/search?q-${encodeURIComponent(searchTerm)}');
const data = awalt response.json();
               if (data.length === 0) {
    setNoResults(true); // No matching products found
} else {
    setNoResults(false); // Reset no results state
        const handleKeyPress = (e: React.KeyboardEvent) => {
   if (e.key === "Enter") {
      handleSearch();
   }
       // Redirect to product detail page when a product is selected
const handleProductClick = (slug: string) => {
    router.push'/product/$(slug)^);
    setSearchFerm(**); // Clear the search term
    setSearchResults([]); // Clear the search results
};
         <Input
type='text"
value=(searchTerm)
onChange=((e) => setSearchTerm(e.target.value))
onKeyPress=(handleKeyPress) // Trigger search on "Enter"
placeholder="Search..."
className="W=25 sum=48 px-3 py-2 rounded-lg border border-gray=300 focus:outline-none
cussring-2 focus:ring-customDarkBlue text-sm"
   div
key={product._id}
onClick={() ⇒ handleProductClick(product.slug)} // Redirect to product detail page
className="p-3 hover:bg-gray-100 cursor-pointer"
                                  <div className="flex items-center gap-3">
  <img
    src={product.imageUrl}
    alt={product.title}
    className="w-8 h-8 object-cover rounded"</pre>
```

Product Detail component

Dynamic Product Detail Component:

```
import { client } from "@/sanity/lib/client";
import ProductDetails from "@/components/ProductDetails";
async function getData(slug: string) {
 const query = `*[_type == "products" && slug.current == "${slug}"][0]{
   _id,
title,
    priceWithoutDiscount,
    "image": image.asset->,
    "slug": slug.current,
    price_id,
     name,
     date
 const data = await client.fetch(query);
 return data;
export const dynamic = "force-dynamic";
export default async function ProductDetailPage({
 params: { slug: string };
 const data = await getData(params.slug);
 if (!data) {
   <div className="max-w-screen-2xl mx-auto overflow-x-hidden px-5 sm:px-10 md:px-10 lg:px-28 py-20">
     <ProductDetails product={data} />
```

Best Practices Followed:

- Meaningful Variables
- Meaningful Function Names
- Everything is separated in components to maintain reusability and understandable
- Added comments to make code understandable
- Refactored the code to give it a clean look

Conclusion:

In this day I read the whole document, understand it completely then I separated each code into components, made them reusable, readable and SEO friendly. Then I added some required functionalities and ended here by explaining everything in my document with screenshot proofs.

