

ASRA FURNITURE'S MARKETPLACE E-COMMERCE WEBSITE

Day 4: Dynamic Frontend Components

Components Implemented for the E-Commerce Website:

1. Add to Cart Component

I've implemented an **Add to Cart** feature that allows users to add items like **chairs**, **sofas**, and **tables** to their shopping cart. This component dynamically updates the cart based on user interactions, and the cart state is preserved even when users reload the page.

- **How it works:**
 - When a user clicks the **Add to Cart** button, the product is dynamically added to the cart stored in **localStorage**.
 - The cart updates in real-time, showing the number of items and total price.
 - I used **React state** and **localStorage** to persist the cart items even after page reloads.

2. Wishlist Component

The **Wishlist** component allows users to save products they're interested in purchasing later, such as specific **sofas** or **lighting** fixtures.

- **How it works:**
 - Similar to the **Add to Cart** functionality, when a user clicks the **Add to Wishlist** button, the product gets saved to their wishlist, which is also stored in **localStorage**.
 - Users can easily add/remove items from their wishlist, and it is preserved even after they reload the page.

3. Dynamic Product Detail Pages

I have created **dynamic product detail pages** for each furniture item, which provide users with more in-depth information such as **images**, **price**, **description**, and **product specifications**.

- **How it works:**
 - Each product is uniquely routed based on its **slug** (e.g., /product/sofa-1), and the product details are fetched dynamically from **Sanity CMS**.
 - This ensures that when a user clicks on a product, they are directed to its unique page with real-time data pulled from **Sanity**.

4. Product Filters and Sorting

I've also implemented **product filters** and **sorting** options to enhance the product browsing experience for users. Filters allow users to narrow down their search by categories like **Sofas**, **Tables**, or **Chairs**, while sorting options help them sort products by **price** or **popularity**.

- **How it works:**
 - The filters and sorting options fetch product data from **Sanity CMS**, and the product list updates dynamically based on user selections.
 - I created category filters and sorting dropdowns that call the relevant API endpoints to fetch filtered or sorted product data.

5. Blog Section for Furniture Tips

I've added a **Blog Section** to the site where users can find articles about **furniture care**, **styling tips**, and other useful content. This section is managed through **Sanity CMS**, making it easy to add and update blog posts without needing to touch the code.

- **How it works:**
 - Each blog post is created in **Sanity CMS**, and the blog listing page dynamically fetches and displays blog posts from the CMS.
 - This keeps the content fresh and allows content creators to easily add new articles.

6. State Preservation Across Page Reloads

For a seamless user experience, I've ensured that the **cart** and **wishlist** components persist across page reloads. By saving the cart and wishlist in **localStorage**, users can reload the page and still have their data available.

- **How it works:**
 - The **Add to Cart** and **Wishlist** components save data to **localStorage**. When the page is reloaded, the saved cart and wishlist items are fetched from **localStorage** and displayed correctly.

Final Analysis

These dynamic features—**Add to Cart**, **Wishlist**, **Product Filters**, **Blog**, and **State Preservation**—were all integrated into my **furniture e-commerce website**. I utilized **Sanity CMS** to manage dynamic product content (product details, blog posts, etc.), ensuring a smooth and responsive user experience.

By leveraging **localStorage** for cart and wishlist persistence, and using dynamic routing for product pages, the site becomes highly interactive and user-friendly. This setup also allows for easy updates to products and content via **Sanity CMS**, without requiring code changes.

Self-Validation Checklist:

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

← → ↺

localhost:3000/shop


🔍 ☆ ⬇️ ⋮

Filter 🏠


Showing 1–16 of 32 results

Show 16


Short by Default




Chair Wibe
Rs. 1200
Discount: 10%
A sleek outdoor chair with natural wooden elements and a modern look.




Alpha Table
Rs. 900
Discount: 10%
A sturdy oak chair with a sleek and minimalist design.




Replica Table
Rs. 750
Discount: 10%
Classic wishbone chair with a dark walnut frame and cord seat.




Sleek Modern Table
Rs. 2000
0
A modern chair with a carbon fiber frame and bold red accents.




Liberty Center
Rs. 1100
Discount: 8%
Versatile entertainment chair for modern interiors.



Leisure Sofa Chair Set
Rs. 1800
Discount: 18%
A comfortable set of chairs with soft cushions for relaxation.




Armchair Chair Set
Rs. 850
0
An elegant armchair with plush cushions and a curved design for comfort.



Pink Lounge Chair
Rs. 1600
Discount: 20%
A spacious lounge chair with a quilted back and soft cushioning.

localhost:3000/shop/product-1



Replica Table

Classic wishbone chair with a dark walnut frame and cord seat.

Rs. 750

Select Dimensions: Choose Dimension ▾

Select Material: Choose Material ▾

Select Size: Choose Size ▾

Add to Cart

Log In

Username or email address

Password

Remember me ☐

Submit

[Lost Your Password?](#)

Register

Email address

A link to set a new password will be sent to your email address.

Your personal data will be used to support your experience throughout this website, to manage access to your account, and for other purposes described in our [privacy policy](#).

Register

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1 "use client"
2 import React, { useState, useEffect } from "react";
3 import Image from "next/image";
4 import { FaRegClock, FaCalendarAlt } from "react-icons/fa";
5 import Link from "next/link";
6 import { client } from "@sanity/lib/client";
7
8
9 const query = async () => {
10   const res = await client.fetch(`
11     *[_type == "blog"]{
12       _id,
13       title,
14       description,
15       products[] {
16         image {
17           asset -> {
18             _id,
19             url
20           }
21         },
22         title,
23         readMore,
24         readTime,
25         publishDate
26       },
27       viewAllPost
28     }
29   `);
30   return res;
31 };
32
33 function Blogs() {
```

```
File Edit Selection View Go Run ... hackathon-3 [Administrator]

components > Blogs.tsx > ...
33 function Blogs() {
34
35   const [data, setData] = useState<any>(null);
36
37   useEffect(() => {
38     const fetchData = async () => {
39       const blogData = await query();
40       setData(blogData);
41     };
42
43     fetchData();
44   }, []);
45
46   if (!data) {
47     return <div>Loading...</div>;
48   }
49
50   return (
51     <div className="w-full flex flex-col items-center py-8">
52       /* Heading and paragraph */
53       <h2 className="font-poppins font-medium text-[36px] leading-[54px] text-center text-[#000000] mb-4">
54         Our Blogs
55       </h2>
56
57       <p className="text-center font-poppins font-medium text-[16px] leading-6 text-[#9f9f9f] mb-8">
58         Find a bright idea to suit your taste with our great selection
59       </p>
60
61       /* Products section */
62       <div className="flex w-full flex-wrap justify-center gap-6 mb-8 mt-8 overflow-y-auto md:overflow-y-visible">
63         {data.map((blog: any) =>
64           blog.products.map((product: any, index: number) => {
65             // Product card
66           })
67         )}
68     </div>
59   );
60 }
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