

Hackathon Day-4

Product Listing

```
const ProductCom1 = () => {  
  <div className="grid grid-cols-2 ml-[24px] md:grid md:grid-cols-4 md:gap-[20px] md:ml-[80px]">  
    {products.map((product: Product) => (  
      <div  
        key={product._id}  
        className="product-card-container bg-gray-50 p-4 rounded-md hover:shadow-lg transition-shadow duration-300 ease-in-out"  
      >  
        <Link href={` /product/${product._id}`}>  
          <div className="product-card cursor-pointer">  
            <Image  
              src={product.imageUrl}  
              alt="Product image"  
              height={400}  
              width={400}  
              className="w-[163px] h-[201px] md:h-[375px] md:w-[305px] hover:opacity-90 rounded"  
            />  
            <h2 className="product-name text-xl font-clash">  
              {product.name}  
            </h2>  
            <p className="product-price font-satoshi">  
              ${product.price.toFixed(2)}  
            </p>  
          </div>  
        </Link>  
        <div className="grid grid-cols-1 gap-2 md:flex md:justify-between md:items-center bg-gray-50 max-w-[325px] mt-2 p-2 rounded">  
          <button  
            className="w-[100px] bg-blue-700 h-8 rounded text-white hover:bg-blue-800 flex items-center justify-center hover:sc  
            onClick={(e) => handleAddToCart(e, product)}  
          >  
            Add to cart  
          </button>  
        </div>  
      </div>  
    )  
  )  
}
```



The Poplar suede sofa
\$980.00

Add to cart

Go to cart



Tropical Vibe
\$550.00

Add to cart

Go to cart



Sleek Living
\$300.00

Add to cart

Go to cart



Serene Seat
\$350.00

Add to cart

Go to cart

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Dynamic Products

```
<div className="product-card cursor-pointer flex flex-col md:flex-row gap-5 max-w-[390px] ml-0 md:max-w-[950px] mt-[50px]">
  <Image
    src={product.imageUrl}
    alt={product.name}
    height={500}
    width={550}
    className="rounded-md hover:opacity-95 w-[390px] h-[390px] md:w-[500px] md:h-[500px]"
  />

  <div className="mt-8">
    <h2 className="product-name font-bold text-xl font-clash">
      {product.name}
    </h2>
    <br />
    <p className="text-xl font-satoshi text-gray-700">
      {product.description}
    </p>
    <br />
    <p className="product-price font-semibold font-satoshi">
      ${product.price.toFixed(2)}
    </p>
    <br />
    <ProductActions product={product} />
  </div>
</div>
```

Tropical Vibe

A timeless design, with premium materials features as one of our most popular and iconic pieces. The dandy chair is perfect for any stylish living space with beech legs and lambskin leather upholstery.

\$550.00

Add to cart

Go to cart



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```
const handleSearch = (event: React.ChangeEvent<HTMLInputElement>) => {
  const query = event.target.value.toLowerCase();
  setSearchQuery(query);

  const filtered = products.filter((product) =>
    product.name.toLowerCase().includes(query)
  );
  setFilteredProducts(filtered);
};
```

```
<div className="relative flex">
  <div className="hidden md:block absolute max-w-lg p-4 rounded-lg ml-2">
    <div className="flex items-center border-2 border-gray-300 rounded-md overflow-hidden">
      <input
        type="text"
        placeholder="Search Here"
        value={searchQuery}
        onChange={handleSearch}
        className="py-2 px-4 text-sm placeholder-gray-500 focus:outline-none flex-grow"
      />
      <CgSearch className="h-6 w-6 ml-4 mr-4 text-gray-500" />
    </div>

    {searchQuery && filteredProducts.length > 0 && (
      <div className="absolute hidden md:block bg-white w-[265px] border border-gray-200 z-10 mt-2">
        <ul>
          {filteredProducts.map((product: Product) => (
            <li key={product._id} className="font-satoshi p-2 hover:bg-gray-100">
              <Link
                href={` /product/${product._id}`}
                className="text-black hover:text-blue-600 block"
              >
                {product.name}
              </Link>
            </li>
          ))}
        </ul>
      </div>
    )}
  </div>
```

chai



The Steel Chair

Cloud Haven Chair

The Dandy chair

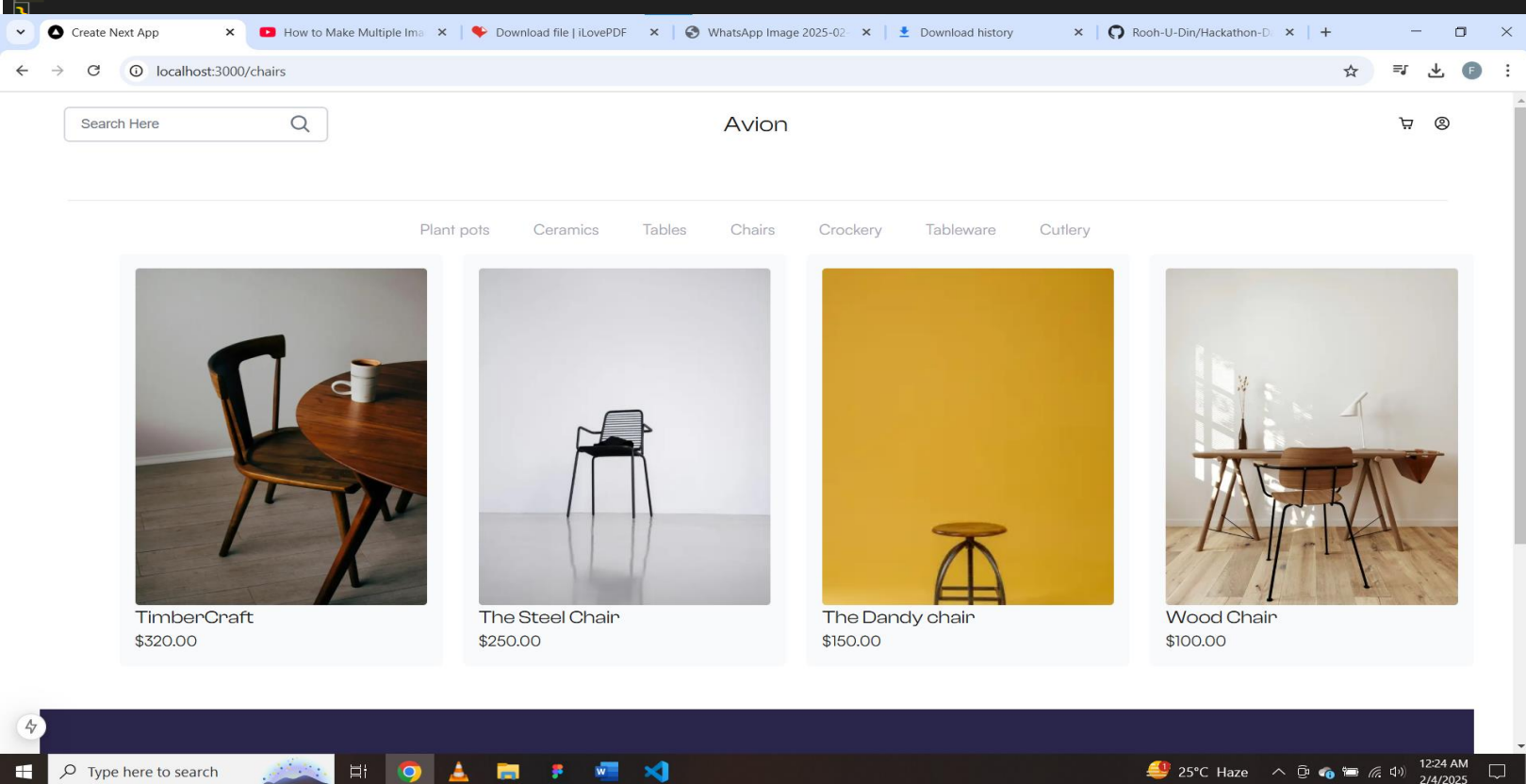
Wood Chair

Search Bar

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Category Products

```
async function getData(category: string): Promise<Product[] | undefined> {  
  
  const query = `*[_type == "product" && lower(category->name) == $category] {  
    _id,  
    name,  
    "imageUrl": image.asset->url,  
    price,  
    category-> { name }  
  }`;  
  
  try {  
    const data = await client.fetch(query, { category: formattedCategory });  
    console.log(`Querying products for "${formattedCategory}":`, data);  
    return data;  
  } catch (error) {  
    console.error("Error fetching products:", error);  
  }  
}  
  
// Define the Product type  
You, 2 days ago | 1 author (You)  
interface Product {  
  _id: string; // You, 2 days ago • updated  
  name: string;  
  imageUrl: string;  
  price: number;  
  category: {  
    name: string;  
  };  
};
```



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Cart

```
"use client";
import Image from "next/image"; 17.5k (gzipped: 6.4k)
import { useEffect, useState } from "react"; 4.3k (gzipped: 1.9k)
import {
  getCartItems,
  removeFromCart,
  updateCartQuantity,
} from "../actions/";
import { useRouter } from "next/navigation";

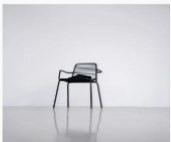
const Cart = () => {
  const [cartItems, setCartItems] = useState<Product[]>([]);

  useEffect(() => {
    setCartItems(getCartItems());
  }, []);

  const handleRemove = (id: string) => {
    if (confirm("Are you sure you want to remove this item?")) {
      removeFromCart(id);
      setCartItems(getCartItems()); // Update state after removal
      alert("Item removed");
    }
  };

  const handleQuantityChange = (id: string, quantity: number) => {
    updateCartQuantity(id, quantity);
    setCartItems(getCartItems());
  };
};
```

(alias) `useState<Product[]>(initialState: Product[] | Dispatch<SetStateAction<Product[]>>)` (+1 overload)
import `useState`
Returns a stateful value, and a function to update it.
@version — 16.8.0
@see — <https://react.dev/reference/react/useState>



The Steel Chair

A timeless design, with premium materials features as one of our most popular and iconic pieces. The dandy chair is perfect for any stylish living space with beech legs and lambskin leather upholstery

Remove

- 1 +

£250

Subtotal

Total:

£669.00

Taxes and shipping are calculated at checkout

Go to checkout

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CheckOut

```
function CheckOut() {
  const [cartItems, setCartItems] = useState<Product[]>([]);
  const [discount, setDiscount] = useState<number>(0);
  const [formValues, setFormValues] = useState({
    firstName: '',
    lastName: '',
    email: '',
    address: '',
    phone: '',
    zipCode: '',
    city: '',
  });
  const [formErrors, setFormErrors] = useState({
    firstName: false,
    lastName: false,
    email: false,
    address: false,
    phone: false,
    zipCode: false,
    city: false,
  });

  useEffect(() => {
    setCartItems(getCartItems());
    const appliedDiscount = localStorage.getItem('discount');
    if (appliedDiscount) {
      setDiscount(Number(appliedDiscount));
    }
  });
}
```

Cart > CheckOut

Order Summary

Product	Quantity	Price
 Marble Ease	1	£419.00
 The Steel Chair	1	£250.00
Subtotal:		£669.00
Discount:		£0.00
Total:		£669.00

Information

First Name <input type="text" value="Enter your first name"/>	Last Name <input type="text" value="Enter your last name"/>
Email <input type="text" value="Enter your email"/>	Address <input type="text" value="Enter your address"/>
City <input type="text" value="Enter your city"/>	zip code <input type="text" value="Enter your zip code"/>
Phone Number <input type="text" value="Enter your number"/>	<input type="button" value="Place Order"/>

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Final CheckList

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