DAY 4 - BUILDING DYNAMIC FRONTEND COMPONENTS FOR YOUR MARKETPLACE

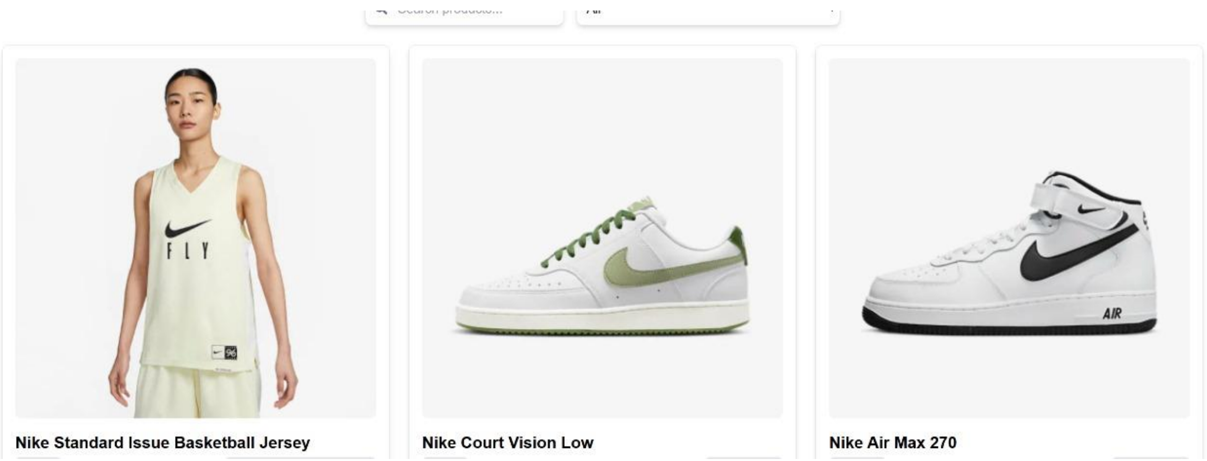
Objective

On Day 4, I focused on adding essential e-Commerce functionalities to the marketplace, including product listing, search functionality, filtering, cart operations, wish list, and checkout process. These features enhance user experience, making the platform more interactive and dynamic.

Key Features Implemented

1. Product Listing

- Designed and developed a dynamic product listing page.
- Products are fetched from **Sanity CMS** and displayed in a grid format.
- Each product card includes:
  - Product Name
  - Price
  - Image



Nike Standard Issue Basketball Jersey

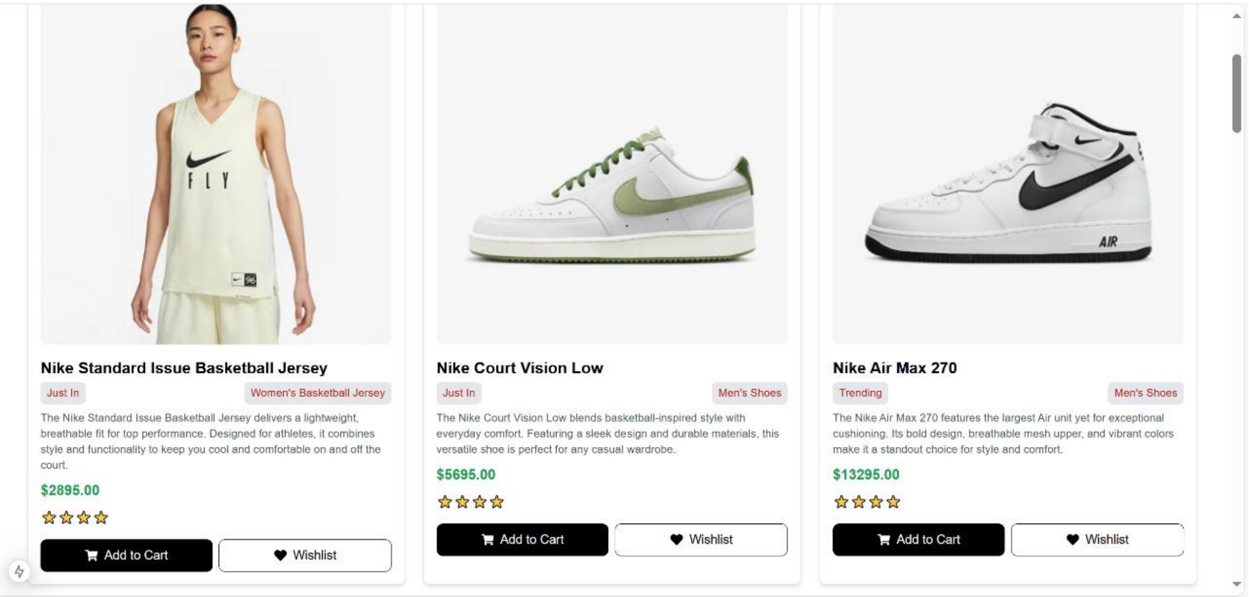
Nike Court Vision Low

Nike Air Max 270

2. Product Detail Page

- Created dynamic product detail pages using **Next.js routing**.
- Each page displays:
  - Detailed description
  - Price
  - Available sizes and colors

  - High-resolution images
  - "Add to Cart" and "Add to Wishlist" buttons
- Integrated **related products** section based on category or tags.



Nike Standard Issue Basketball Jersey

Just In | Women's Basketball Jersey

The Nike Standard Issue Basketball Jersey delivers a lightweight, breathable fit for top performance. Designed for athletes, it combines style and functionality to keep you cool and comfortable on and off the court.

$2895.00

☆☆☆☆

Add to Cart | ♥ Wishlist

Nike Court Vision Low

Just In | Men's Shoes

The Nike Court Vision Low blends basketball-inspired style with everyday comfort. Featuring a sleek design and durable materials, this versatile shoe is perfect for any casual wardrobe.

$5695.00

☆☆☆☆

Add to Cart | ♥ Wishlist

Nike Air Max 270

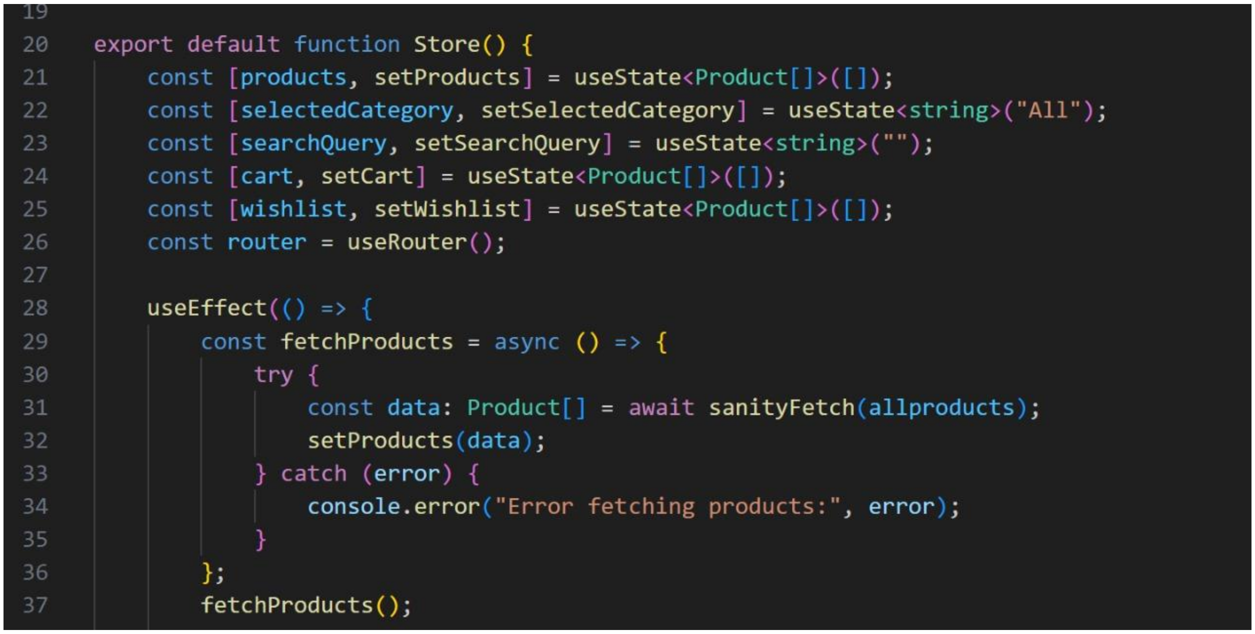
Trending | Men's Shoes

The Nike Air Max 270 features the largest Air unit yet for exceptional cushioning. Its bold design, breathable mesh upper, and vibrant colors make it a standout choice for style and comfort.

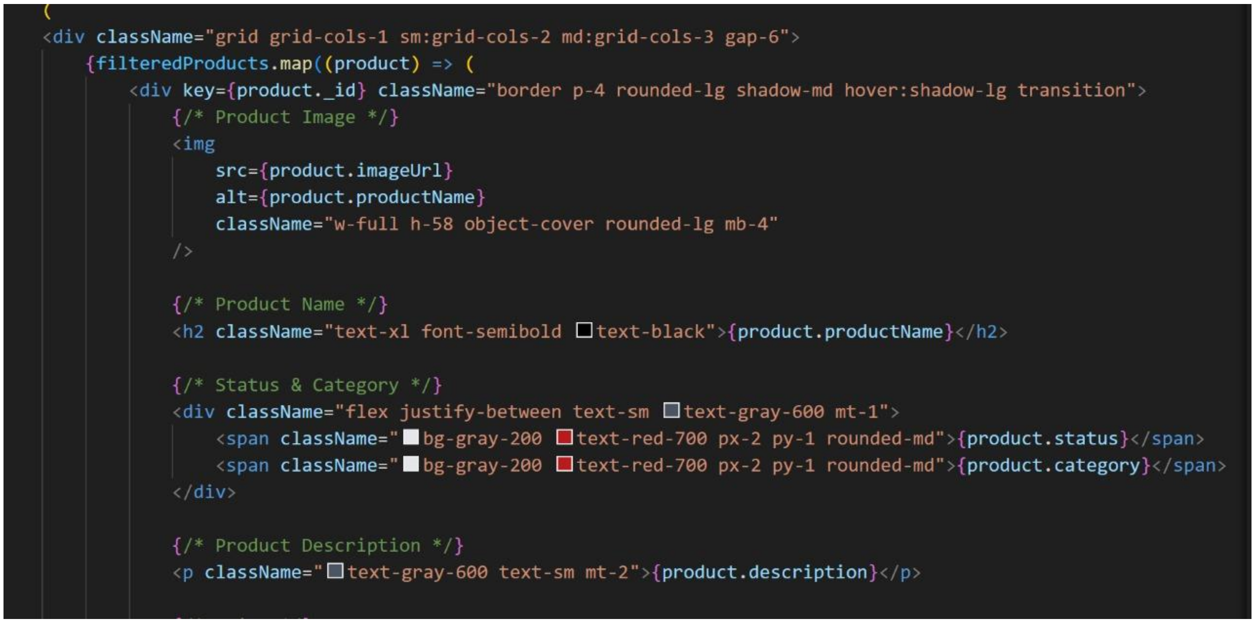
$13295.00

☆☆☆☆

Add to Cart | ♥ Wishlist



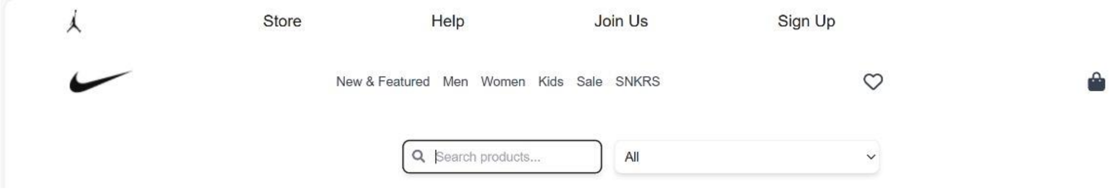
```
export default function Store() {
    const [products, setProducts] = useState<Product[]>([]);
    const [selectedCategory, setSelectedCategory] = useState<string>("All");
    const [searchQuery, setSearchQuery] = useState<string>("");
    const [cart, setCart] = useState<Product[]>([]);
    const [wishlist, setWishlist] = useState<Product[]>([]);
    const router = useRouter();

    useEffect(() => {
        const fetchProducts = async () => {
            try {
                const data: Product[] = await sanityFetch(allproducts);
                setProducts(data);
            } catch (error) {
                console.error("Error fetching products:", error);
            }
        };
        fetchProducts();
```



```
(
<div className="grid grid-cols-1 sm:grid-cols-2 md:grid-cols-3 gap-6">
    {filteredProducts.map((product) => (
        <div key={product._id} className="border p-4 rounded-lg shadow-md hover:shadow-lg transition">
            {/* Product Image */}
            <img
                src={product.imageUrl}
                alt={product.productName}
                className="w-full h-58 object-cover rounded-lg mb-4"
            />

            {/* Product Name */}
            <h2 className="text-xl font-semibold ■text-black">{product.productName}</h2>

            {/* Status & Category */}
            <div className="flex justify-between text-sm ■text-gray-600 mt-1">
                <span className="□bg-gray-200 🟥text-red-700 px-2 py-1 rounded-md">{product.status}</span>
                <span className="□bg-gray-200 🟥text-red-700 px-2 py-1 rounded-md">{product.category}</span>
            </div>

            {/* Product Description */}
            <p className="■text-gray-600 text-sm mt-2">{product.description}</p>
```

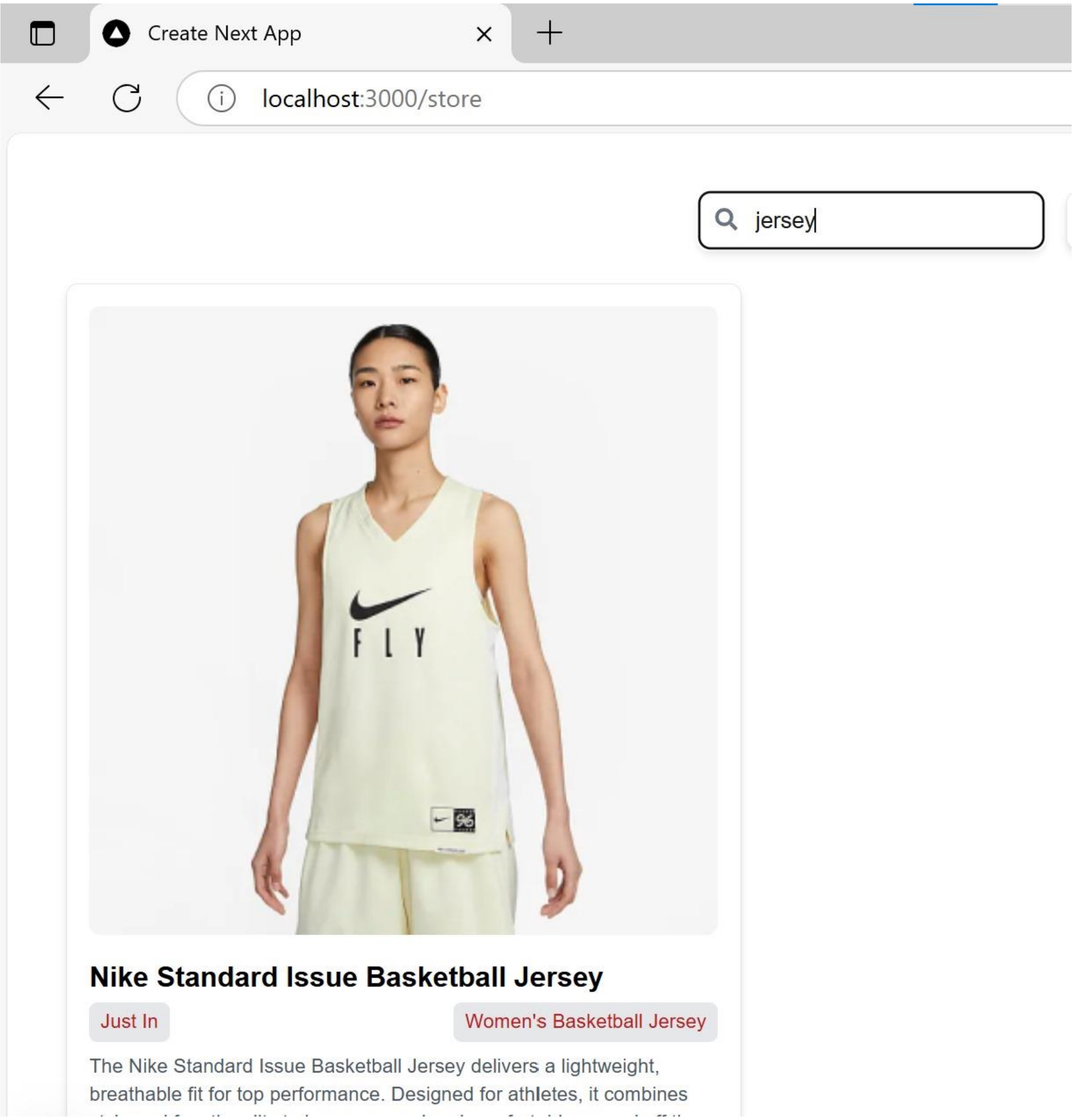
3. Search Bar

- Implemented a **real-time search feature** using input filtering.
- Users can search by **product name, tags, or keywords**.
- Search results update dynamically without page reload.



4. Search Product

- Enhanced search functionality to handle large datasets efficiently.
- Used **denouncing** to improve performance.
- Included **empty state handling** when no results are found.



localhost:3000/store

jersey

Nike Standard Issue Basketball Jersey

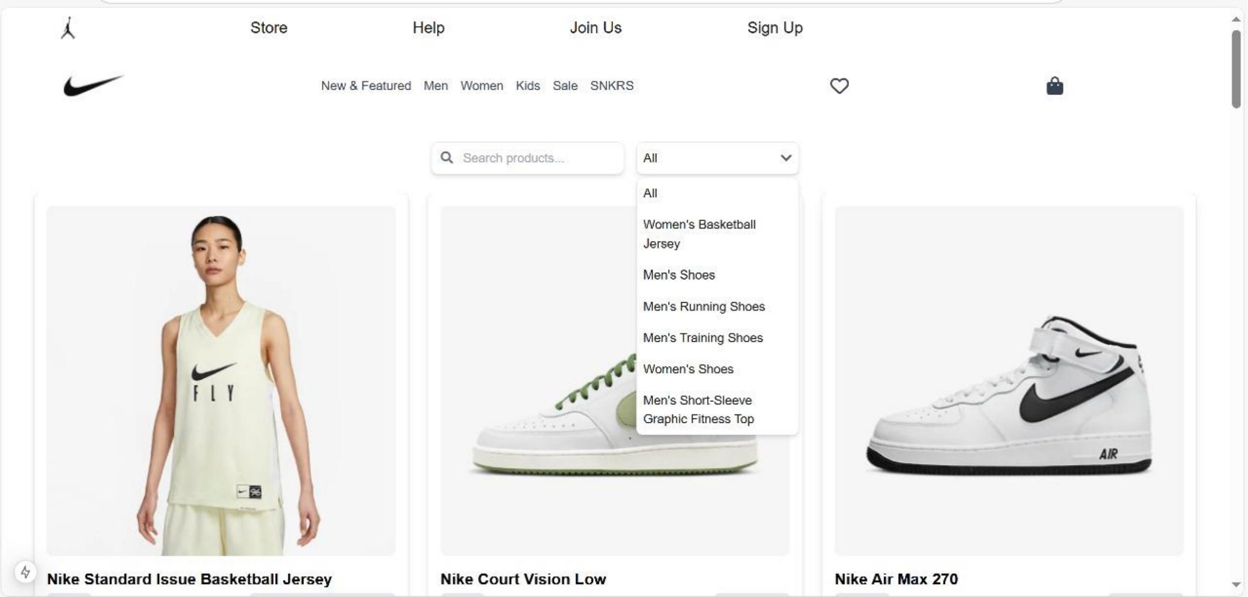
Just In

Women's Basketball Jersey

The Nike Standard Issue Basketball Jersey delivers a lightweight, breathable fit for top performance. Designed for athletes, it combines

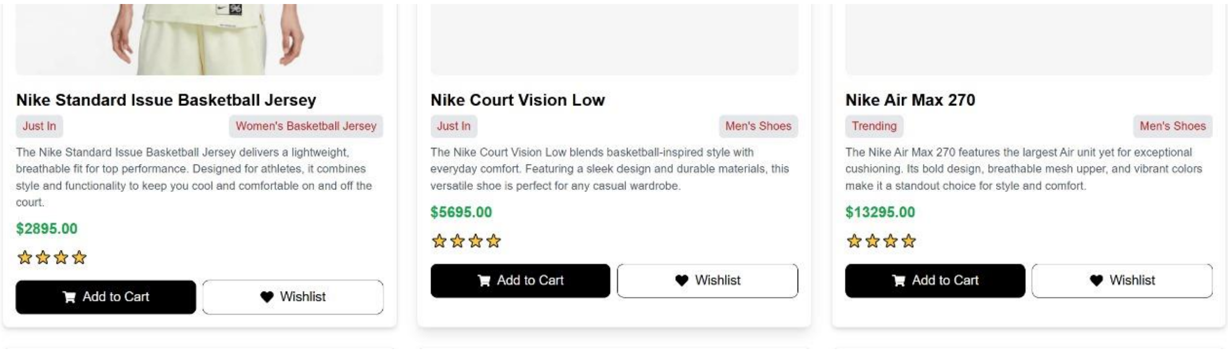
5. Filter by Category

- Added **category-based filtering** on the product listing page.
- Users can refine search results by selecting product categories.
- Filters update results **instantly** without page refresh.



6. Add to Cart & Wishlist

- Implemented **"Add to Cart"** functionality with state management.
- Users can save items in **Wishlist** for later purchase.
- **Local storage or context API** is used to persist cart and wishlist data.



Nike Standard Issue Basketball Jersey

Just In — Women's Basketball Jersey

The Nike Standard Issue Basketball Jersey delivers a lightweight, breathable fit for top performance. Designed for athletes, it combines style and functionality to keep you cool and comfortable on and off the court.

$2895.00

Nike Court Vision Low

Just In — Men's Shoes

The Nike Court Vision Low blends basketball-inspired style with everyday comfort. Featuring a sleek design and durable materials, this versatile shoe is perfect for any casual wardrobe.

$5695.00

Nike Air Max 270

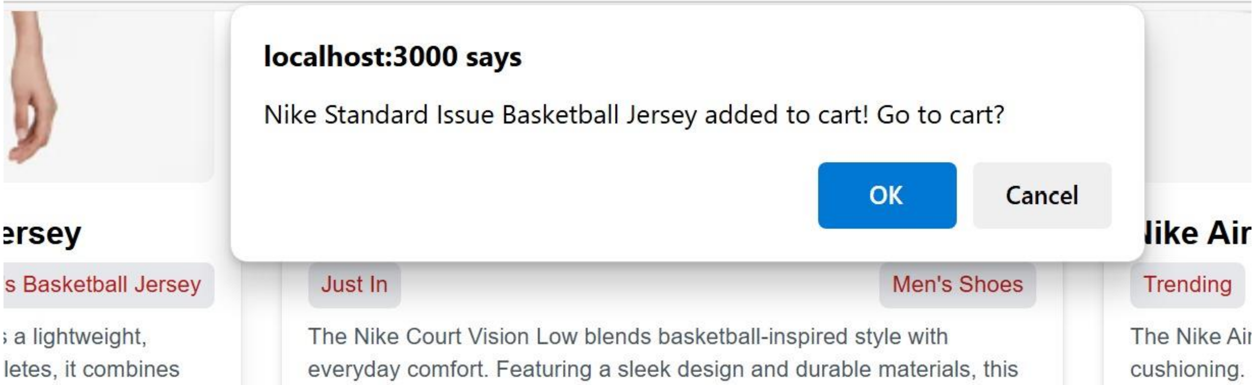
Trending — Men's Shoes

The Nike Air Max 270 features the largest Air unit yet for exceptional cushioning. Its bold design, breathable mesh upper, and vibrant colors make it a standout choice for style and comfort.

$13295.00

7. Cart Notifications

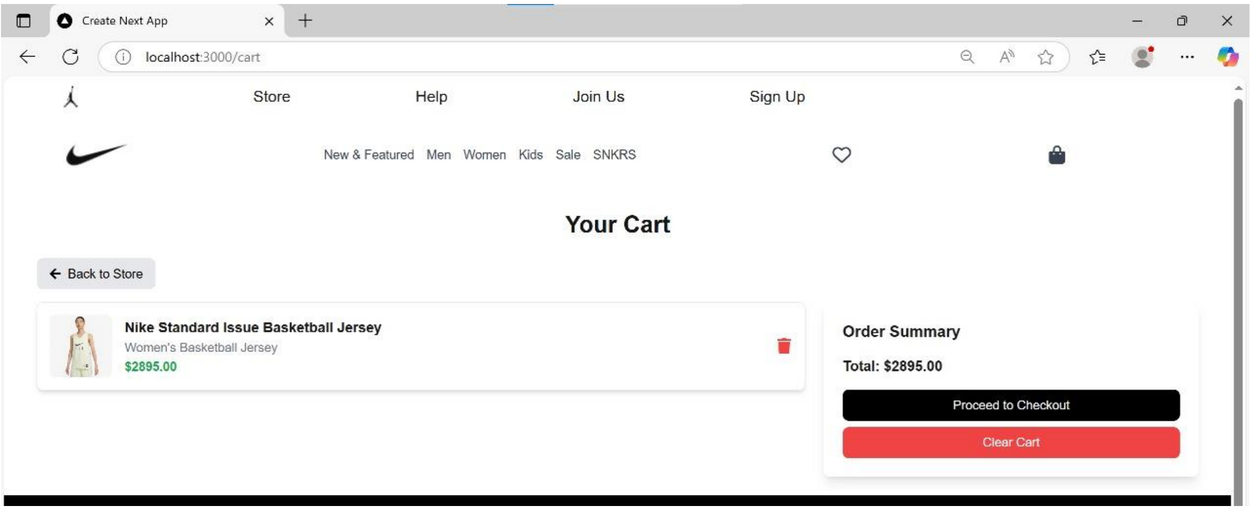
- Added **toast notifications** when a product is added to the cart or wishlist.
- Notifications show **success messages** and product details.
- Implemented an **undo action** for removing items from the cart.



localhost:3000 says

Nike Standard Issue Basketball Jersey added to cart! Go to cart?

OK
Cancel
ersey
s Basketball Jersey
; a lightweight,
letes, it combines
Just In
Men's Shoes
The Nike Court Vision Low blends basketball-inspired style with
everyday comfort. Featuring a sleek design and durable materials, this
Nike Air
Trending
The Nike Ai
cushioning.



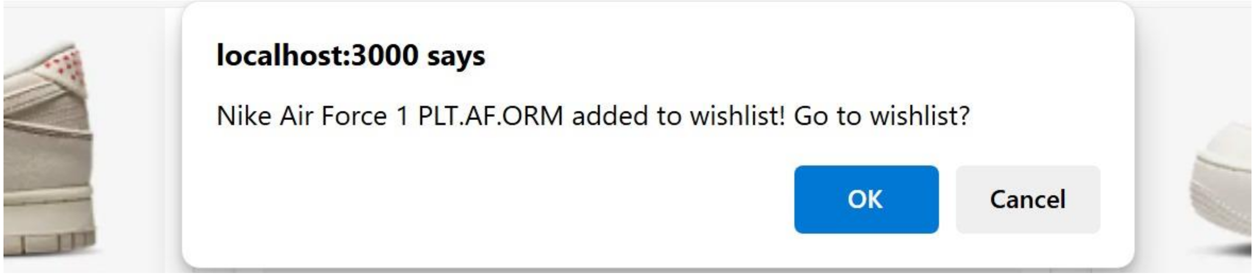
Your Cart

← Back to Store

Nike Standard Issue Basketball Jersey
Women's Basketball Jersey
$2895.00

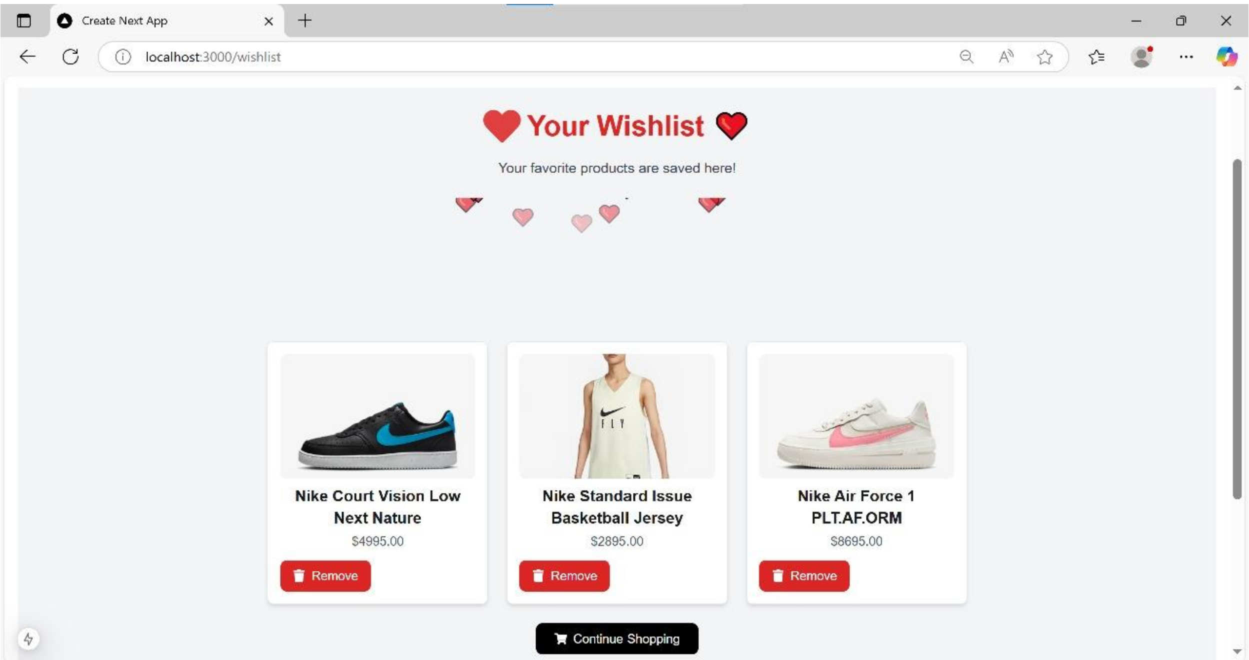
Order Summary

Total: $2895.00



localhost:3000 says

Nike Air Force 1 PLT.AF.ORM added to wishlist! Go to wishlist?



Your Wishlist

Your favorite products are saved here!

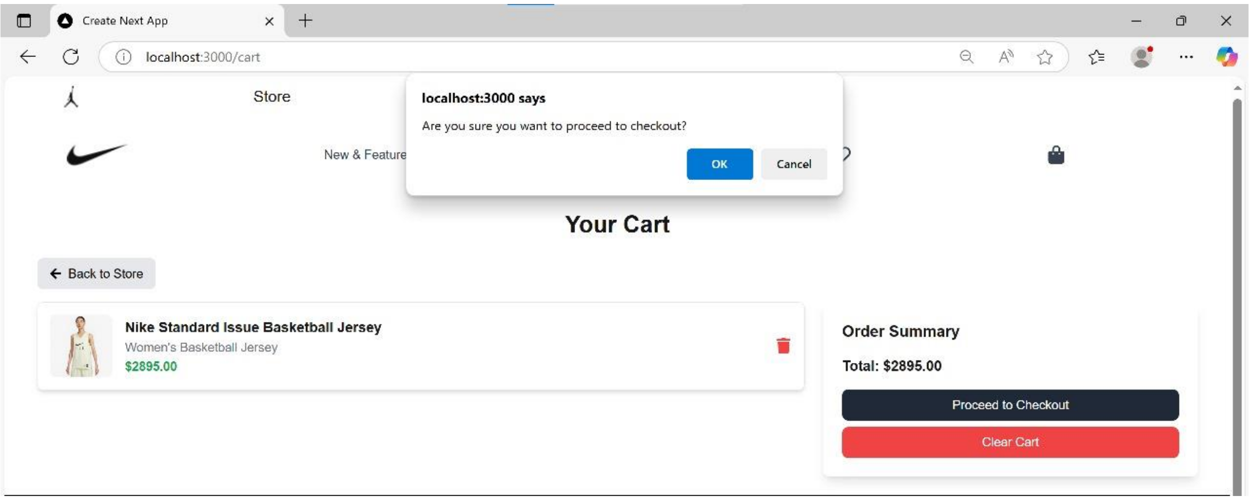
Nike Court Vision Low Next Nature
$4995.00

Nike Standard Issue Basketball Jersey
$2895.00

Nike Air Force 1 PLT.AF.ORM
$8695.00

8. Checkout & Checkout Notifications

- Built a **multi-step checkout process**, including:
  - User details (name, address, phone number)
  - Payment method selection (mock implementation)
  - Order summary and confirmation
- Added **checkout notifications** for:
  - Successful order placement
  - Payment confirmation (mock implementation)
  - Error handling for missing details



localhost:3000 says

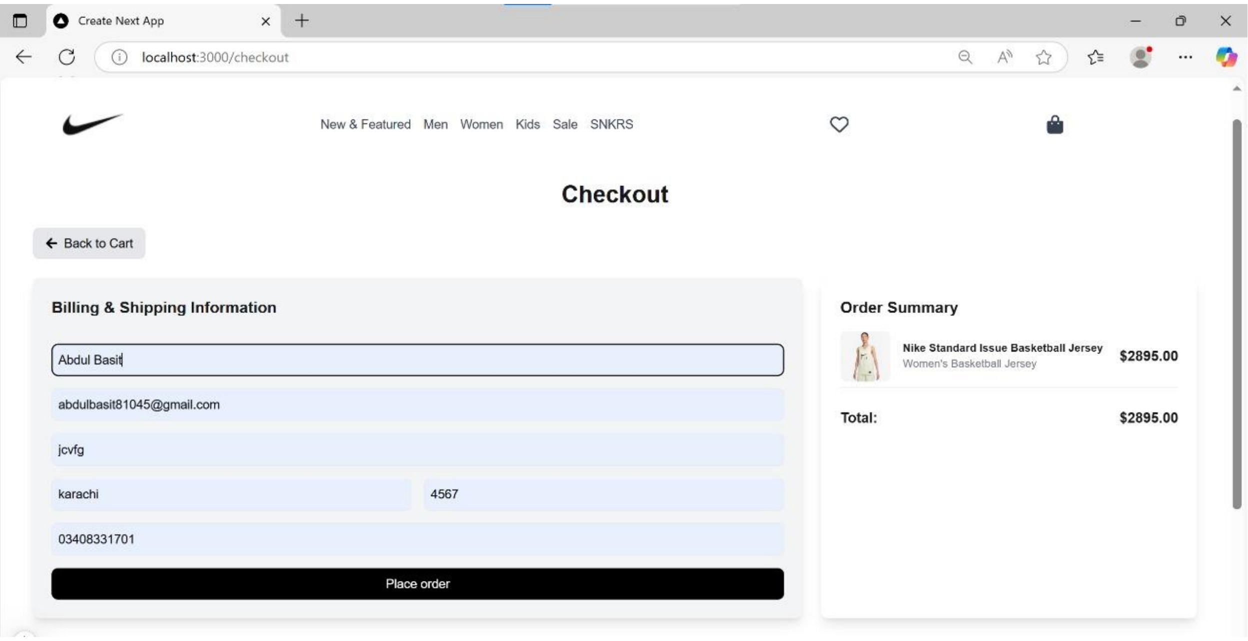
Are you sure you want to proceed to checkout?

Your Cart

Nike Standard Issue Basketball Jersey
Women's Basketball Jersey
$2895.00

Order Summary

Total: $2895.00



Checkout

Billing & Shipping Information

Abdul Basit

abdulbasit81045@gmail.com

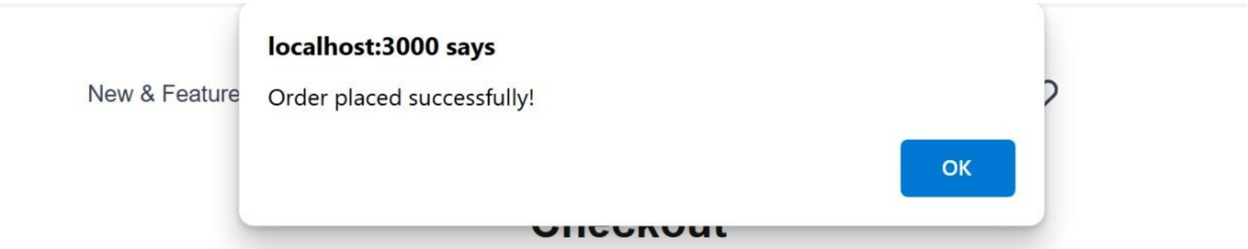
jcvfg

karachi 4567

03408331701

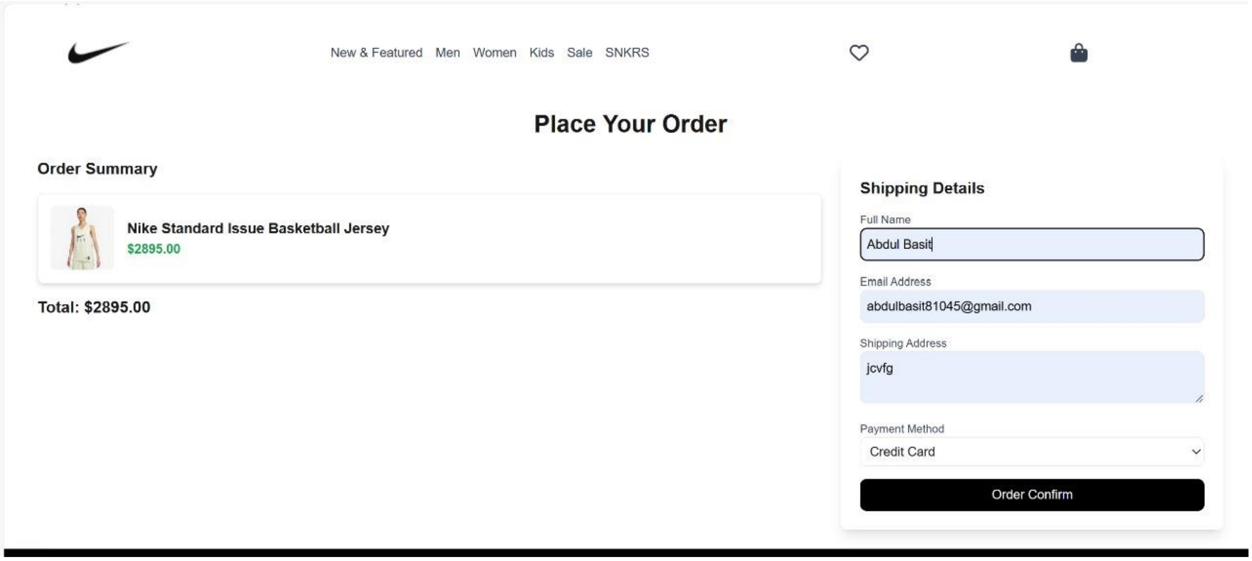
Order Summary

Nike Standard Issue Basketball Jersey Women's Basketball Jersey	$2895.00
Total:	$2895.00



localhost:3000 says

Order placed successfully!



Place Your Order

Order Summary

Nike Standard Issue Basketball Jersey
$2895.00

Total: $2895.00

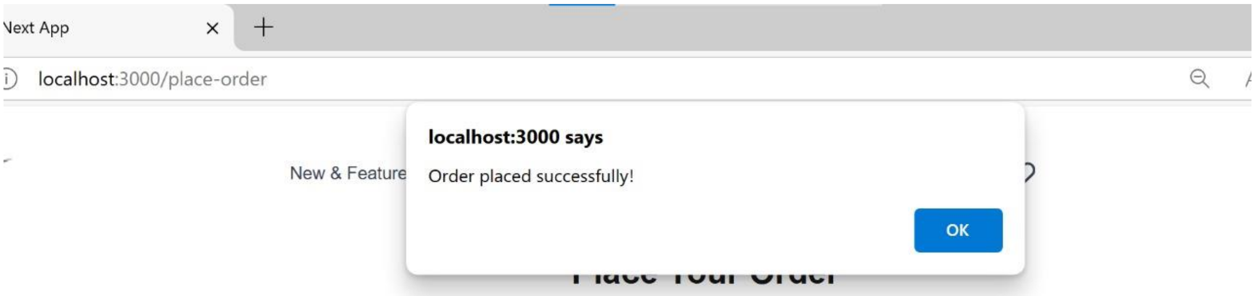
Shipping Details

Full Name: Abdul Basit

Email Address: abdulbasit81045@gmail.com

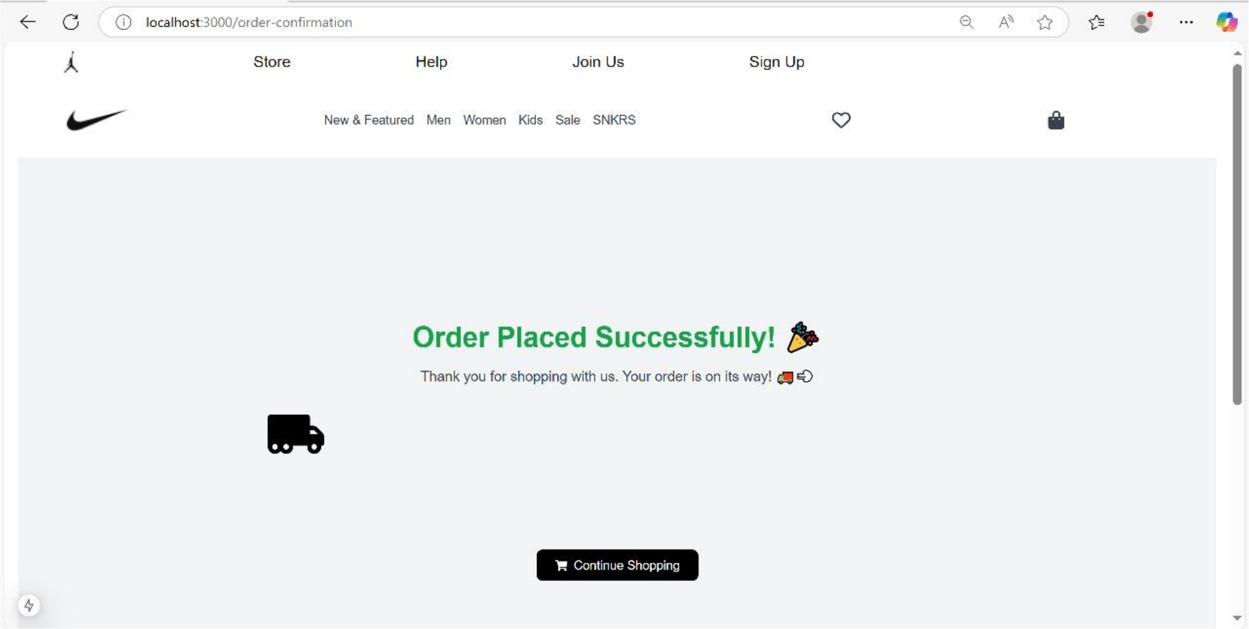
Shipping Address: jcvfg

Payment Method: Credit Card



localhost:3000 says

Order placed successfully!



Order Placed Successfully! 🎉

Thank you for shopping with us. Your order is on its way! 🚚📦