DAY-4 DYNAMIC FRONTENED COMPONENTS FOR YOUR MARKETPLACE
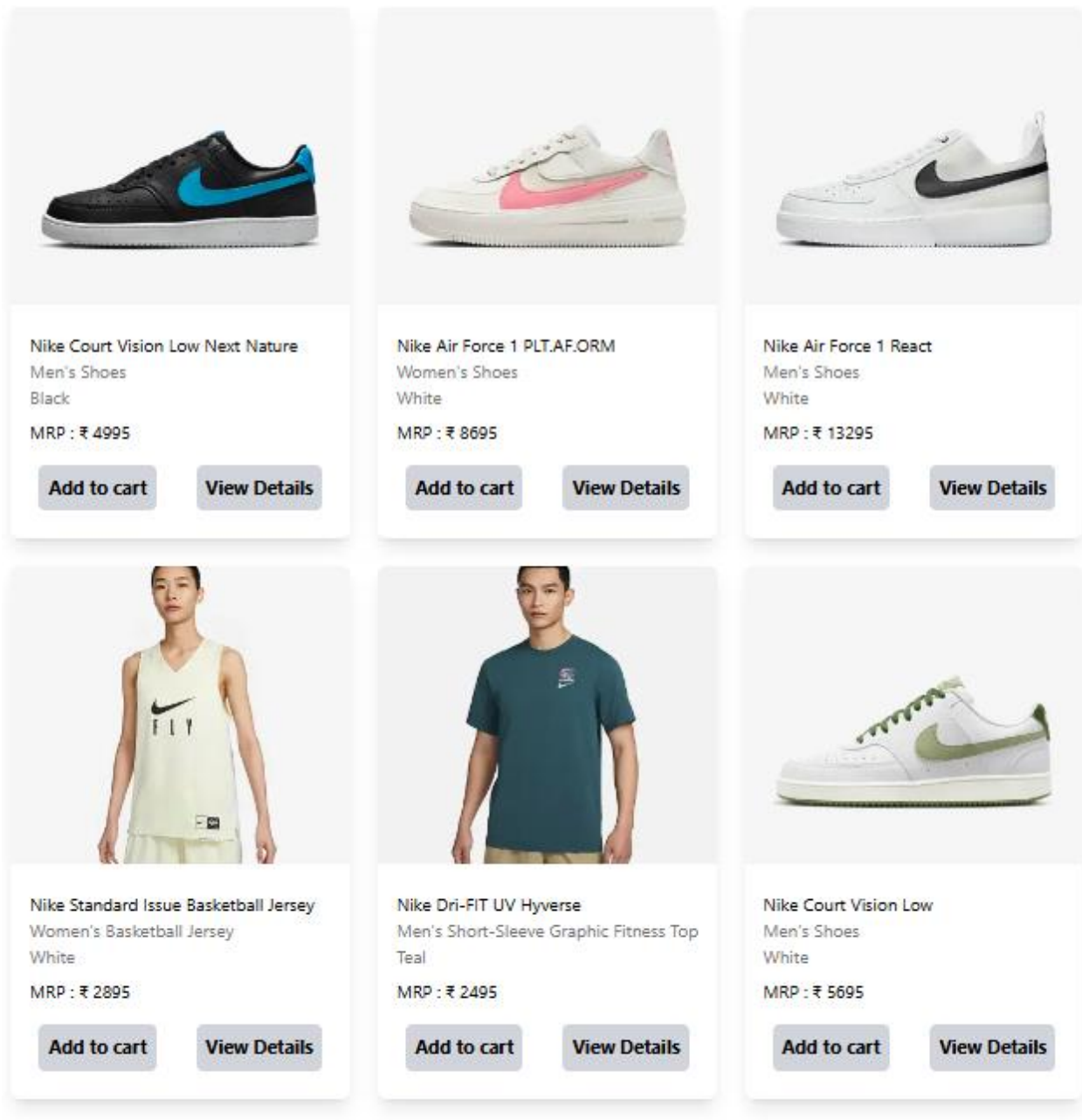
Key components to build

1.ProductListing

2. Product Details

3. SearchBar

4. Cart Component

5. CheckOut

1. Product Listing Page

The Product Listing Page is where all the products available for purchase are displayed. It shows the product name, image, price, and a brief description. Users can filter or sort the products based on different criteria such as price, popularity, or categories.

```
<div className="grid grid-cols-1 sm:grid-cols-2 lg:grid-cols-3 gap-6">
  {filteredProducts.map((product) => (
    <div className="■bg-white shadow-lg rounded-lg overflow-hidden" key={product._id}>
      <Image
        src={product.imageUrl}
        alt={product.productName}
        width={300}
        height={800}
        className="w-full h--64 object-cover"
      />
      <div className="p-4">
        <p className="font-medium text-[15px] mt-2 ■text-[#9E3500]">{product.status}</p>
        <p className="text-[15px] font-normal □text-black">{product.productName}</p>
        <p className="text-[15px] font-normal ■text-[#757575]">{product.category}</p>
        <p className="text-[15px] font-normal ■text-[#757575]">{product.colors}</p>
        <p className="text-[15px] font-normal □text-black mt-2">MRP : ₹ {product.price}</p>
        <div className="flex flex-col sm:flex-row justify-between items-center p-2">
```

Nike Court Vision Low Next Nature
Men's Shoes
Black
MRP : ₹ 4995

Add to cart   View Details

Nike Air Force 1 PLT.AF.ORM
Women's Shoes
White
MRP : ₹ 8695

Add to cart   View Details

Nike Air Force 1 React
Men's Shoes
White
MRP : ₹ 13295

Add to cart   View Details

Nike Standard Issue Basketball Jersey
Women's Basketball Jersey
White
MRP : ₹ 2895

Add to cart   View Details

Nike Dri-FIT UV Hyverse
Men's Short-Sleeve Graphic Fitness Top
Teal
MRP : ₹ 2495

Add to cart   View Details

Nike Court Vision Low
Men's Shoes
White
MRP : ₹ 5695

Add to cart   View Details

2. Product Details Page

The Product Details Page provides detailed information about a selected product. It includes images, a description, specifications, reviews, and an option to add the product to the shopping cart. This page helps users make informed decisions before making a purchase.

```
<Image src={data[0].imageUrl} alt={data[0].productName}
width={500}
height={500}
 className='w-[653px] h-[653px] ▢bg-[#F5F5F5] flex items-center justify-center object-contain'/>
    </div>

{/* right side */}
<div className="w-full md:w-[376px] h-auto md:h-[1041px] relative p-4">
  {/* heading */}
<h1 className="font-medium text-[48px] leading-[48px] mb-6">{data[0].productName}  </h1>
  {/* paragraph */}
  <p className='font-normal text-[15px] leading-[28px] h-auto mb-6'>{data[0].description}</p>
  {/* amount */}
  <p className='font-medium text-[36px] leading-[28px] mb-6'>₹ {data[0].price}</p>
  {/* button */}
<button className="rounded-[30px] py-[7.5px] pr-[23.92px] pl-[22.5px] ▢bg-black flex justify-center items-center">

   <Image src={cart1} alt='cart'  className='pr-1'/>
```

Nike Court Vision Low Next Nature

The Nike Court Vision Low Next Nature combines retro basketball style with modern sustainability. Made with at least 20% recycled content, it features a sleek design, durable materials, and ultimate comfort for everyday wear.

₹ 4995

🛒 Shop Air Max

3. Search Component

The Search Component allows users to quickly find products by entering keywords or product names. It typically includes an input field and displays suggestions or results dynamically as users type, helping them navigate the website more efficiently.

```jsx
// Filter products based on search query
const filteredProducts = products.filter(product =>
  product.productName.toLowerCase().includes(searchQuery.toLowerCase()) ||
  product.category.toLowerCase().includes(searchQuery.toLowerCase()) ||
  product.colors.includes(searchQuery.toLowerCase())
);


return (
  <div className="mx-auto">
    <h1 className="font-bold text-3xl underline text-center mb-4">OUR LATEST COLLECTON</h1>
    <div className="flex justify-center mb-4">

      <input
        type="text"
        placeholder="Search for products..."
        value={searchQuery}
        onChange={handleSearchChange}
        className="border-2 border-gray-300 p-2 rounded-lg w--1/2"
      />
```

Nike Air max

Nike Air Max 270
Men's Shoes
Black

MRP : ₹ 13295

Add to cart   View Details

4. Cart Page

The Cart Page displays the products that a user has added to their shopping cart. It includes information like the product name, quantity, price, and total cost. Users can modify their cart, remove items, or proceed to checkout from this page.

```tsx
const CartPage = () => {
  const [products, setProducts] = useState<IProduct[]>([])
  const [totalAmount, setTotalAmount] = useState<number>(0)
  const router = useRouter()

  useEffect(() => {
    const cart = JSON.parse(localStorage.getItem("cart") || "{}")

    const item = Object.values(cart) as IProduct[]
    setProducts(item)

    const total = item.reduce<number>((acc: number, product: IProduct) => {
      const quantity = product.quantity ?? 0;  // Use 0 if quantity is undefined
      return acc + (product.price * quantity);
    }, 0)
    setTotalAmount(total)
  }, [])

  const handleRemoveItem = (productName: string) => {
    const cart = JSON.parse(localStorage.getItem("cart") || "{}")
    delete cart[productName]  // Remove item by productName
    localStorage.setItem("cart", JSON.stringify(cart))

    const updatedProducts: IProduct[] = Object.values(cart)
```
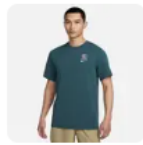
Your Cart

Nike Dri-FIT UV Hyverse	- 7 +	$2495.00	$17465.00	Remove
Nike Air Force 1 PLT.AF.ORM	- 3 +	$8695.00	$26085.00	Remove
Nike Court Vision Low Next Nature	- 2 +	$4995.00	$9990.00	Remove
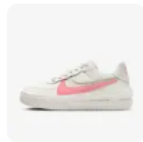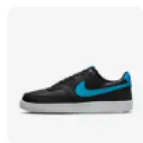
Total Amount   **$53540.00**

Activate
Go to Settin

Clear Cart   Proceed to Checkout

5. Checkout Page

The Checkout Page is where users review their cart items and enter shipping and payment details. It's the final step before completing the purchase, ensuring that all information is accurate before confirming the order.

```jsx
<h2 className="text-3xl font-bold text-center mb-6">Checkout</h2>

<div className="flex flex-col space-y-6">
  {products.map((item) => (
    <div key={item.productName} className="flex items-center justify-between p-4 border-b">
      <div className="flex items-center gap-4">
        <img
          src={item.imageUrl}
          alt={item.productName}
          width={100}
          height={100}
          className="rounded-lg object-cover"
        />
        <p className="text-xl font-semibold">{item.productName}</p>
      </div>

      <div className="flex items-center space-x-4">
        <p className="font-medium text-lg">{item.quantity}</p>
        <p className="font-medium text-lg">${item.price.toFixed(2)}</p>
        <p className="font-medium text-lg text-green-600">${(item.quantity * item.price).toFixed(2)}</p>
      </div>
    </div>
```
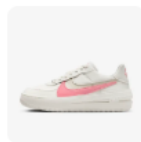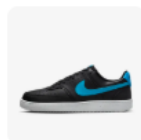
	Nike Air Force 1 PLT.AF.ORM		
		Quantity	3
		Price	$8695.00
		Total Price	$26085.00

	Nike Court Vision Low Next Nature		
		Quantity	2
		Price	$4995.00
		Total Price	$9990.00

Total Amount   **$53540.00**

Complete Purchase

Activate

Conclusion

- **<u>Easy to Use:</u>** All pages, from the Product Listing to the Checkout, are designed to make shopping easy and smooth for users.
- **<u>Next.js Benefits:</u>** Using Next.js helps the site load quickly, perform well on search engines, and be easy to scale as it grows.
- **<u>Smooth Shopping Flow:</u>** From browsing products to completing the order, the process is simple and quick to keep customers happy.
- **<u>Works on Any Device:</u>** The design is mobile-friendly and works well on all devices, so users can shop anytime, anywhere.
- **<u>Ready for the Future:</u>** With Next.js, the project is built to easily add new features and keep up with future trends in e-commerce.