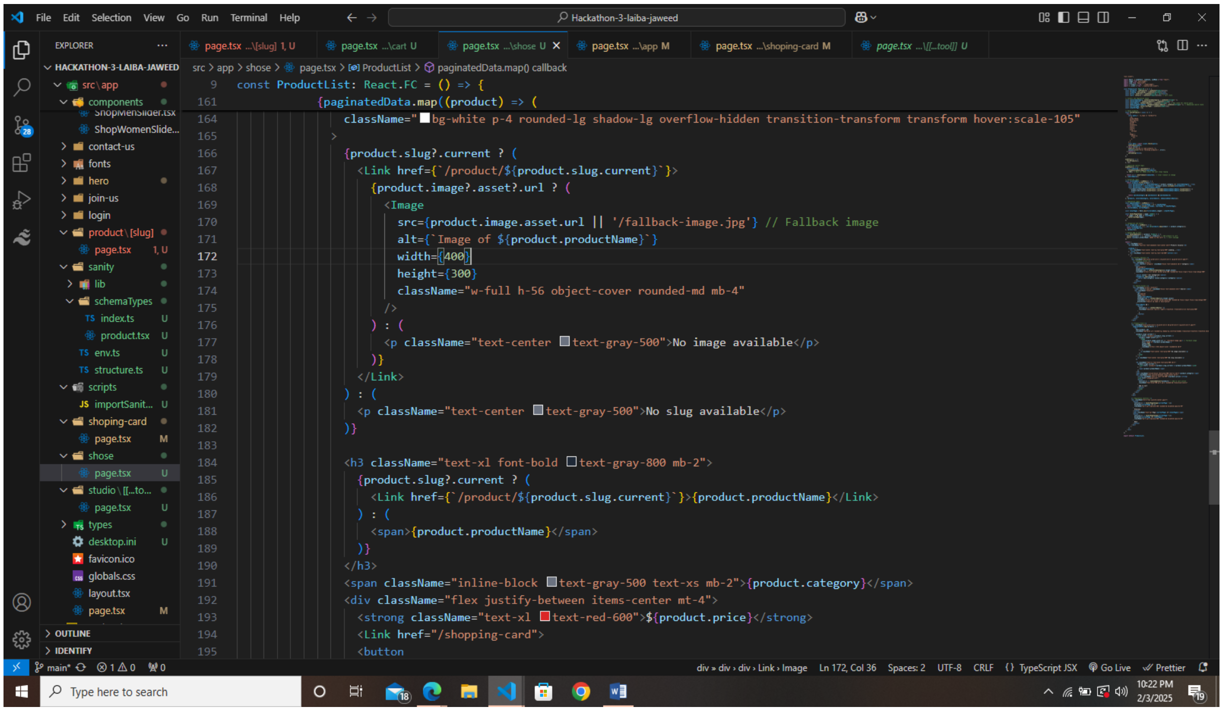
Day 4 Building Dynamic Frontend Component for Marketplace

Laiba Jaweed

Key Components :

Product Listing Component

Code Snippet:

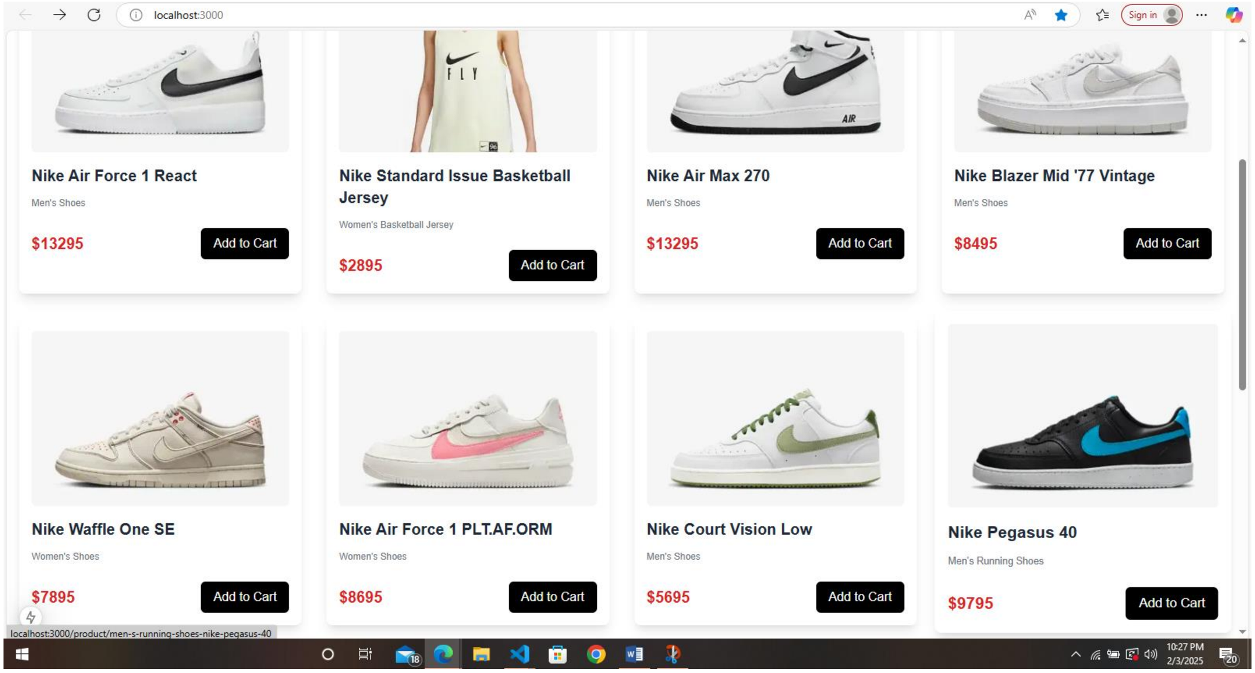


```
const ProductList: React.FC = () => {
            {paginatedData.map((product) => (
                className="bg-white p-4 rounded-lg shadow-lg overflow-hidden transition-transform transform hover:scale-105"
              >
                {product.slug?.current ? (
                  <Link href={`/product/${product.slug.current}`}>
                    {product.image?.asset?.url ? (
                      <Image
                        src={product.image.asset.url || '/fallback-image.jpg'} // Fallback image
                        alt={`Image of ${product.productName}`}
                        width={400}
                        height={300}
                        className="w-full h-56 object-cover rounded-md mb-4"
                      />
                    ) : (
                      <p className="text-center text-gray-500">No image available</p>
                    )}
                  </Link>
                ) : (
                  <p className="text-center text-gray-500">No slug available</p>
                )}

                <h3 className="text-xl font-bold text-gray-800 mb-2">
                  {product.slug?.current ? (
                    <Link href={`/product/${product.slug.current}`}>{product.productName}</Link>
                  ) : (
                    <span>{product.productName}</span>
                  )}
                </h3>
                <span className="inline-block text-gray-500 text-xs mb-2">{product.category}</span>
                <div className="flex justify-between items-center mt-4">
                  <strong className="text-xl text-red-600">${product.price}</strong>
                  <Link href="/shopping-card">
                  <button
```

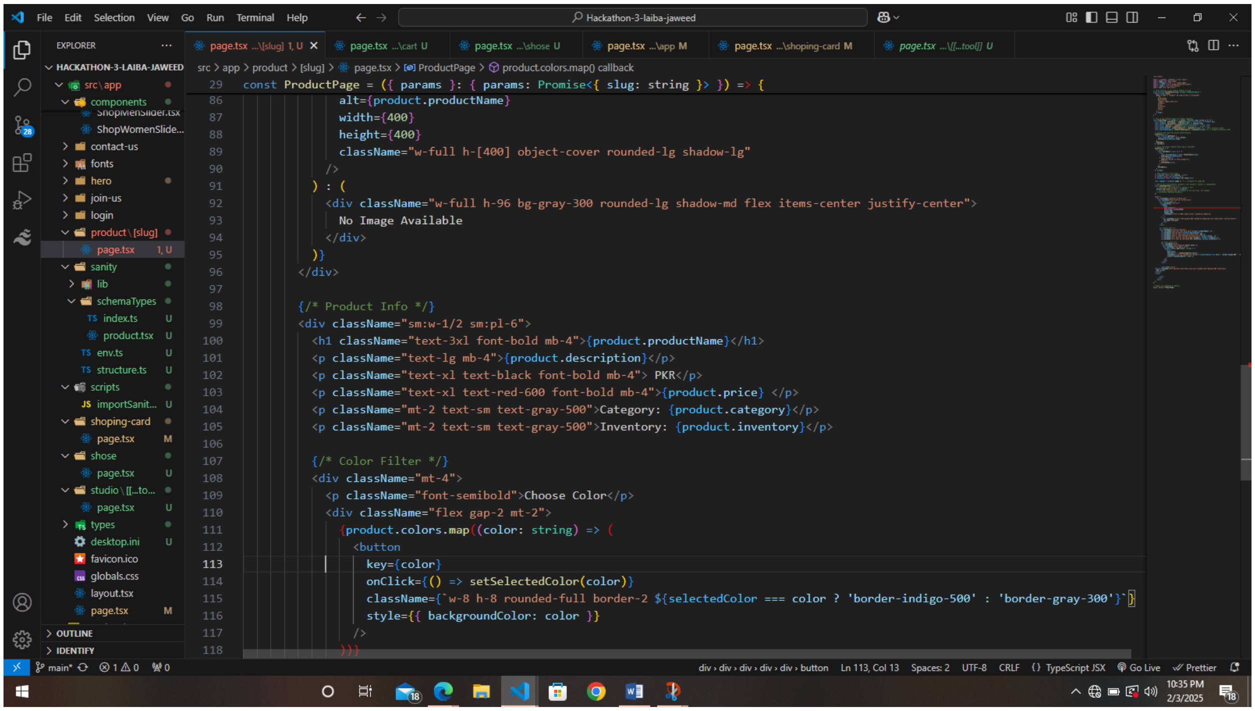
Output Snippet

Product Display



Dynamic Routing Component

Code Snippet:



```
const ProductPage = ({ params }: { params: Promise<{ slug: string }> }) => {
              alt={product.productName}
              width={400}
              height={400}
              className="w-full h-[400] object-cover rounded-lg shadow-lg"
            />
          ) : (
            <div className="w-full h-96 bg-gray-300 rounded-lg shadow-md flex items-center justify-center">
              No Image Available
            </div>
          )}
        </div>

        {/* Product Info */}
        <div className="sm:w-1/2 sm:pl-6">
          <h1 className="text-3xl font-bold mb-4">{product.productName}</h1>
          <p className="text-lg mb-4">{product.description}</p>
          <p className="text-xl text-black font-bold mb-4"> PKR</p>
          <p className="text-xl text-red-600 font-bold mb-4">{product.price} </p>
          <p className="mt-2 text-sm text-gray-500">Category: {product.category}</p>
          <p className="mt-2 text-sm text-gray-500">Inventory: {product.inventory}</p>

          {/* Color Filter */}
          <div className="mt-4">
            <p className="font-semibold">Choose Color</p>
            <div className="flex gap-2 mt-2">
              {product.colors.map((color: string) => (
                <button
                  key={color}
                  onClick={() => setSelectedColor(color)}
                  className={`w-8 h-8 rounded-full border-2 ${selectedColor === color ? 'border-indigo-500' : 'border-gray-300'}`}
                  style={{ backgroundColor: color }}
                />
              ))}
```

Dynamic Routing in Next.js:

Dynamic routing allows you to create routes based on URL parameters.

- File-based routing: Create dynamic routes using [param].js in the pages folder (e.g., pages/[id].js).

- getStaticPaths: Defines which dynamic routes need to be pre-rendered at build time.

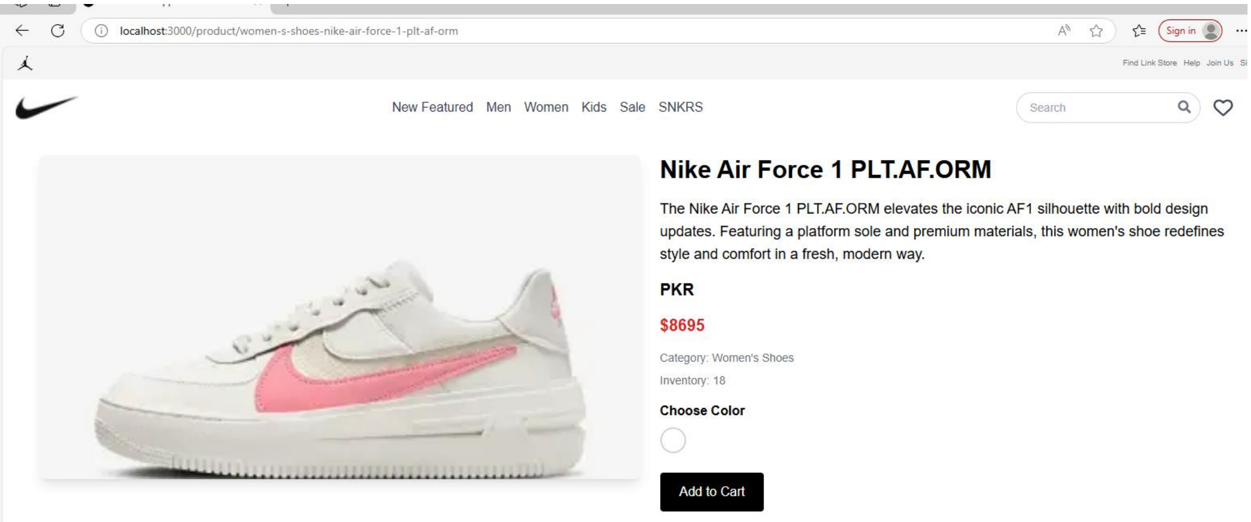
- getStaticProps: Fetches data for each dynamic route.

Example:

- pages/[id].js matches routes like /product/1, /product/2.

This enables flexible, dynamic content rendering based on URL parameters.

Output Snippet:



localhost:3000/product/women-s-shoes-nike-air-force-1-plt-af-orm

Sign in
Find Link Store Help Join Us
New Featured Men Women Kids Sale SNKRS
Search

Nike Air Force 1 PLT.AF.ORM

The Nike Air Force 1 PLT.AF.ORM elevates the iconic AF1 silhouette with bold design updates. Featuring a platform sole and premium materials, this women's shoe redefines style and comfort in a fresh, modern way.

PKR

$8695

Category: Women's Shoes

Inventory: 18

Choose Color

○

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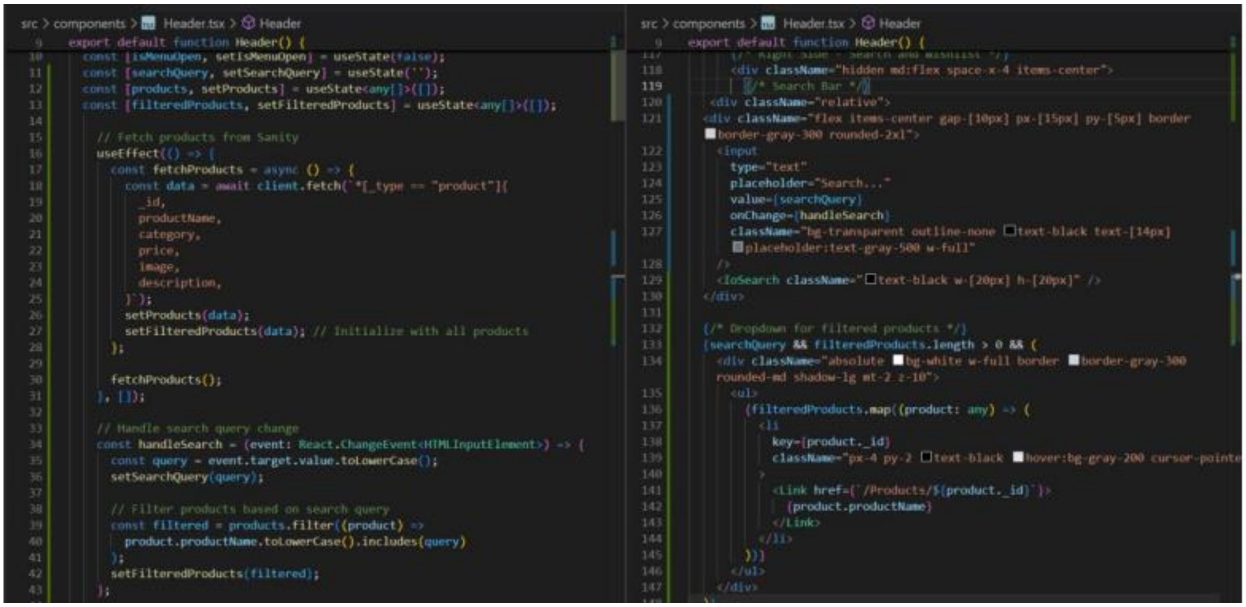
Search Bar

Code Snippet:



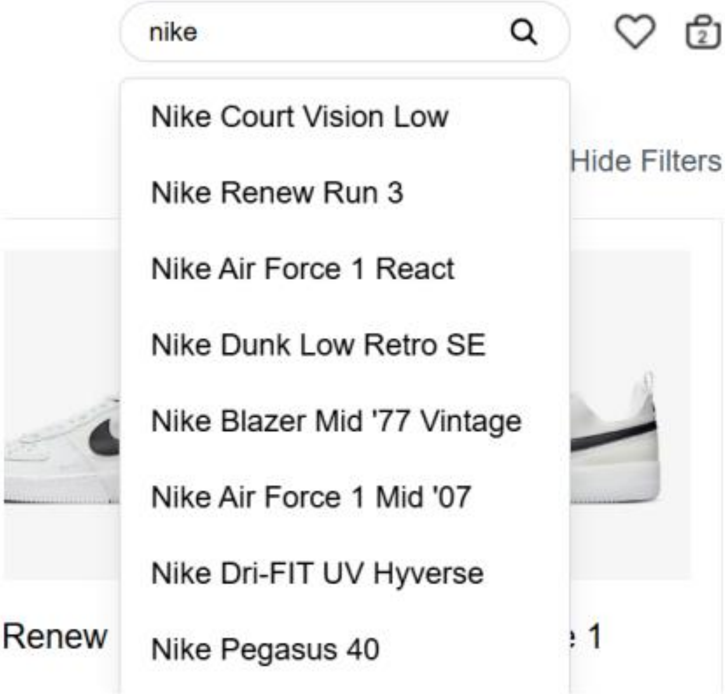
src > components > Header.tsx > Header

```tsx
export default function Header() {
  const [isMenuOpen, setIsMenuOpen] = useState(false);
  const [searchQuery, setSearchQuery] = useState('');
  const [products, setProducts] = useState<any[]>([]);
  const [filteredProducts, setFilteredProducts] = useState<any[]>([]);

    // Fetch products from Sanity
    useEffect(() => {
      const fetchProducts = async () => {
        const data = await client.fetch(`*[_type == "product"]{
          _id,
          productName,
          category,
          price,
          image,
          description,
        }`);
        setProducts(data);
        setFilteredProducts(data); // Initialize with all products
      };

      fetchProducts();
    }, []);

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

      // Filter products based on search query
      const filtered = products.filter((product) =>
        product.productName.toLowerCase().includes(query)
      );
      setFilteredProducts(filtered);
    };
```

src > components > Header.tsx > Header

```tsx
export default function Header() {
        {/* Right Side - Search and Wishlist */}
        <div className="hidden md:flex space-x-4 items-center">
          {/* Search Bar */}
      <div className="relative">
     <div className="flex items-center gap-[10px] px-[15px] py-[5px] border
     border-gray-300 rounded-2xl">
       <input
         type="text"
         placeholder="Search..."
         value={searchQuery}
         onChange={handleSearch}
         className="bg-transparent outline-none text-black text-[14px]
         placeholder:text-gray-500 w-full"
       />
       <IoSearch className="text-black w-[20px] h-[20px]" />
     </div>

     {/* Dropdown for filtered products */}
     {searchQuery && filteredProducts.length > 0 && (
       <div className="absolute bg-white w-full border border-gray-300
       rounded-md shadow-lg mt-2 z-10">
         <ul>
           {filteredProducts.map((product: any) => (
             <li
               key={product._id}
               className="px-4 py-2 text-black hover:bg-gray-200 cursor-pointe
             >
               <Link href={`/Products/${product._id}`}>
                 {product.productName}
               </Link>
             </li>
           ))}
         </ul>
       </div>
     )}
```

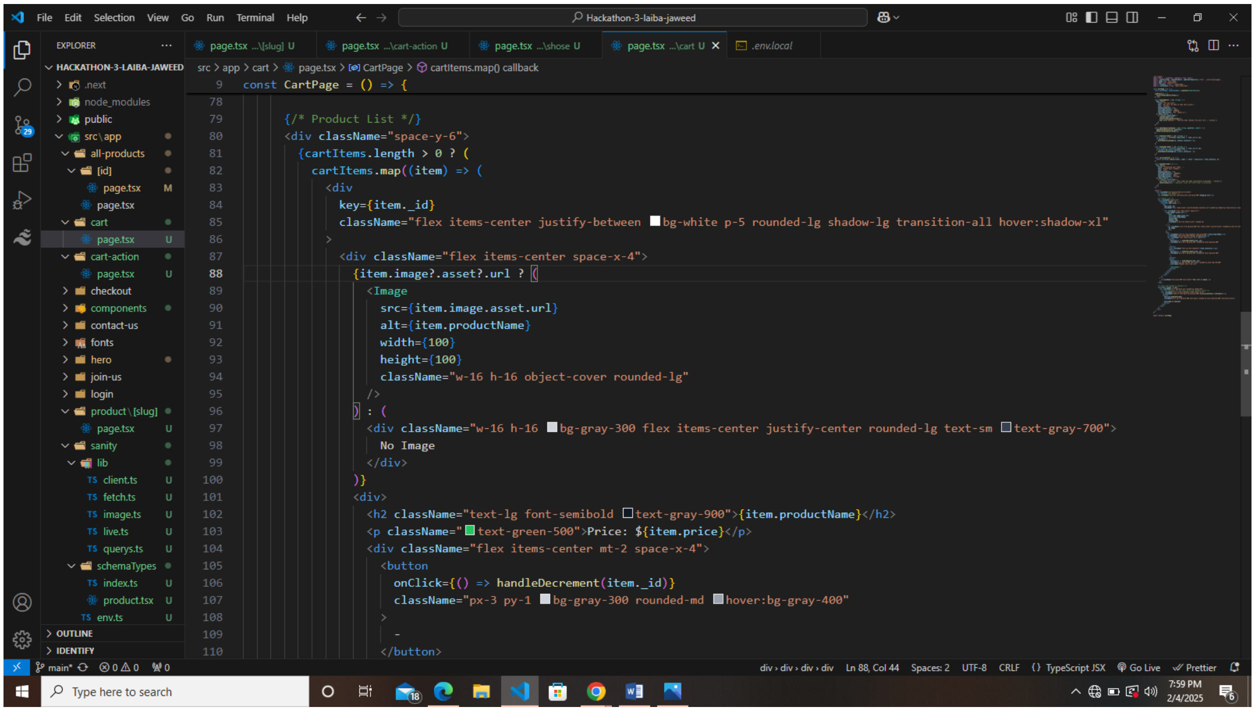
Output Snippet:



nike

Cart Component

Code Snippet:



Hackathon-3-laiba-jaweed
page.tsx ...\[slug] U
page.tsx ...\cart-action U
page.tsx ...\shose U
page.tsx ...\cart U
.env.local
src > app > cart > page.tsx > CartPage > cartItems.map() callback
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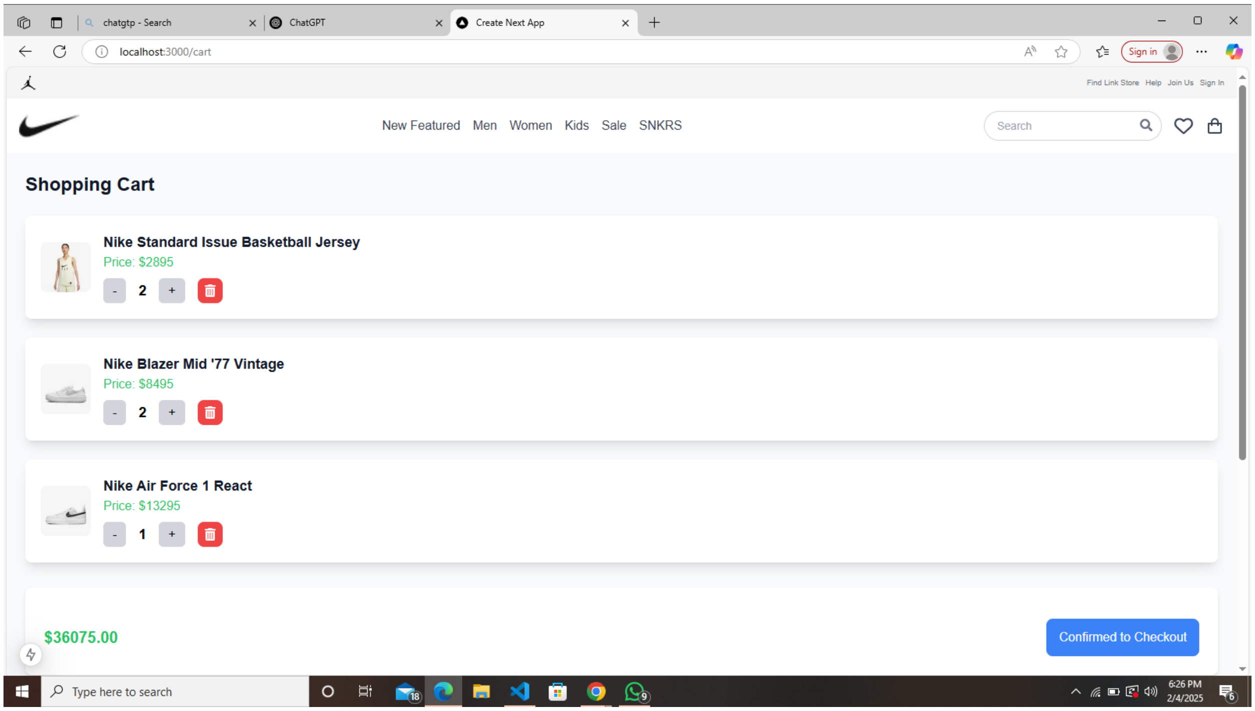
Ln 88, Col 44 Spaces: 2 UTF-8 CRLF TypeScript JSX Go Live Prettier

```
const CartPage = () => {

      {/* Product List */}
      <div className="space-y-6">
        {cartItems.length > 0 ? (
          cartItems.map((item) => (
            <div
              key={item._id}
              className="flex items-center justify-between bg-white p-5 rounded-lg shadow-lg transition-all hover:shadow-xl"
            >
              <div className="flex items-center space-x-4">
                {item.image?.asset?.url ? (
                  <Image
                    src={item.image.asset.url}
                    alt={item.productName}
                    width={100}
                    height={100}
                    className="w-16 h-16 object-cover rounded-lg"
                  />
                ) : (
                  <div className="w-16 h-16 bg-gray-300 flex items-center justify-center rounded-lg text-sm text-gray-700">
                    No Image
                  </div>
                )}
                <div>
                  <h2 className="text-lg font-semibold text-gray-900">{item.productName}</h2>
                  <p className="text-green-500">Price: ${item.price}</p>
                  <div className="flex items-center mt-2 space-x-4">
                    <button
                      onClick={() => handleDecrement(item._id)}
                      className="px-3 py-1 bg-gray-300 rounded-md hover:bg-gray-400"
                    >
                      -
                    </button>
```

Output Snippet:



Shopping Cart

Nike Standard Issue Basketball Jersey
Price: $2895
- 2 +

Nike Blazer Mid '77 Vintage
Price: $8495
- 2 +

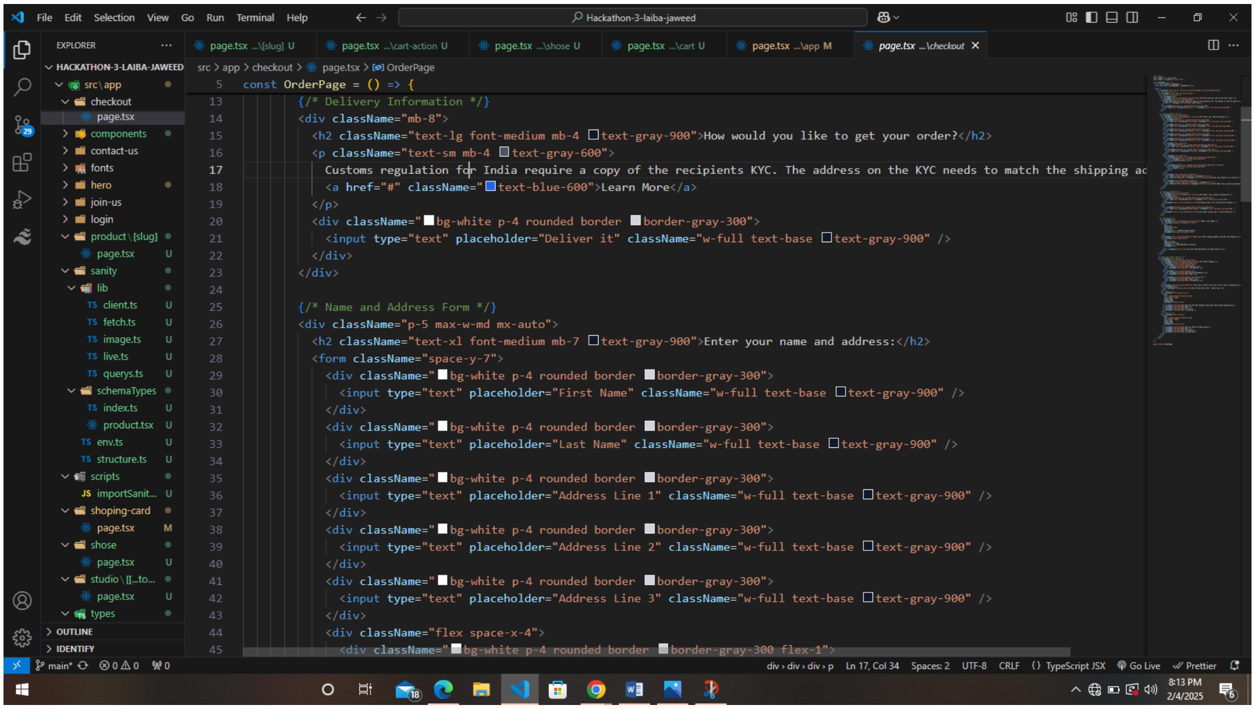
Nike Air Force 1 React
Price: $13295
- 1 +

$36075.00

Confirmed to Checkout

Checkout Component

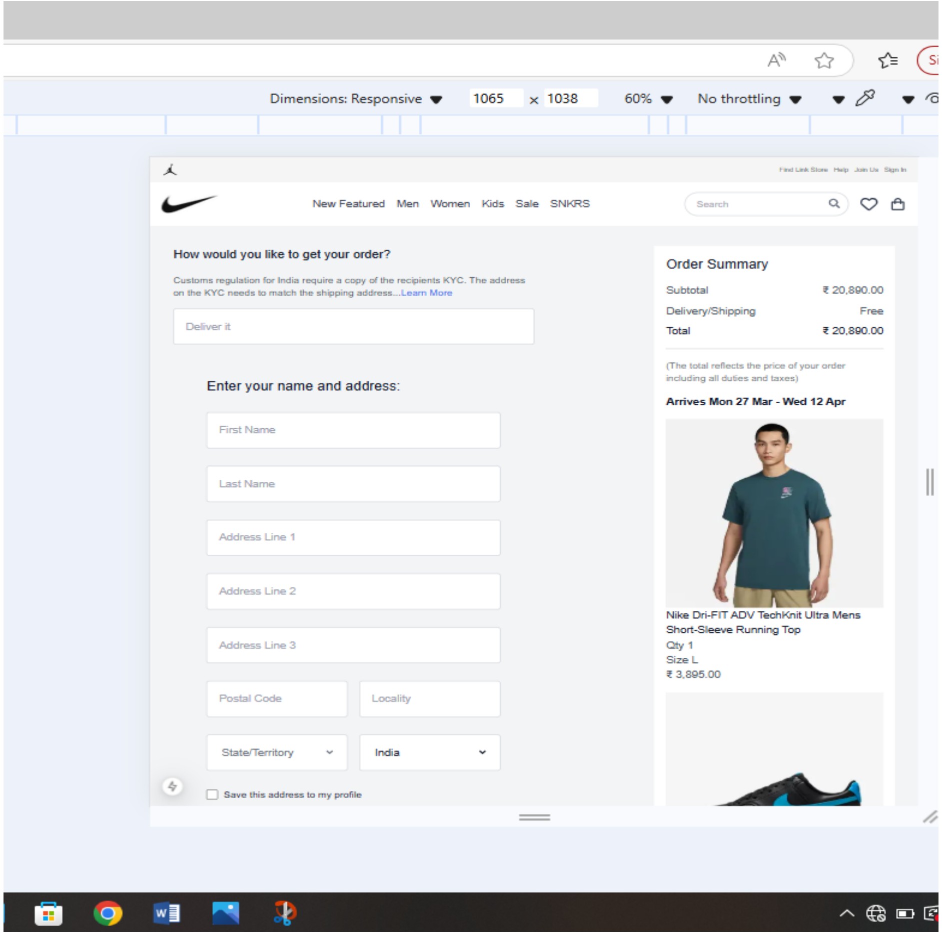
Code Snippet:



```
const OrderPage = () => {
        {/* Delivery Information */}
        <div className="mb-8">
          <h2 className="text-lg font-medium mb-4 text-gray-900">How would you like to get your order?</h2>
          <p className="text-sm mb-4 text-gray-600">
            Customs regulation for India require a copy of the recipients KYC. The address on the KYC needs to match the shipping ad
            <a href="#" className="text-blue-600">Learn More</a>
          </p>
          <div className="bg-white p-4 rounded border border-gray-300">
            <input type="text" placeholder="Deliver it" className="w-full text-base text-gray-900" />
          </div>
        </div>

        {/* Name and Address Form */}
        <div className="p-5 max-w-md mx-auto">
          <h2 className="text-xl font-medium mb-7 text-gray-900">Enter your name and address:</h2>
          <form className="space-y-7">
            <div className="bg-white p-4 rounded border border-gray-300">
              <input type="text" placeholder="First Name" className="w-full text-base text-gray-900" />
            </div>
            <div className="bg-white p-4 rounded border border-gray-300">
              <input type="text" placeholder="Last Name" className="w-full text-base text-gray-900" />
            </div>
            <div className="bg-white p-4 rounded border border-gray-300">
              <input type="text" placeholder="Address Line 1" className="w-full text-base text-gray-900" />
            </div>
            <div className="bg-white p-4 rounded border border-gray-300">
              <input type="text" placeholder="Address Line 2" className="w-full text-base text-gray-900" />
            </div>
            <div className="bg-white p-4 rounded border border-gray-300">
              <input type="text" placeholder="Address Line 3" className="w-full text-base text-gray-900" />
            </div>
            <div className="flex space-x-4">
              <div className="bg-white p-4 rounded border border-gray-300 flex-1">
```

Output Snippet



Dimensions: Responsive 1065 × 1038 60% No throttling

Find Link Store Help Join Us Sign In

New Featured Men Women Kids Sale SNKRS

Search

How would you like to get your order?

Customs regulation for India require a copy of the recipients KYC. The address on the KYC needs to match the shipping address...Learn More

Deliver it

Enter your name and address:

First Name

Last Name

Address Line 1

Address Line 2

Address Line 3

Postal Code

Locality

State/Territory

India

□ Save this address to my profile

Order Summary

Subtotal	₹ 20,890.00
Delivery/Shipping	Free
Total	₹ 20,890.00

(The total reflects the price of your order including all duties and taxes)

Arrives Mon 27 Mar - Wed 12 Apr

Nike Dri-FIT ADV TechKnit Ultra Mens Short-Sleeve Running Top
Qty 1
Size L
₹ 3,895.00

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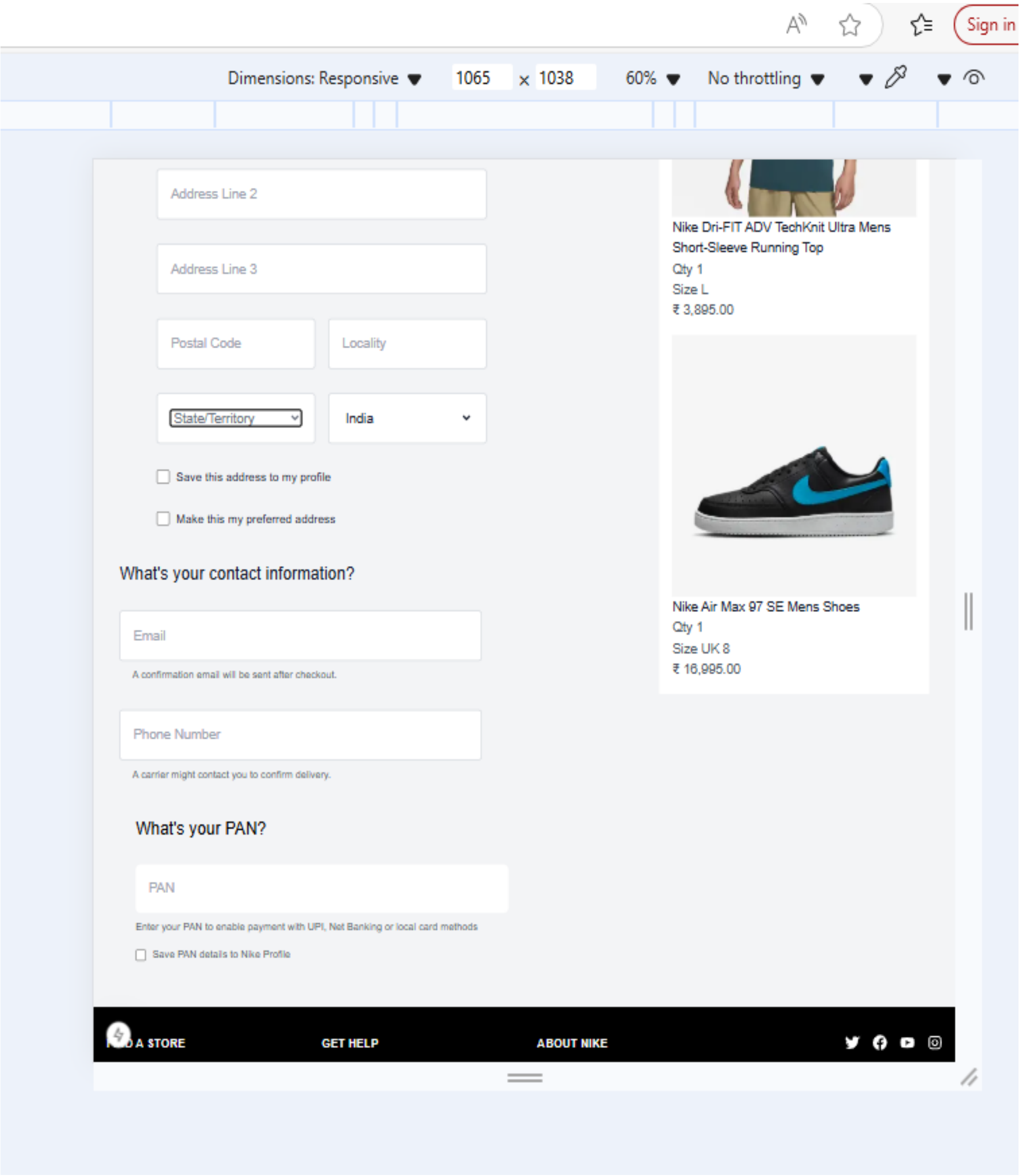
Output Snippet:



Address Line 2

Address Line 3

Postal Code

Locality

State/Territory

India

□ Save this address to my profile

□ Make this my preferred address

What's your contact information?

Email

A confirmation email will be sent after checkout.

Phone Number

A carrier might contact you to confirm delivery.

What's your PAN?

PAN

Enter your PAN to enable payment with UPI, Net Banking or local card methods

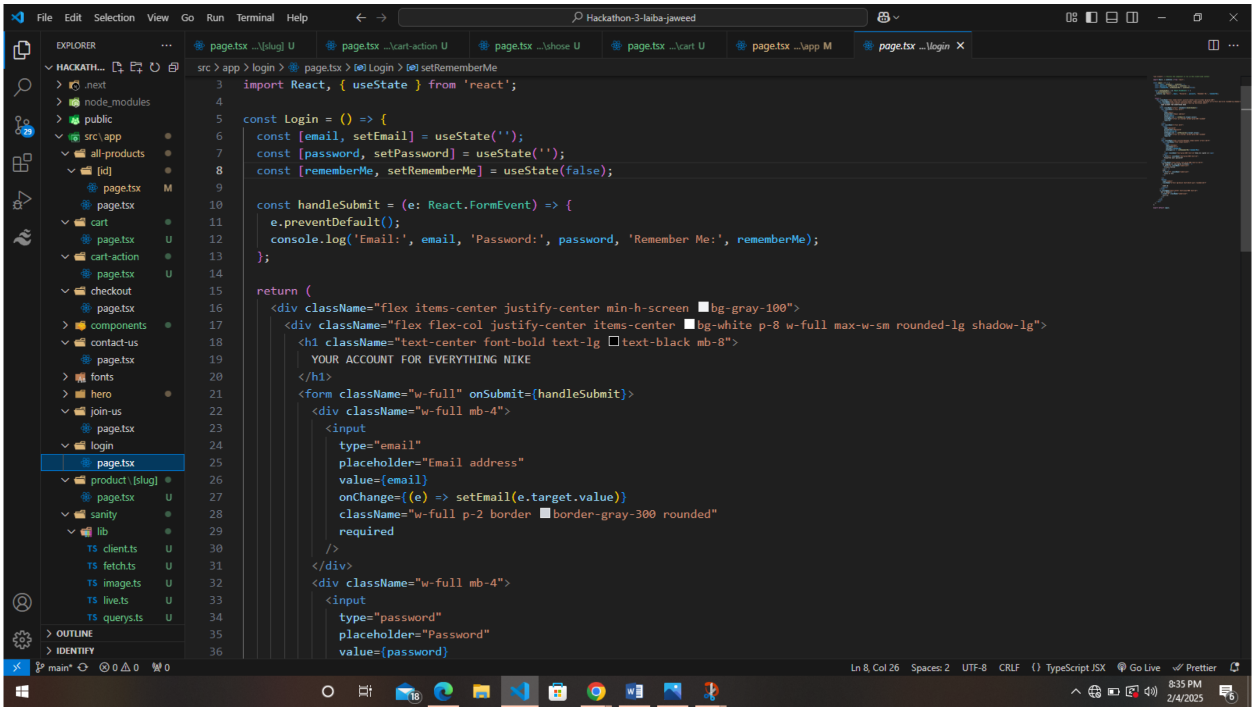
□ Save PAN details to Nike Profile

Nike Dri-FIT ADV TechKnit Ultra Mens Short-Sleeve Running Top
Qty 1
Size L
₹ 3,895.00

Nike Air Max 97 SE Mens Shoes
Qty 1
Size UK 8
₹ 16,995.00

Login Component

Code Snippet:



src > app > login > page.tsx > Login > setRememberMe

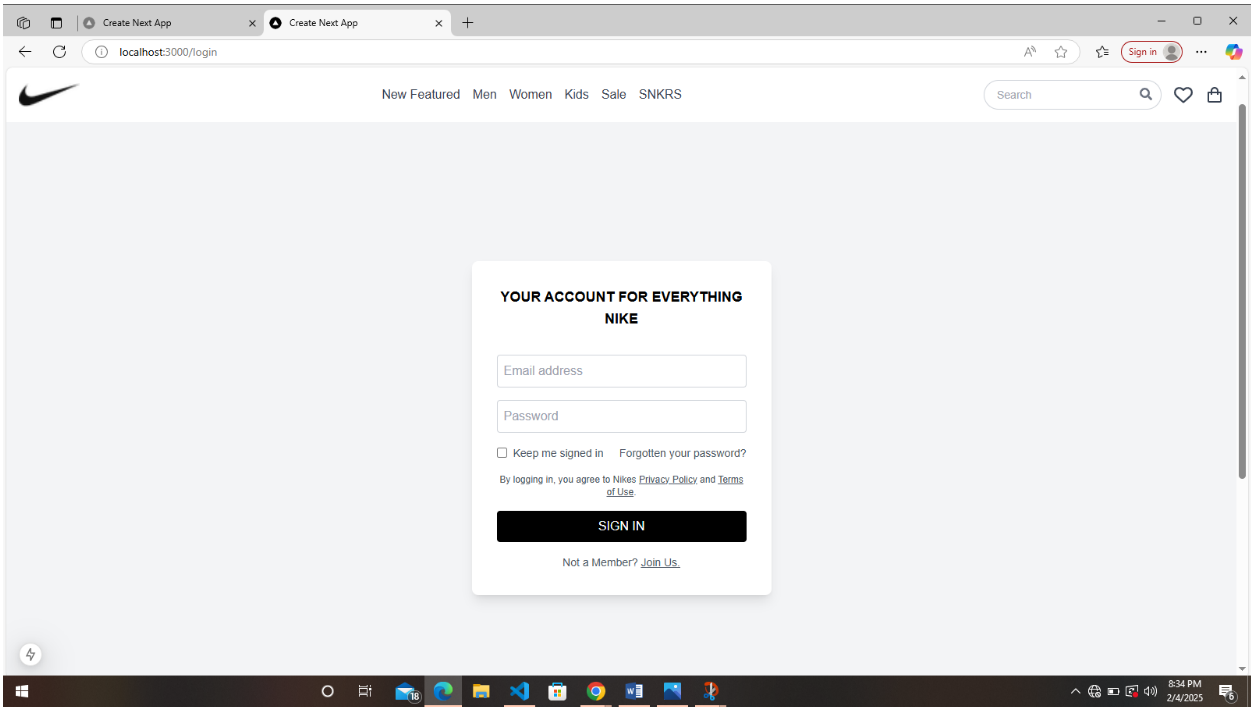
```tsx
import React, { useState } from 'react';

const Login = () => {
  const [email, setEmail] = useState('');
  const [password, setPassword] = useState('');
  const [rememberMe, setRememberMe] = useState(false);

  const handleSubmit = (e: React.FormEvent) => {
    e.preventDefault();
    console.log('Email:', email, 'Password:', password, 'Remember Me:', rememberMe);
  };

  return (
    <div className="flex items-center justify-center min-h-screen bg-gray-100">
      <div className="flex flex-col justify-center items-center bg-white p-8 w-full max-w-sm rounded-lg shadow-lg">
        <h1 className="text-center font-bold text-lg text-black mb-8">
          YOUR ACCOUNT FOR EVERYTHING NIKE
        </h1>
        <form className="w-full" onSubmit={handleSubmit}>
          <div className="w-full mb-4">
            <input
              type="email"
              placeholder="Email address"
              value={email}
              onChange={(e) => setEmail(e.target.value)}
              className="w-full p-2 border border-gray-300 rounded"
              required
            />
          </div>
          <div className="w-full mb-4">
            <input
              type="password"
              placeholder="Password"
              value={password}
```

Output Snippet:



YOUR ACCOUNT FOR EVERYTHING NIKE

Email address

Password

□ Keep me signed in   Forgotten your password?

By logging in, you agree to Nikes Privacy Policy and Terms of Use.

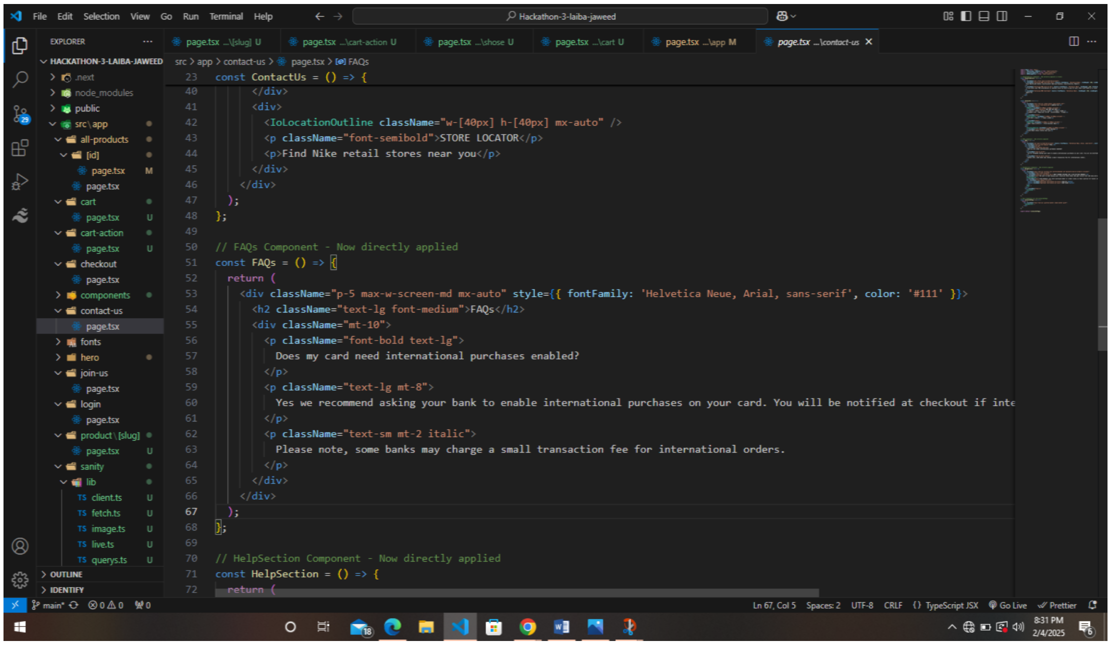
SIGN IN

Not a Member? Join Us.

Laiba Jaweed

Contact and FAQS Component

Code Snippet:

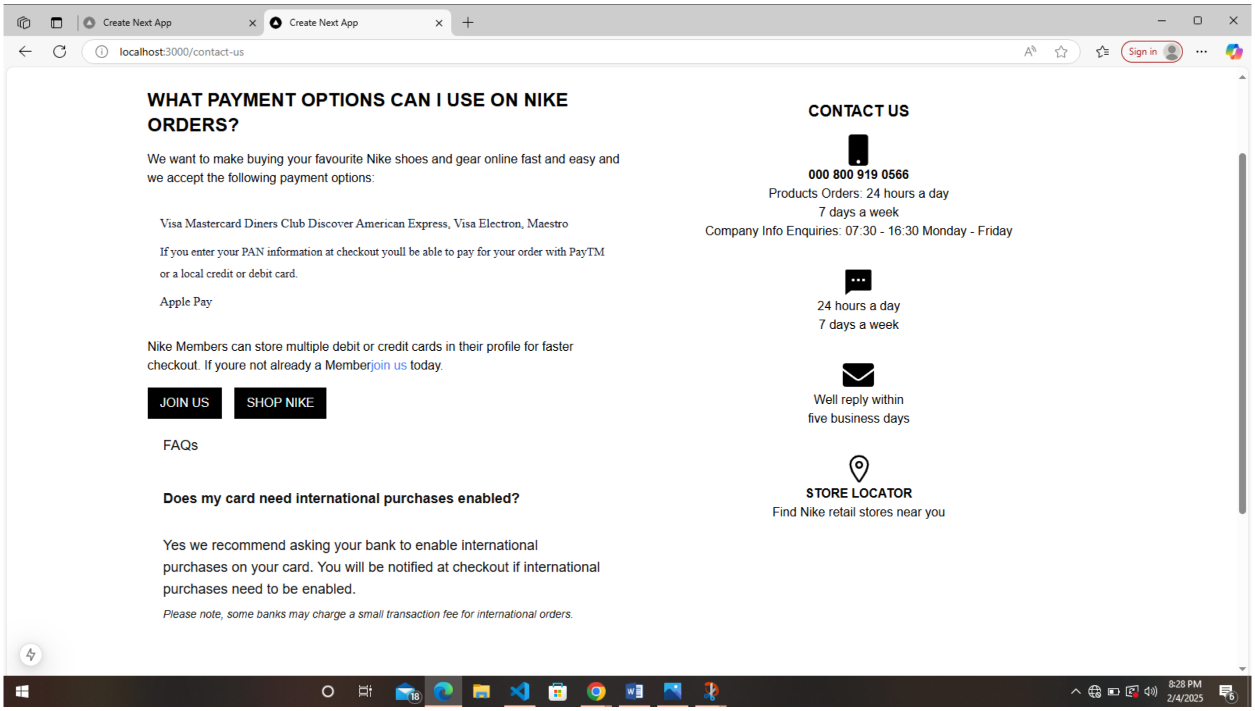

Hackathon-3-laiba-jaweed
page.tsx ...\[slug] U
page.tsx ...\cart-action U
page.tsx ...\shose U
page.tsx ...\cart U
page.tsx ...\app M
page.tsx ...\contact-us
src > app > contact-us > page.tsx > FAQs
Ln 67, Col 5 Spaces: 2 UTF-8 CRLF TypeScript JSX Go Live Prettier

```tsx
const ContactUs = () => {
      </div>
      <div>
        <IoLocationOutline className="w-[40px] h-[40px] mx-auto" />
        <p className="font-semibold">STORE LOCATOR</p>
        <p>Find Nike retail stores near you</p>
      </div>
    </div>
  );
};

// FAQs Component - Now directly applied
const FAQs = () => {
  return (
    <div className="p-5 max-w-screen-md mx-auto" style={{ fontFamily: 'Helvetica Neue, Arial, sans-serif', color: '#111' }}>
      <h2 className="text-lg font-medium">FAQs</h2>
      <div className="mt-10">
        <p className="font-bold text-lg">
          Does my card need international purchases enabled?
        </p>
        <p className="text-lg mt-8">
          Yes we recommend asking your bank to enable international purchases on your card. You will be notified at checkout if inte
        </p>
        <p className="text-sm mt-2 italic">
          Please note, some banks may charge a small transaction fee for international orders.
        </p>
      </div>
    </div>
  );
};

// HelpSection Component - Now directly applied
const HelpSection = () => {
  return (
```

Output Snippet:



WHAT PAYMENT OPTIONS CAN I USE ON NIKE ORDERS?

We want to make buying your favourite Nike shoes and gear online fast and easy and we accept the following payment options:

Visa Mastercard Diners Club Discover American Express, Visa Electron, Maestro

If you enter your PAN information at checkout youll be able to pay for your order with PayTM or a local credit or debit card.

Apple Pay

Nike Members can store multiple debit or credit cards in their profile for faster checkout. If youre not already a Memberjoin us today.

FAQs

Does my card need international purchases enabled?

Yes we recommend asking your bank to enable international purchases on your card. You will be notified at checkout if international purchases need to be enabled.

Please note, some banks may charge a small transaction fee for international orders.

CONTACT US

000 800 919 0566
Products Orders: 24 hours a day
7 days a week
Company Info Enquiries: 07:30 - 16:30 Monday - Friday

24 hours a day
7 days a week

Well reply within
five business days

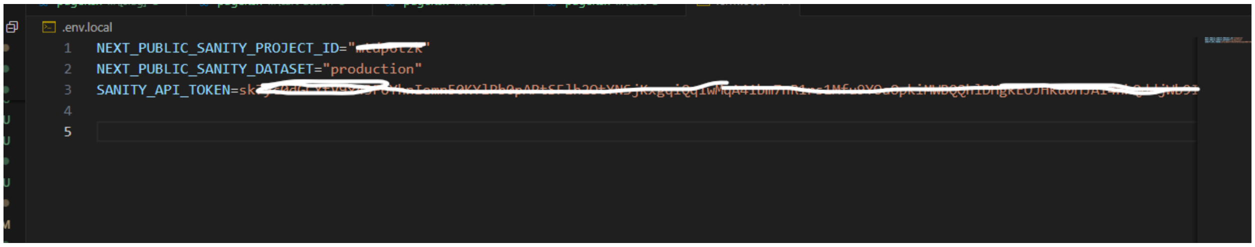
STORE LOCATOR
Find Nike retail stores near you

API Integration:

1. Sanity API Fetching Logic: Since you're using Sanity CMS, you need to ensure data fetching is properly managed.

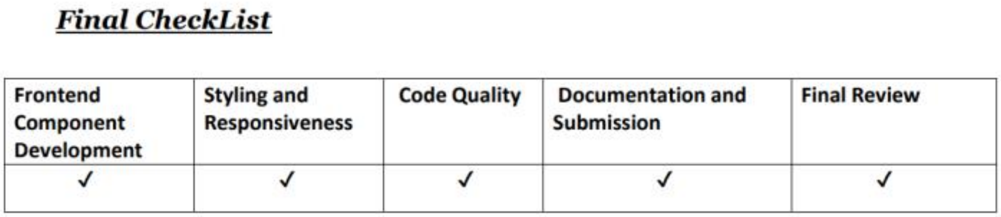
2. Sanity Client Setup (if not already set up): In your lib folder, configure the Sanity client.

Code Snippet:



```
NEXT_PUBLIC_SANITY_PROJECT_ID="[redacted]"
NEXT_PUBLIC_SANITY_DATASET="production"
SANITY_API_TOKEN=sk[redacted]


```



Final CheckList

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

Laiba Jaweed