


# HACKATHON 3

## DAY 4


### Building Dynamic Frontend Components for Your Marketplace

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<b>Slot:</b>	Friday(morning)


# 1. Product Listing Component




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## Products



**Nike Air Force 1 Mid '07**

The Nike Air Force 1 Mid '07 delivers timeless style with premium leather and mid-cut design. Perfect for everyday wear, it provides exceptional comfort and durability. The iconic Air-Sole cushioning adds responsive support for long-lasting performance.

₹10795



**Nike Standard Issue 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



**Nike Dunk Low Retro SE**

The Nike Dunk Low Retro SE brings vintage vibes with a modern twist. Featuring premium materials and a neutral color palette, this classic sneaker is versatile, stylish, and perfect for any casual occasion.

₹9695



**Nike Air Max 270**

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



**Nike Pegasus 40**

The Nike Pegasus 40 delivers responsive cushioning and durability for everyday runners. Its lightweight construction and secure fit make it the perfect choice for training or casual runs.

₹9795



**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



**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.

₹8695



**Nike Air Force 1 React**

The Nike Air Force 1 React takes the classic AF1 to the next level with React technology. Experience unparalleled cushioning and modern design details for all-day comfort and a bold statement of style.

₹13295



**Nike Dri-FIT UV Hyverse**

The Nike Dri-FIT UV Hyverse graphic top offers comfort and UV protection in style. Made from soft, breathable fabric, this fitness top keeps you cool and dry during workouts or casual outings.

₹2495



**Nike Zoom Fly 5**

The Nike Zoom Fly 5 provides next-level speed with responsive cushioning and a sleek aerodynamic design.



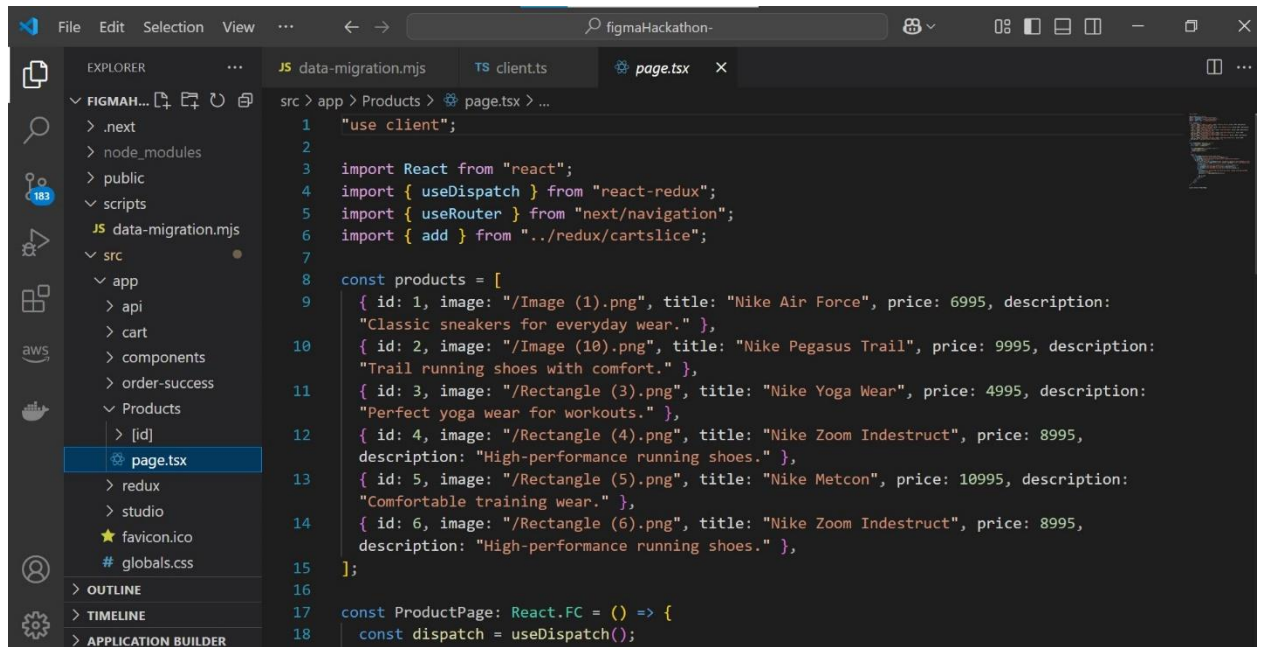
**Nike Renew Run 3**

The Nike Renew Run 3 offers plush cushioning and a breathable design for smooth, comfortable runs. Perfect



**Nike Metcon 8**

The Nike Metcon 8 is built for intense training sessions. Featuring a stable base, durable materials, and excellent



```
1  "use client";
2
3  import React from "react";
4  import { useReducer } from "react-redux";
5  import { useRouteMatch } from "next/navigation";
6  import { add } from "../redux/cartslice";
7
8  const products = [
9    { id: 1, image: "/Image (1).png", title: "Nike Air Force", price: 6995, description:
10      "Classic sneakers for everyday wear." },
11    { id: 2, image: "/Image (10).png", title: "Nike Pegasus Trail", price: 9995, description:
12      "Trail running shoes with comfort." },
13    { id: 3, image: "/Rectangle (3).png", title: "Nike Yoga Wear", price: 4995, description:
14      "Perfect yoga wear for workouts." },
15    { id: 4, image: "/Rectangle (4).png", title: "Nike Zoom Indestruct", price: 8995,
16      description: "High-performance running shoes." },
17    { id: 5, image: "/Rectangle (5).png", title: "Nike Metcon", price: 10995, description:
18      "Comfortable training wear." },
19    { id: 6, image: "/Rectangle (6).png", title: "Nike Zoom Indestruct", price: 8995,
20      description: "High-performance running shoes." },
21  ];
22
23  const ProductPage: React.FC = () => {
24    const dispatch = useReducer();
```

## 2. Product Detail Component:



## Nike Air Force 1 Mid '07

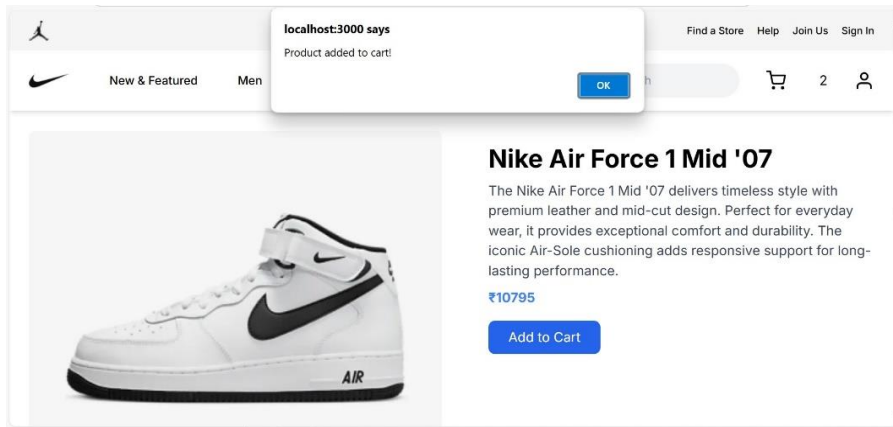
The Nike Air Force 1 Mid '07 delivers timeless style with premium leather and mid-cut design. Perfect for everyday wear, it provides exceptional comfort and durability. The iconic Air-Sole cushioning adds responsive support for long-lasting performance.

₹10795

Add to Cart

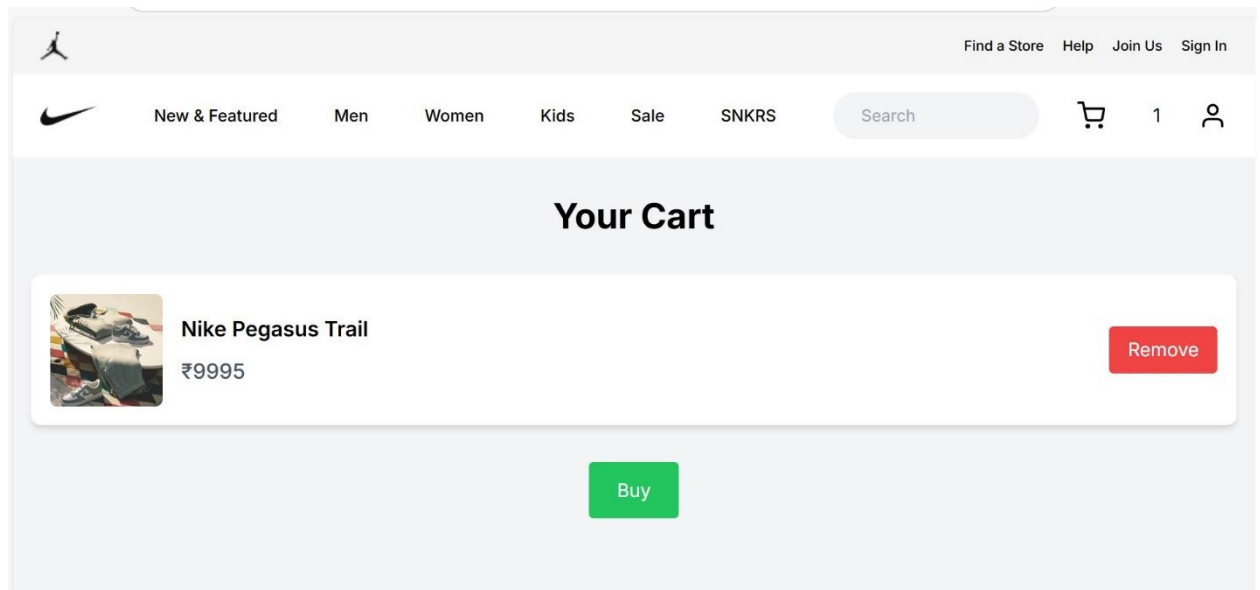
```
page.tsx M X
src > app > Products > [id] > page.tsx > Product > title
2
3 import { notFound } from "next/navigation";
4 import ClientProductPage from "../ClientProductPage";
5
6 interface Product {
7   id: string;
8   image: string;
9   title: string;
10  description: string;
11  price: string;
12 }
13
14 const products: Product[] = [
15   { id: "1", image: "/Image (1).png", title: "Nike Air Force", price: "₹6,995", description: "Classic sneakers for everyday wear." },
16   { id: "2", image: "/Image (10).png", title: "Nike Pegasus Trail", price: "₹9,995", description: "Trail running shoes with comfort." },
17   { id: "3", image: "/Rectangle (3).png", title: "Nike Yoga Wear", price: "₹4,995", description: "Perfect yoga wear for workouts." },
18   { id: "4", image: "/Rectangle (4).png", title: "Nike Zoom Indestruct", price: "₹8,995", description: "High-performance running shoes." },
19   { id: "5", image: "/Rectangle (5).png", title: "Nike Metcon", price: "₹10,995", description: "Comfortable training wear." },
20   { id: "6", image: "/Rectangle (6).png", title: "Nike Yoga Wear", price: "₹4,995", description: "Perfect yoga wear for workouts." },
21 ];
22
23 export async function generateStaticParams() {
24   return products.map((product) => ({
25     id: product.id,
26   }));
27 }
28
29 export default function ProductPage({ params }: { params: { id: string } }) {
30   const product = products.find((p) => p.id === params.id);
31
32   if (!product) {
33     notFound();
34   }
35
36   return <ClientProductPage product={product} />;
37 }
38
```

### 3. Notification Component:



```
export default function ClientProductPage({ product }: { product: Product }) {  
  const dispatch = useDispatch();  
  
  const handleAddToCart = () => {  
    dispatch(add({ ...product, id: Number(product.id), price: Number(product.price) }));  
    alert("Product added to cart!");  
  };  
}
```

## 4. Cart Component:



```
src > app > cart > page.tsx > ...
1  "use client";
2
3  import React from "react";
4  import { useDispatch, useSelector } from "react-redux";
5  import { useRouter } from "next/navigation";
6  import { remove, clearCart } from "../redux/cartslice";
7  import { RootState } from "../redux/store";
8
9  const CartPage: React.FC = () => {
10   const dispatch = useDispatch();
11   const router = useRouter();
12   const cartItems = useSelector((state: RootState) => state.cart);
13
14   const handleRemove = (id: number) => {
15     dispatch(remove(id));
16   };
17
18   const handleBuy = () => {
19     dispatch(clearCart()); // Clear the cart
20     router.push("/order-success"); // Redirect to the order success page
21   };
22
23   return (
24     <div className="min-h-screen bg-gray-100 py-8 px-4">
25       <h3 className="text-3xl font-bold text-center mb-8">Your Cart</h3>
26       {cartItems.length > 0 ? (
27         <>
28           <div className="space-y-6">
29             {cartItems.map((item) => (
30               <div key={item.id} className="flex items-center bg-white shadow-md rounded-lg p-4">
31                 <img src={item.image} alt={item.title} className="w-24 h-24 object-cover rounded-md" />
32                 <div className="ml-4 flex-grow">
33                   <h5 className="text-lg font-semibold">{item.title}</h5>
34                   <h5 className="text-lg font-medium text-gray-600 mt-2">₹
35                     {item.price}</h5>
36                 </div>
37                 <button
38                   className="bg-red-500 text-white px-4 py-2 rounded hover:bg-red-600 transition-colors"
39                   onClick={() => handleRemove(item.id)}
40                 >
41                   Remove
42                 </button>
43               </div>
44             ))}
45             <button
46               className="mt-8 bg-green-500 text-white px-6 py-3 rounded hover:bg-green-600 transition-colors block mx-auto"
47               onClick={handleBuy}
48             >
49               Buy
50             </button>
51           </>
52         </>
53       ) : (
54         <p className="text-center text-gray-600">Your cart is empty.</p>
55       )
56     )
57   );
58 }
59
60 export default CartPage;
61
62 //////////////////////////////////////////////////
```

## 5. User Component:



```
<Link href="/login">  
  <FiUser className="text-2xl cursor-pointer" />  
</Link>
```

## 6. Login Component:

### Login

Email

Password

Login

Don't have an account? [Register here](#)



```
src > app > login > @ pagetox > ...
1 'use client';
2
3 import React, { useState } from 'react';
4 import { useRouter } from 'next/navigation';
5 import { useDispatch } from 'react-redux';
6 import { login } from '../redux/authSlice';
7
8 const LoginPage = () => {
9   const [email, setEmail] = useState('');
10   const [password, setPassword] = useState('');
11   const [error, setError] = useState('');
12   const dispatch = useDispatch();
13   const router = useRouter();
14
15   const handleLogin = (e: React.FormEvent) => {
16     e.preventDefault();
17
18     const users = JSON.parse(localStorage.getItem('users') || '[]');
19     const userExists = users.find(
20       (user: any) => user.email === email && user.password === password
21     );
22
23     if (userExists) {
24       dispatch(login({ email }));
25       router.push('/dashboard'); // Redirect to the dashboard
26     } else {
27       setError("Invalid email or password.");
28     }
29   };
30
31   return (
32     <div className="flex justify-center items-center min-h-screen bg-gray-100">
33       <div className="bg-white p-6 rounded-lg shadow-md w-full max-w-sm">
34         <h1 className="text-2xl font-bold mb-4">Login</h1>
35         {error && <p className="text-red-500 text-sm mb-4">{error}</p>}
36         <form onSubmit={handleLogin}>
37           <div className="mb-4">
38             <label htmlFor="email" className="block text-sm font-medium mb-1">
39               Email
40             </label>
41             <input
42               type="email"
43               id="email"
44               className="w-full px-3 py-2 border rounded-lg"
45               value={email}
46               onChange={e => setEmail(e.target.value)}
47               required
48             />
49           </div>
50           <div className="mb-4">
51             <label htmlFor="password" className="block text-sm font-medium mb-1">
52               Password
53             </label>
54             <input
55               type="password"
56               id="password"
57               className="w-full px-3 py-2 border rounded-lg"
58               value={password}
59               onChange={e => setPassword(e.target.value)}
60               required
61             />
62           </div>
63           <button
64             type="submit"
65             className="w-full bg-blue-500 text-white py-2 rounded-lg hover:bg-blue-600"
66           >
67             Login
68           </button>
69         </form>
70         <p className="text-sm">
71           Don't have an account? <a href="/register" className="text-blue-500 hover:underline">
72             Register here
73           </a>
74         </p>
75       </div>
76     </div>
77   );
78 };
79
80 export default LoginPage;
```

## 7. Register Component:

```
src > app > register > @ pagetox > ...
1 'use client';
2
3 import React, { useState } from 'react';
4 import { useRouter } from 'next/navigation';
5
6 const RegisterPage = () => {
7   const [name, setName] = useState('');
8   const [email, setEmail] = useState('');
9   const [password, setPassword] = useState('');
10   const [confirmPassword, setConfirmPassword] = useState('');
11   const [error, setError] = useState('');
12   const [success, setSuccess] = useState('');
13   const router = useRouter();
14
15   const handleRegister = (e: React.FormEvent) => {
16     e.preventDefault();
17     setError('');
18
19     if (password !== confirmPassword) {
20       setError("Passwords do not match.");
21       return;
22     }
23
24     const users = JSON.parse(localStorage.getItem('users') || '[]');
25     const userExists = users.find((user: any) => user.email === email);
26
27     if (userExists) {
28       setError("User already exists with this email.");
29       return;
30     }
31
32     const newUser = { name, email, password };
33     localStorage.setItem('users', JSON.stringify([...users, newUser]));
34     setSuccess('');
35
36     setTimeout(() => {
37       router.push('/login');
38     }, 2000);
39   };
40
41   return (
42     <div className="flex justify-center items-center min-h-screen bg-gray-100">
43       <div className="bg-white p-6 rounded-lg shadow-md w-full max-w-sm">
44         <h1 className="text-2xl font-bold mb-4">Register</h1>
45         {error && <p className="text-red-500 text-sm mb-4">{error}</p>}
46         {success && <p className="text-green-500 text-sm mb-4">Account created successfully! Redirecting to login...</p>}
47         <form onSubmit={handleRegister}>
48           <div className="mb-4">
49             <label htmlFor="name" className="block text-sm font-medium mb-1">
50               Name
51             </label>
52             <input
53               type="text"
54               id="name"
55               className="w-full px-3 py-2 border rounded-lg"
56               value={name}
57               onChange={e => setName(e.target.value)}
58               required
59             />
60           </div>
61           <div className="mb-4">
62             <label htmlFor="email" className="block text-sm font-medium mb-1">
63               Email
64             </label>
65             <input
66               type="email"
67               id="email"
68               className="w-full px-3 py-2 border rounded-lg"
69               value={email}
70               onChange={e => setEmail(e.target.value)}
71               required
72             />
73           </div>
74           <div className="mb-4">
75             <label htmlFor="password" className="block text-sm font-medium mb-1">
76               Password
77             </label>
78             <input
79               type="password"
80               id="password"
81               className="w-full px-3 py-2 border rounded-lg"
82               value={password}
83               onChange={e => setPassword(e.target.value)}
84               required
85             />
86           </div>
87           <div className="mb-4">
88             <label htmlFor="confirmPassword" className="block text-sm font-medium mb-1">
89               Confirm Password
90             </label>
91             <input
92               type="password"
93               id="confirmPassword"
94               className="w-full px-3 py-2 border rounded-lg"
95               value={confirmPassword}
96               onChange={e => setConfirmPassword(e.target.value)}
97               required
98             />
99           </div>
100           <button
101             type="submit"
102             className="w-full bg-blue-500 text-white py-2 rounded-lg hover:bg-blue-600"
103           >
104             Register
105           </button>
106         </form>
107         <p className="text-sm">
108           Already have an account? <a href="/login" className="text-blue-500 hover:underline">
109             login here
110           </a>
111         </p>
112       </div>
113     </div>
114   );
115 };
116
```



# Register

Name

Email

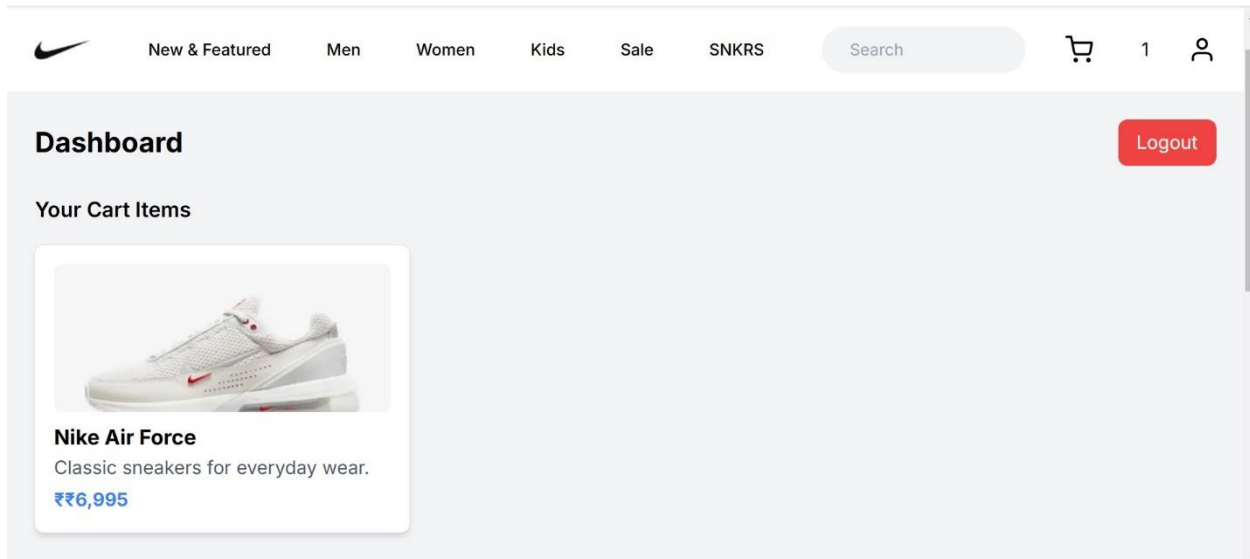
Password

Confirm Password

Register

Already have an account? [Login here](#)

## 8. Dashboard Component :

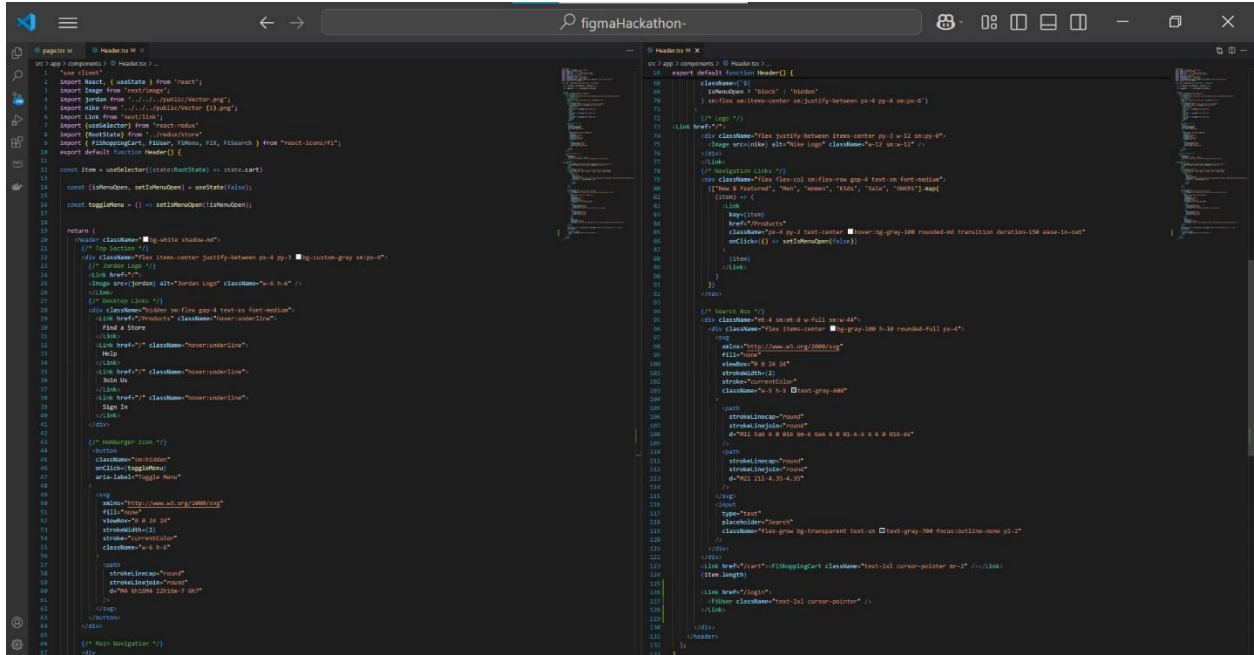


```

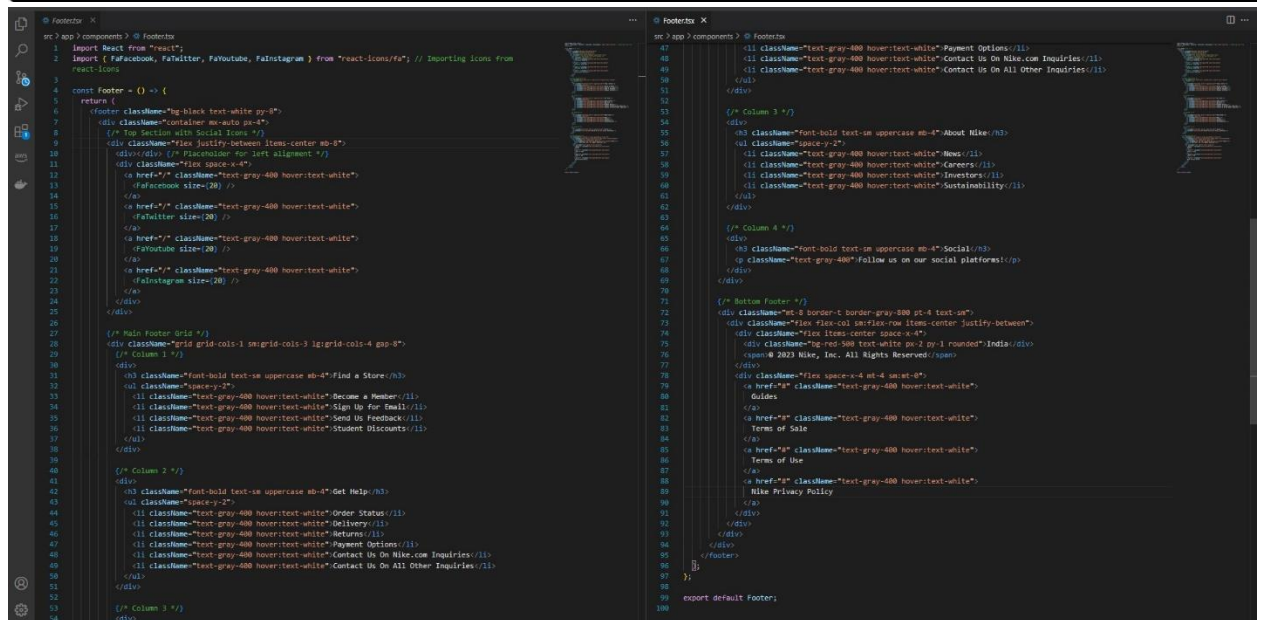
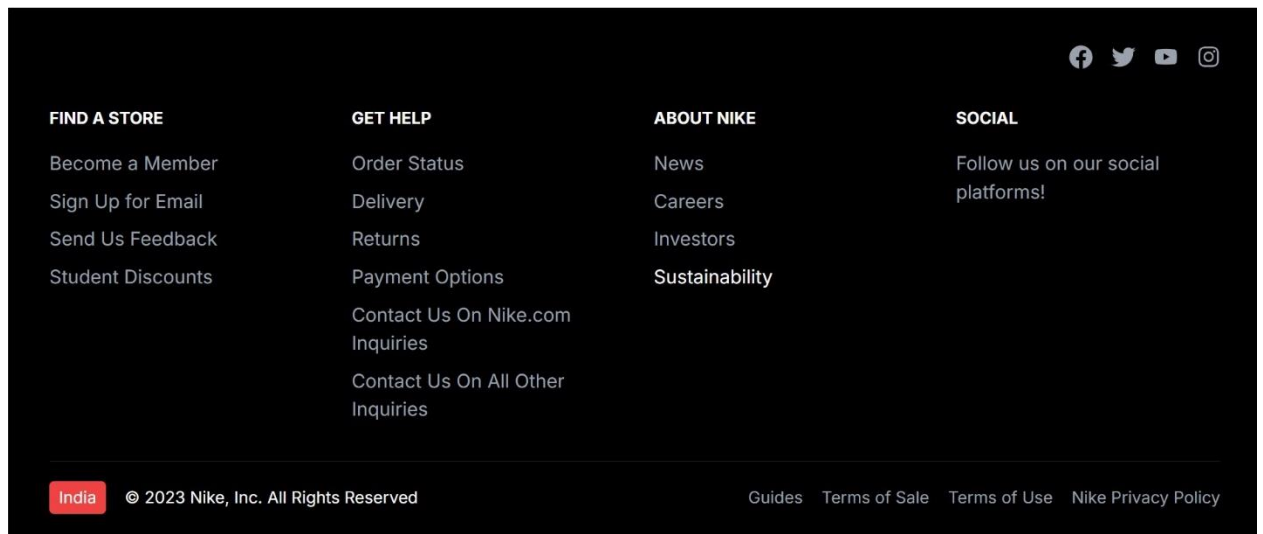
src > app > dashboard > @ pageho
58 'use client';
59
60 import React from 'react';
61 import { useSelector } from 'react-redux';
62 import { RootState } from '../redux/store';
63 import { useRouter } from 'next/navigation';
64
65 const Dashboard: React.FC = () => {
66   const router = useRouter();
67   const user = useSelector((state: RootState) => state.auth.user);
68   const cartItems = useSelector((state: RootState) => state.cart);
69
70   if (!user) {
71     router.push('/login'); // Redirect if user is not logged in
72     return null;
73   }
74
75   const orderHistory = [
76     {
77       id: 1,
78       date: '2023-01-01',
79       total: '$10,000',
80       items: ['Nike Air Force', 'Nike Yoga Wear'],
81     },
82     {
83       id: 2,
84       date: '2023-01-10',
85       total: '$5,000',
86       items: ['Nike Pegasus Trail'],
87     },
88   ];
89
90   return (
91     <div className="min-h-screen bg-gray-100 p-8">
92       <div className="text-2xl font-bold mb-6">Dashboard</div>
93
94       <div User Details >>
95         <div className="bg-white p-4 rounded-lg shadow-md mb-6">
96           <div className="text-lg font-semibold mb-4">User Details</div>
97           <p>username: <strong>(user.name || 'Not provided')</strong></p>
98           <p>email: <strong>(user.email || 'Not provided')</strong></p>
99           <p>saved address: <strong>(user.savedAddress || 'None')</strong></p>
100         </div>
101         <div className="list-disc pl-6">
102           <div>123 Street, City, Country</div>
103           <div>456 Another Street, City, Country</div>
104         </div>
105       </div>
106
107       <div Order History >>
108         <div className="bg-white p-4 rounded-lg shadow-md mb-6">
109           <div className="text-lg font-semibold mb-4">Order History</div>
110           <div>{orderHistory.length === 0 ? 'No orders found.' : ''}</div>
111         </div>

```

## 9. Header Component:



## 10. Footer Component:



## Checklist for day 4

Frontend Component Development:



Styling and Responsiveness:



Code Quality:



Documentation and Submission:

