Technical Documentation Hacthon 2025
Day 4 – Dynamic Components and Functionalities
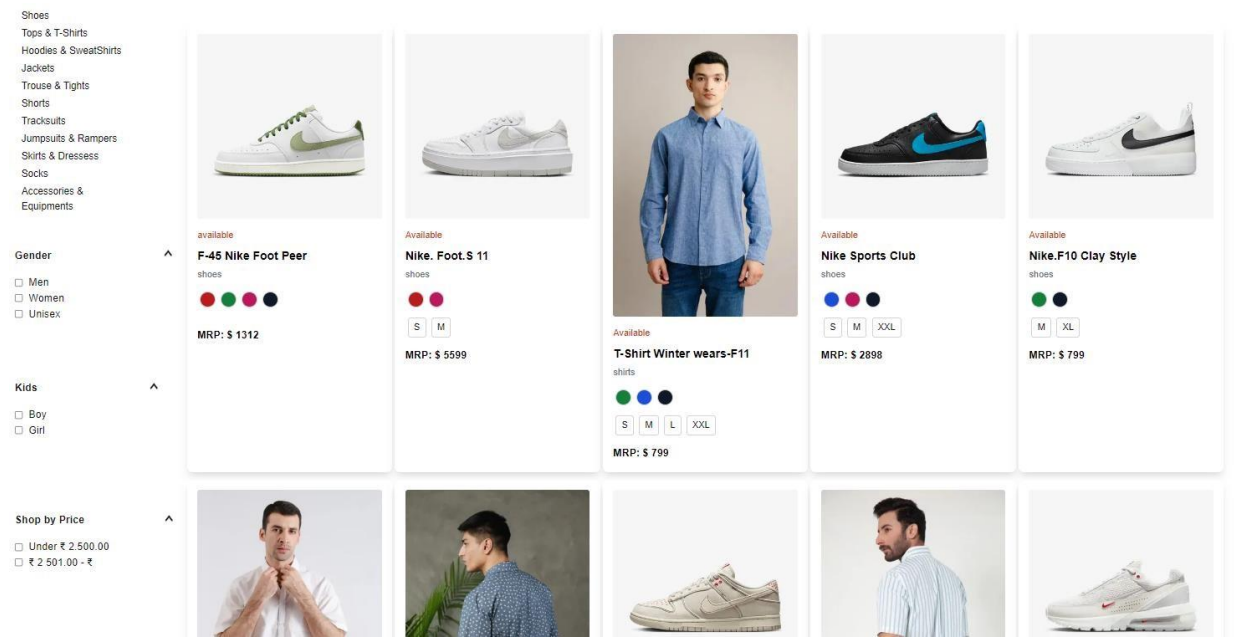# General Ecommerce Site

Functionalities Overview:

The project implements following functionalities.

1. Product Listing Page
2. Dynamic routes
3. Add to Cart function
4. Checkout Page
5. SubTotal Calculation
6. Middleware
7. Login/Logout
8. Cart page
9. Wish List Page
10. Product Details Slug

Product Listing Page

Code snippet of product listing page

```
tem.map((item: Product) => (
 <div
  key={item._id}
  className="main flex flex-col my-1 ■bg-white shadow-lg rounded-lg p-4 hover:shadow-2xl transition-shado
  style={{ width: "315px", height: "auto" }}
 >
  {/* Product Image */}
  <div className="product1">
  <Link href={`/product_details/${item.slug?.current || ""}`}>
        {item.imageUrl && (
          <Image
            alt={item.title}
            src={item.imageUrl}
            width={300}
            height={300}
            className="rounded"
          />
        )}
      </Link>
  </div>

  {/* Product Details */}
  <div className="product-details mt-4">
    <h1 className="■text-orange-700 font-medium text-sm">{item.status}</h1>
    <h2 className="□text-black font-semibold text-lg mt-2">{item.title}</h2>
    <p className="■text-gray-500 text-sm mt-1">{item.category}</p>

    {/* Colors */}
    <div className="colors mt-4 flex items-center">
     {Array.isArray(item.colors) && item.colors.includes("red") && (
       <button className="border-2 ■border-gray-300 mx-1 ■bg-red-700 rounded-full w-6 h-6"></button>
     )}
     {Array.isArray(item.colors) && item.colors.includes("green") && (
       <button className="border-2 ■border-gray-300 mx-1 ■bg-green-700 rounded-full w-6 h-6"></button>
     )}
     {Array.isArray(item.colors) && item.colors.includes("blue") && (
       <button className="border-2 ■border-gray-300 mx-1 ■bg-blue-700 rounded-full w-6 h-6"></button>
     )}
```

Code snippet of API integration

```jsx
useEffect(()=>{
  async function fetchitem() {

    try{
        const res = await fetch("/api/products");
        if(!res.ok){
          throw new Error("Failed to fetch Products!")
        }
        const data:[Product]= await res.json();
        console.log("check data",data);
        setitem(data);
    }
    catch(error){
      console.error("Error Fetching Products:",error);
    }
  }
  fetchitem();
},[]);



return (
  <div>
<section>
    <div className="□text-black text-nowrap flex"
    style={{height:"36px",marginLeft:"48px",marginTop:"60px"}}>
    <h1  style={{width:"110px",height:"32px",fontSize:"24px", lineHeight:"31.2px"}}
    >New (500)</h1>

    <h1 className="text-end ml-auto mx-3">Hide Filters</h1>
    <Image alt="image" width={24} height={24}
    src="/filter.png"/>


    <button className="flex mn 24 mx 4">Sort by
```

Product details page (slug) Code Snippets

```
try {
    await sanityClient.create({
        _type: "cart",
        title: product.title,
        price: product.price,
        quantity: 1,
        colors: product.colors,
        status: product.status,
        size:product.size,
        category: product.category,
        image: product.imageUrl,
    });
    window.alert("Product added to cart!");
} catch {
    window.alert("Failed to add product to cart!");
}


const handleAddToWish = async () => {
    const user = localStorage.getItem('user'); // Check if user data exists in localStorage

    if (!user) {
        router.push('/login'); // Redirect to login if not authenticated
    }

    else{

    try {
        await sanityClient.create({
            _type: "wish",
            title: product.title,
            price: product.price,
            quantity: 1,
            colors: product.colors,
            status: product.status,
            size:product.size,
            category: product.category,
            image: product.imageUrl,
        });
```

```
export async function getStaticProps(context: GetStaticPropsContext) {
    const { params } = context;
    const slug = params?.slug as string;

    const query = `*[_type == "product" && slug.current == $slug][0]{
        _id,
        title,
        price,
        quantity,
        colors,
        status,
        category,
        "imageUrl": image.asset->url
    }`;

    const product = await sanityClient.fetch(query, { slug });

    return {
        props: { product: product || null },
        revalidate: 10, // Regenerate the page every 10 seconds
    };
}

export async function getStaticPaths() {
    const query = `*[_type == "product"] {
        "slug": slug.current
    }`;

    const products = await sanityClient.fetch(query);

    const paths = products.map((product: { slug: string }) => ({
        params: { slug: product.slug },
    }));

    return {
        paths,
        fallback: true, // Enable fallback for on-demand paths
    };
}
```

Product details page (slug)

F-45 Nike Foot Peer

Category: shoes

Available Quantity: 6

Status: available

Colors: ● ● ● ●

Size:

$1312

Add to Cart   Add to Wish List

Checkout Page

New & Featured   Men   Women   Latest Products   Sale   Wish List

How would you like to get your order?

Customs regulation for India require a copy of the recipient's KYC. The address on the KYC needs to match the shipping address. Our courier will contact you via SMS/email to obtain a copy of your KYC. The KYC will be stored securely and used solely for the purpose of clearing customs (including sharing it with customs officials) for all orders and returns. If your KYC does not match your shipping address, please click the link for more information. Learn More

| 🖪   Deliver It |

Enter your name and address:

| First Name |

| Last Name |

| Adress Line 1 |
We do not ship to P.O. boxes

| Address Line 2 |

| Postal Code | Locality |

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 Men's Short-Sleeve Running Top
Qty 1
Size L
₹ 3 895.00

Nike Air Max 97 SE Men's Shoes
Qty 1
Size L
₹ 3 895.00

Login Page

New & Featured   Men   Women   Lat

**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. .

Login Page code snippets

```
// Handle form input changes
const handleChange = (e: React.ChangeEvent<HTMLInputElement>) => {
  const { name, value } = e.target;
  setFormData({ ...formData, [name]: value });
};

// Handle login submission
const handleLogin = async (e: React.MouseEvent<HTMLButtonElement>) => {
  e.preventDefault();

  try {
    const res = await fetch('/api/login', {
      method: 'POST',
      headers: { 'Content-Type': 'application/json' },
      body: JSON.stringify(formData),
    });

    const data = await res.json();
    if (res.ok) {
      // Store user data in cookies
      setCookie('user', JSON.stringify(data), {
        maxAge: 60 * 60 * 24, // Expires in 1 day
        path: '/',
      });
// Redirect after Login to previous page or home this will work as we also did adjustment to middleware
      const redirectTo = router.query.redirectTo as string;
      await router.push(redirectTo || '/');

    router.reload();
    } else {
      console.log("error",data.message); // Show error message
    }
  } catch {
    console.log("An error occur while proceeding please try again!");
  }
};
```

Cart Page

Nike

Bag

	Nike Glow Celebrator.T Men's Short-Sleeve Running Top Category:shoes Size L Quantity 1	MRP: ₹ 13131
	Nike. Foot.S 11 Men's Short-Sleeve Running Top Category:shoes Size L Quantity 1	MRP: ₹ 5599
	F-45 Nike Foot Peer Men's Short-Sleeve Running Top Category:shoes Size L Quantity 1	MRP: ₹ 1312
	Fany log Men's Short-Sleeve Running Top Category:Jogging Shoes Sizely:ground Quantity 1	MRP: ₹ 94

Summary

Subtotal	₹ 54299
Estimated Delivery & Handling	Free

Member Checkout

Wish List Page

Free Delivery
Applies to orders of ₹ 14,000.00 or more.

View details

Your Wishlist

	F-45 Nike Foot Peer Men's Short-Sleeve Running Top Category: shoes Size: Quantity: 1 Color: ● ● ● ● MRP: ₹ 1312	
	F-45 Nike Foot Peer Men's Short-Sleeve Running Top Category: shoes Size: Quantity: 1 Color: ● ● ● ● MRP: ₹ 1312	
	Nike. Foot.S 11 Men's Short-Sleeve Running Top Category: shoes Size: SM Quantity: 1 Color: ● ● MRP: ₹ 5599	
	Nike. Foot.S 11 Men's Short-Sleeve Running Top Category: shoes Size: SM Quantity: 1 Color: ● ● MRP: ₹ 5599	