

Hackathon 03

Day 04 Task

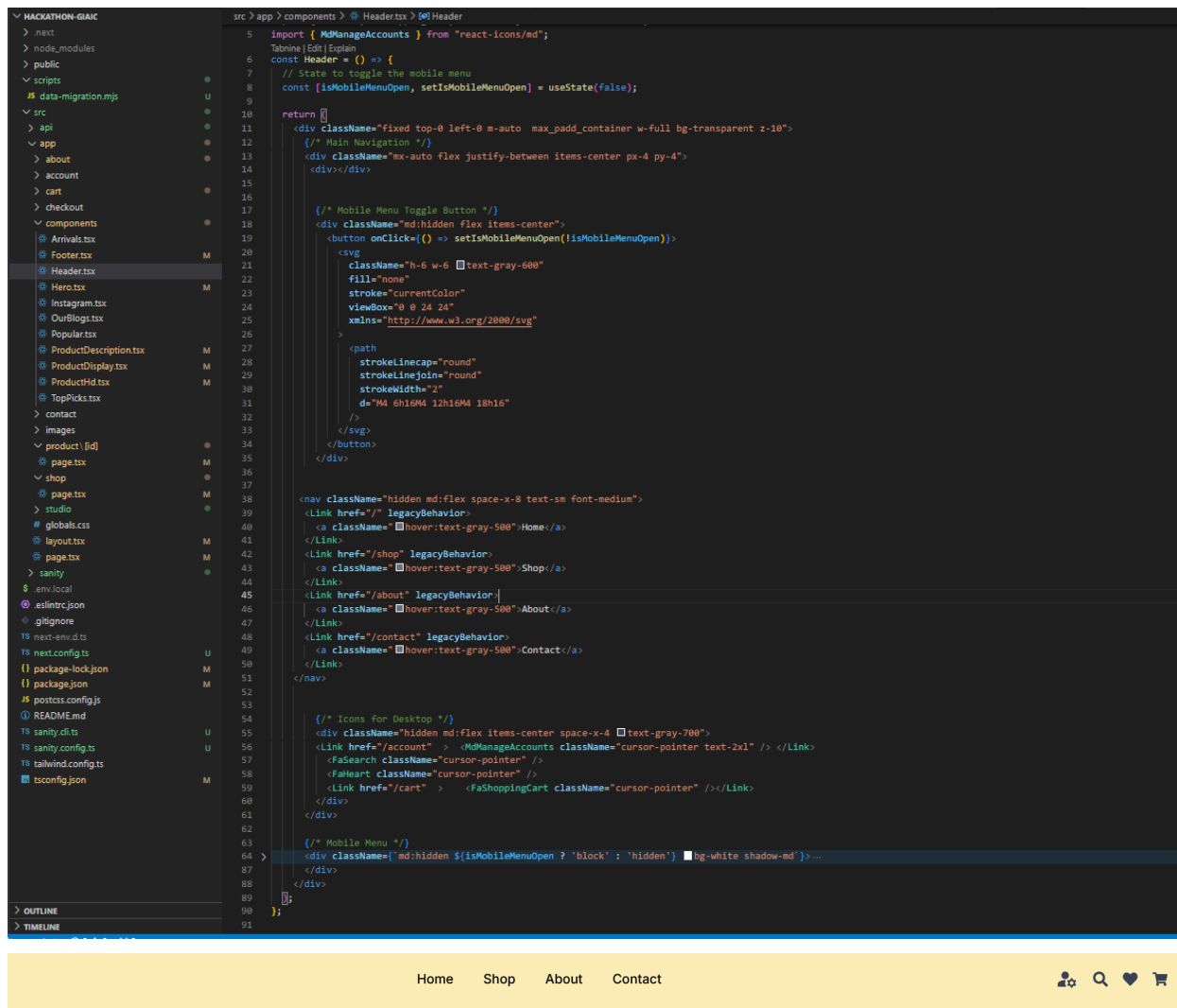
MUHAMMAD AMSAL 482160

I'll walk you through the components I used to build my e-commerce project and how I implemented dynamic routing to enhance the user experience. This project includes essential UI components such as the footer, header, product display, product description, hero section, our blogs, and a popular products section. Let's dive into the details!

Components Overview

1. Header Component

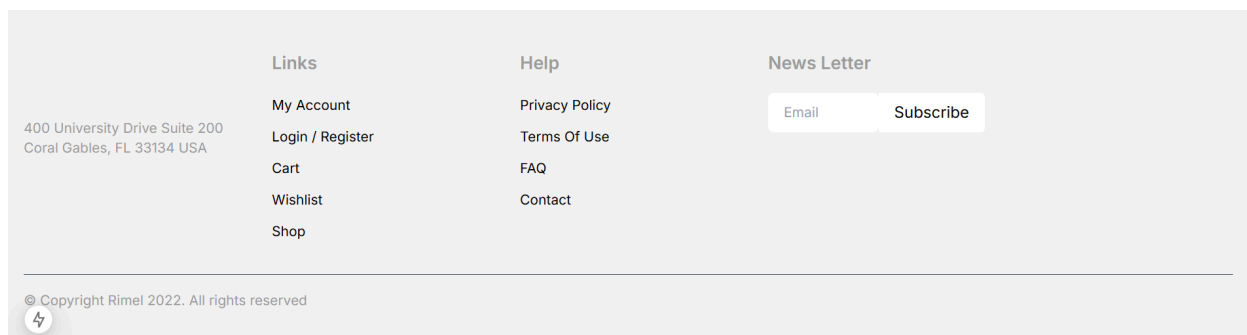
The **Header** component provides site-wide navigation and branding. It includes elements like the logo, navigation links, and a search bar to help users easily navigate the site.



2. Footer Component

The **Footer** component contains useful links, copyright information, and social media links. It ensures a consistent look across all pages and provides important contact details.

```
src > app > components > Footer > Footer
4 const Footer = () => {
9
10   /* Exclusive Section */
11   <div className="flex items-center" >
12     /* <h3 className="text-lg font-semibold mb-4">Exclusive</h3> */
13     <p className="mb-4 text-sm" >text-[#9F9F9F]>400 University Drive Suite 200 Coral Gables, FL 33134 USA</p>
14   </div>
15
16   /* Link Section */
17   <div>
18     <h3 className="text-lg font-semibold mb-4" >text-[#9F9F9F]>Links</h3>
19     <ul className="space-y-2" >text-black>
20       <li><a href="/account" className="text-sm hover:underline">My Account</a></li>
21       <li><a href="/account" className="text-sm hover:underline">Login / Register</a></li>
22       <li><a href="#" className="text-sm hover:underline">Cart</a></li>
23       <li><a href="#" className="text-sm hover:underline">Wishlist</a></li>
24       <li><a href="#" className="text-sm hover:underline">Shop</a></li>
25     </ul>
26   </div>
27
28   /* Help Section */
29   <div>
30     <h3 className="text-lg font-semibold mb-4" >text-[#9F9F9F]>Help</h3>
31     <ul className="space-y-2" >text-black>
32       <li><a href="#" className="text-sm hover:underline">Privacy Policy</a></li>
33       <li><a href="#" className="text-sm hover:underline">Terms Of Use</a></li>
34       <li><a href="#" className="text-sm hover:underline">FAQ</a></li>
35       <li><a href="#" className="text-sm hover:underline">Contact</a></li>
36     </ul>
37   </div>
38
39   /* News Letter Section */
40   <div >
41     <h3 className="text-lg font-semibold mb-4" >text-[#9F9F9F]>News Letter</h3>
42     <form className="flex" >
43       <input
44         type="email"
45         placeholder="Email"
46         className="px-4 py-2 w-full rounded-md bg-white placeholder-gray-400 text-sm text-black border-none focus:outline-none"
47       />
48       <button
49         type="submit"
50         className="bg-white text-black px-4 py-2 rounded-r"
51       >
52         Subscribe
53       </button>
54     </form>
55   </div>
56
57   /* Copyright */
58   <div className="mt-8 text-start border-t border-gray-700 pt-4 text-sm">
59     <p className="text-[#9F9F9F]" >© Copyright Rime! 2022. All rights reserved</p>
60   </div>
61 </div>
62 </Footer>
63 </>
64 export default Footer;
65
66
67
68
69
70
71
72
```



3. Hero Component

The **Hero** section is the first thing users see when they visit the homepage. It contains a large banner image, catchy text, and a call-to-action button to encourage users to explore further.

```
HACKATHON-GIAIC
> .next
> node_modules
> public
> scripts
  JS data-migration.mjs
  > src
    > api
    > app
      > about
      > account
      > cart
      > checkout
      > components
        ✨ Arrivals.tsx
        ✨ Footer.tsx
        ✨ Header.tsx
        ✨ Hero.tsx
        ✨ Instagram.tsx
        ✨ OurBlogs.tsx
        ✨ Popular.tsx
        ✨ ProductDescription.tsx
        ✨ ProductDisplay.tsx
        ✨ ProductHd.tsx
        ✨ TopPicks.tsx
      > contact
      > images
      > product { [id]
        ✨ page.tsx
      > shop
        ✨ page.tsx
  > OUTLINE

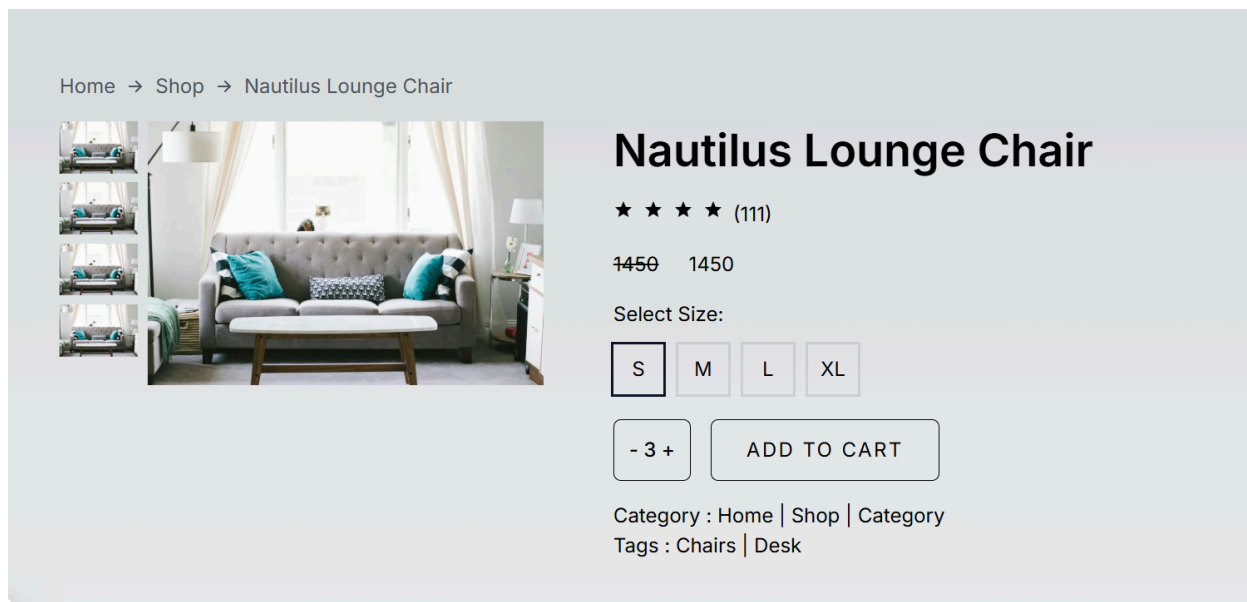
src > app > components > Hero.tsx > Hero
1 import React from "react";
2 import hero from "@app/images/hero.png"
3 import Image from 'next/image'
  Tabnine | Edit | Test | Explain | Document
4 export default function Hero() {
5
6
7
8   return (
9     <section className="relative bg-[#FBE8B5] bg-cover bg-center pl-[20px] h-[1000px] bg-no-repeat w-full m pb-16 " >
10       <div className="top-36 flex justify-around items-center max-md:flex-col max-md:pt-[150px] " >
11         <div className="font-medium width-[1440px] height-[900px] " ><h1 className="text-5xl leading-tight" >Rocket Single <br/>Seater
12         <h3 className="mt-4 border-b-2 border-black w-1/3 text-xl" >Shop Now</h3>
13       </div>
14       <div><Image src={hero} width={853} height={1000} className="scale-x-[-1]" alt="HeroImg" /></div>
15     </div>
16   </section>
17 );
18 }
19
20
```



4. Product Display Component

The **Product Display** component dynamically lists all the products available on the platform. Each product card includes an image, title, price, and an 'Add to Cart' button.

```
src > app > components > ProductDisplay.jsx > ProductDisplay.jsx
1 import { MdStar } from "react-icons/md";
2 import Image from "next/image";
3
4 import { StaticImageData } from "next/image";
5
6 type Product = {
7   _id: string;
8   name: string;
9   description: string;
10  price: number;
11  imageUrl: string;
12 }
13
14 function ProductDisplay({ product }: { product: Product }) {
15   if (!product) {
16     return (
17       <div>
18         <h1>Product not found</h1>
19       </div>
20     );
21   }
22
23   return (
24     <section>
25       <div className="flex flex-col gap-14 xl:flex-row">
26         {/* Left Side */}
27         <div className="flex gap-x-2 xl:flex-1">
28           <div className="flex flex-col gap-[7px] flex-wrap">
29             <img src={product.imageUrl} alt="Thumbnail 1" width={99} height={99} />
30             <img src={product.imageUrl} alt="Thumbnail 2" width={99} height={99} />
31             <img src={product.imageUrl} alt="Thumbnail 3" width={99} height={99} />
32             <img src={product.imageUrl} alt="Thumbnail 4" width={99} height={99} />
33           </div>
34           <div>
35             <img src={product.imageUrl} alt={ `Image of ${product.name}` } width={500} height={500} />
36           </div>
37         </div>
38         {/* Right Side */}
39         <div className="flex flex-col flex xl:flex-1">
40           <h1 className="text-[32px] leading-tight md:text-[36px] md:leading-[1.3] mb-4 font-sembold">{product.name}</h1>
41           <div className="flex gap-x-2 text-secondary medium-22">
42             <MdStar />
43             <MdStar />
44             <MdStar />
45             <MdStar />
46             <MdStar />
47           </div>
48           <div className="flex gap-x-6 medium-20 my-4">
49             <div className="line-through">{product.price}</div>
50             <div className="text-secondary">{product.price}</div>
51           </div>
52           <div className="mb-4">
53             <div className="border p-3 rounded-md">
54               <div className="flex gap-3 my-3">
55                 <div className="ring-2 ring-slate-900 h-10 w-10 flex items-center justify-center cursor-pointer">S</div>
56                 <div className="ring-2 ring-slate-900 h-10 w-10 flex items-center justify-center cursor-pointer">M</div>
57                 <div className="ring-2 ring-slate-900 h-10 w-10 flex items-center justify-center cursor-pointer">L</div>
58                 <div className="ring-2 ring-slate-900 h-10 w-10 flex items-center justify-center cursor-pointer">XL</div>
59               </div>
60               <div className="border p-3 rounded-md max-w-[550px] mt-5">
61                 <div className="border p-3 rounded-md border-black my-auto font-medium cursor-pointer">
62                   - 3 +
63                 </div>
64                 <button className="medium-15 ml-4 border border-black bg-transparent px-7 py-3 text-black transition-all hover:bg-black hover:text-white rounded-md uppercase regular-14 tracking-widest">
65                   ADD TO CART
66                 </button>
67               </div>
68             </div>
69           </div>
70         </div>
71       </div>
72     </section>
73   );
74 }
```



5. Product Description Component

When a user clicks on a product, they are taken to the **Product Description** page, which provides in-depth details about the selected product, including specifications, reviews, and related items.

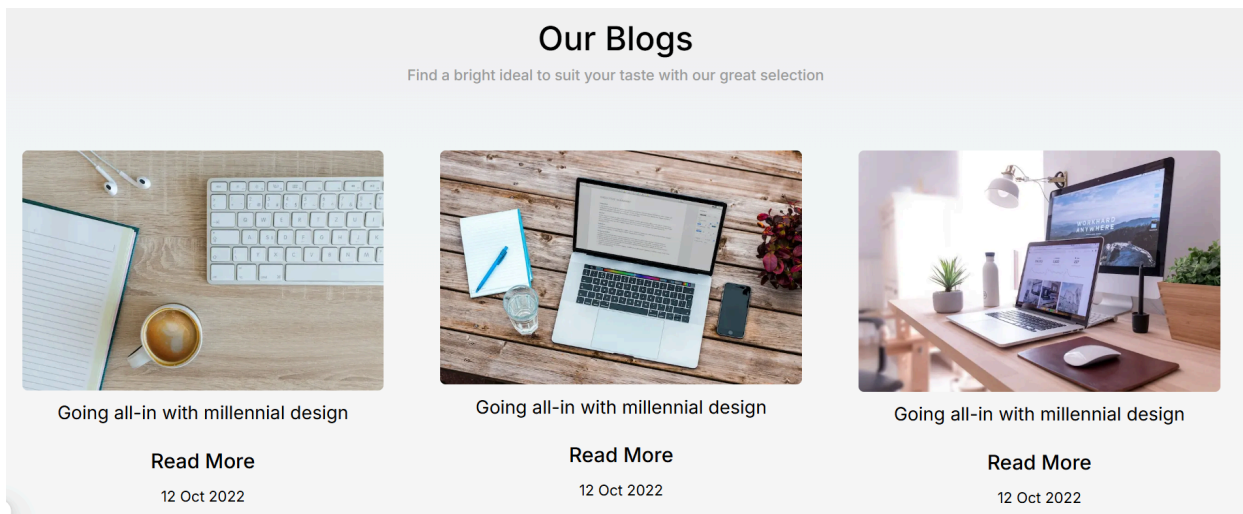
```
src > app > components > ProductDescription.jsx > ProductDescription
Tabnine | Edit | Text | Explain | Document
1 export default function ProductDescription() {
2   return (
3     <div className="mt-20">
4       <div className="flex gap-3 mb-4 max-sm:gap-1">
5         <button className="medium-15 border border-green-90 bg-black px-7 max-sm:px-3 text-white transition-all rounded-none {text-xs {py-[6px] w-36}">
6           Description
7         </button>
8         <button className="medium-15 border border-green-90 bg-transparent max-sm:px-3 px-7 text-green-90 transition-all hover:bg-black hover:text-white rounded-none {text-xs {py-[6px] w-36}">
9           Additional Information
10        </button>
11        <button className="medium-15 border border-green-90 bg-transparent px-7 max-sm:px-3 text-green-90 transition-all hover:bg-black hover:text-white rounded-none {text-xs {py-[6px] w-36}">
12          Reviews
13        </button>
14      </div>
15      <div className="flex flex-col pb-16">
16        <p className="text-sm">
17          Lorem Ipsum is simply dummy text of the printing and typesetting
18          industry. Lorem Ipsum has been the industry standard dummy text ever
19          since the 1500s when an unknown printer took a galley of type and
20          scrambled it to make a type specimen book
21        </p>
22        <p className="text-sm">
23          Lorem Ipsum is simply dummy text of the printing and typesetting
24          industry. Lorem Ipsum has been the industry standard dummy text ever
25          since the 1500s when an unknown printer took a galley of type and
26          scrambled it to make a type specimen book
27        </p>
28      </div>
29    </div>
30  );
31 }
32
```

Description	Additional Information	Reviews
Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry standard dummy text ever since the 1500s when an unknown printer took a galley of type and scrambled it to make a type specimen book		
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6. Our Blogs Component

The **Our Blogs** section features informative articles related to our products and industry trends. This component helps engage users and improve SEO.

```
src > app > components > OurBlogs.tsx > OurBlogs
1 import React from 'react'
2 import Image from 'next/image'
3 import img7 from '../images/img7.jpeg'
4 import img8 from '../images/img8.jpeg'
5 import img9 from '../images/img9.jpeg'
6
7 function OurBlogs() {
8   return (
9     <div>
10       <div className='flex items-center flex-col p-[50px]' >
11         <h1 className='text-[36px] font-medium' >Our Blogs</h1>
12         <p className='font-medium text-[#9F9F9F] text-[16px]' >Find a bright ideal to suit your taste with our great selection</p>
13       </div>
14
15       <div>
16         <div className='flex justify-around p-[20px] max-md:grid max-md:grid-cols-2 max-sm:grid-cols-1' >
17           <div className='ml-3 max-md:mt-8' >
18             <Image src={img7} height={393} width={393} alt='product' className='rounded-md' />
19             <p className='text-[20px] text-center p-[10px]' >Going all-in with millennial design</p>
20             <h3 className='text-[22px] font-medium text-center p-[10px]' >Read More</h3>
21             <p className='text-[16px] font-normal text-center' >12 Oct 2022</p>
22           </div>
23           <div className='ml-3 max-md:mt-8' >
24             <Image src={img8} height={393} width={393} alt='product' className='rounded-md' />
25             <p className='text-[20px] text-center p-[10px]' >Going all-in with millennial design</p>
26             <h3 className='text-[22px] font-medium text-center p-[10px]' >Read More</h3>
27             <p className='text-[16px] font-normal text-center' >12 Oct 2022</p>
28           </div>
29           <div className='ml-3 max-md:mt-8' >
30             <Image src={img9} height={393} width={393} alt='product' className='rounded-md' />
31             <p className='text-[20px] text-center p-[10px]' >Going all-in with millennial design</p>
32             <h3 className='text-[22px] font-medium text-center p-[10px]' >Read More</h3>
33             <p className='text-[16px] font-normal text-center' >12 Oct 2022</p>
34           </div>
35         </div>
36       </div>
37     </div>
38   )
39 }
40
41 export default OurBlogs
```



7. Popular Products Component

The **Popular Products** section highlights trending items that are frequently purchased by customers. This section helps boost sales by showcasing best-sellers.

```
src > app > components > Popular.tsx > Popular
1 import React from 'react'
2 import img1 from '../images/img1.png'
3 import img2 from '../images/img2.png'
4 import Image from 'next/image'
5 export default function Popular() {
6   return (
7     <section className='bg-[#F4F4F4] min-h-[672px] flex w-full max-md:flex-col max-md:justify-center max-md:p-[10px]' >
8       <div className='flex-col' >
9         <Image src={img1} height={1641} width={1092} className='left-[-54px]' alt='popularImg' />
10        <h1 className='text-3xl pl-16 max-md:text-xl' >Side Table</h1>
11        <h3 className='mt-4 text-xl pl-16 max-md:text-sm' >View More</h3>
12        <hr className='border-b-2 ml-16 border-black w-1/6' />
13      </div>
14      <div className='flex-col' >
15        <Image src={img1} height={1641} width={1092} className='left-[-54px]' alt='popularImg' />
16        <h1 className='text-3xl pl-16 max-md:text-xl' >Side Table</h1>
17        <h3 className='mt-4 text-xl pl-16 max-md:text-sm' >View More</h3>
18        <hr className='border-b-2 ml-16 border-black w-1/6' />
19      </div>
20    </section>
21  )
22 }
23
```



Side Table

[View More](#)



Side Table

[View More](#)

Dynamic Routing Implementation

To enhance user experience, I implemented **dynamic routing**, which allows users to click on a product and be redirected to its dedicated product description page. Using React Router, I set up a route structure that dynamically generates pages based on the product ID.