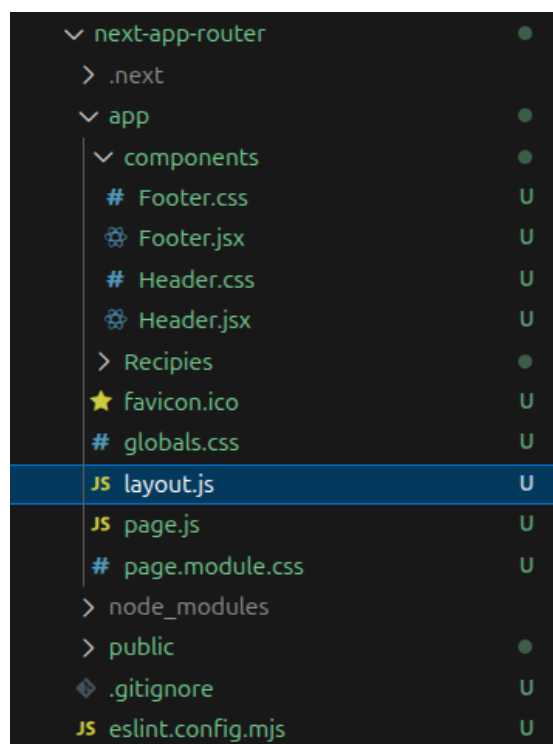


Module 4

Exercise4 (Intro to NextJs)

Q1.) Create 1st repo implemented with the App router implementation “next-app-router”.

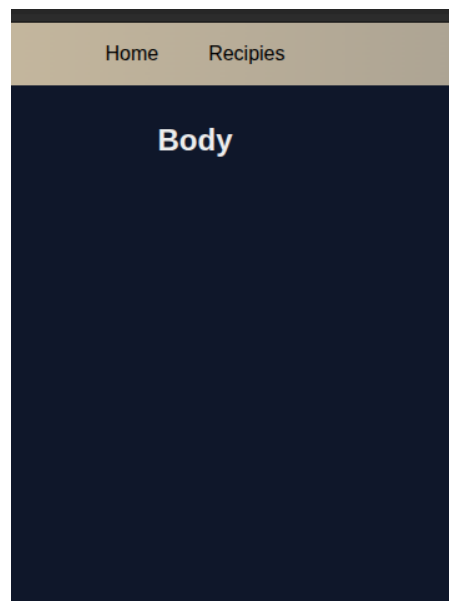
A 1.) NextJS



```
Exercise4 > next-app-router > app > page.js > Home
import styles from './page.module.css'

export default function Home() {
  return (
    <div className={styles.body}>
      <main>
        <h2>
          Body
        </h2>
      </main>
    </div>
  );
}
```

Output



Q2.) Create a Header and Footer components wrapping Homepage in ["layout.js"](#).

A2.) NextJs

Headerjs

```
Module4 > Exercise4 > next-app-router > app > components > Header.jsx > Header
1  import Link from "next/link";
2  import './Header.css'
3  export default function Header(){
4      return(
5          <div className="header">
6              <nav>
7                  <Link href="/" className="link">Home</Link>
8                  <Link href="/Recipies" className="link">Recipies</Link>
9              </nav>
10         </div>
11     );
12 }
```

Footerjs

```
Module4 > Exercise4 > next-app-router > app > components > Footer.jsx > Footer
1  import './Footer.css'
2  export default function Footer(){
3      return(
4          <div className="footer">
5              <h3>Recipies</h3>
6              <span>The copyright of Recipies belongs to me since 2026</span>
7          </div>
8      );
9  }
```

Layout.js

```
Module4 > Exercise4 > next-app-router > app > JS layout.js > RootLayout
1  import { Geist, Geist_Mono } from "next/font/google";
2  import "../globals.css";
3  import Header from "../components/Header";
4  import Footer from "../components/Footer";
5
6  const geistSans = Geist({
7    variable: "--font-geist-sans",
8    subsets: ["latin"],
9  });
10
11  const geistMono = Geist_Mono({
12    variable: "--font-geist-mono",
13    subsets: ["latin"],
14  });
15
16  export const metadata = {
17    title: "Create Next App",
18    description: "Generated by create next app",
19  };
20
21  export default function RootLayout({ children }) {
22    return (
23      <div>
24        <Header/>
25        <html lang="en">
26          <body className={` ${geistSans.variable} ${geistMono.variable}`}>
27            {children}
28          </body>
29        </html>
30        <Footer/>
31      </div>
32    );
33  }
34
```

Output

Home Recipes

Recipes The copyright of Recipes belongs to me since 2026

Q3.) Create a Page “Recipies” calling API <https://dummyjson.com/recipes> and displaying 10 recipes having column “name”, “prepTimeMinutes”, “servings” and “id” in a table and should be accessible on /Recipies route.

A3.) NextJs

```
Module4 > Exercise4 > next-app-router > app > Recipies > page.jsx > Recipies
1  import '@app/Recipies/page.css'
2  const RecipiesFetch = async (api)=>{
3    const res=await fetch(api);
4    return res.json();
5  }
6  export default async function Recipies(){
7    const {recipes}=await RecipiesFetch("https://dummyjson.com/recipes")
8    return(
9      <div className="recipies">
10        <h2>Recipies</h2>
11        <table>
12          <thead>
13            <tr>
14              <th>
15                Id
16              </th>
17              <th>
18                Name
19              </th>
20              <th>
21                Prep Time In Minutes
22              </th>
23              <th>
24                Serving
25              </th>
26            </tr>
27          </thead>
28          <tbody>
29            {recipes.slice(0,10).map(({id,name,prepTimeMinutes,servings}, i) => (
30              <tr key={i}>
31                <td>{id}</td>
32                <td>{name}</td>
33                <td>{prepTimeMinutes}</td>
34                <td>{servings}</td>
35              </tr>
36            ))}
37          </tbody>
38        </table>
39      </div>
40    )
  }
```

Output

Home Recipies			
Recipies			
ID	NAME	PREP TIME IN MINUTES	SERVING
1	Classic Margherita Pizza	20	4
2	Vegetarian Stir-Fry	15	3
3	Chocolate Chip Cookies	15	24
4	Chicken Alfredo Pasta	15	4
5	Mango Salsa Chicken	15	3
6	Quinoa Salad with Avocado	20	4
7	Tomato Basil Bruschetta	15	6
8	Beef and Broccoli Stir-Fry	20	4
9	Caprese Salad	10	2
10	Shrimp Scampi Pasta	15	3

Q4.) Create 2nd repo implemented with Page router implementation “next-page-router”. Create Header and Footer components wrapping homepage in “_app.js”.

A4.) NextJs

HeaderJs

```
Module4 > Exercise4 > next-page-router > pages > components > Header.jsx > Header
1  import Link from "next/link";
2  import styles from './Header.module.css'
3  export default function Header(){
4      return(
5          <div className={styles.header}>
6              <nav>
7                  <Link href="/" className={styles.link}>Home</Link>
8                  <Link href="/Products" className={styles.link}>Products</Link>
9              </nav>
10         </div>
11     );
12 }
```

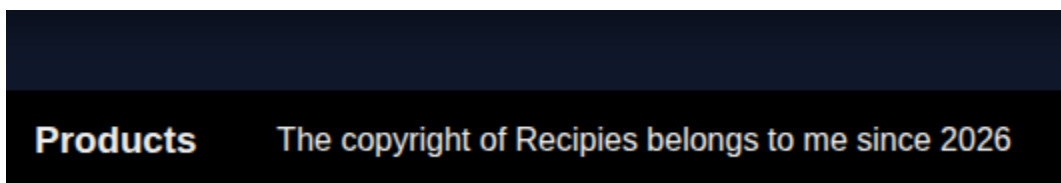
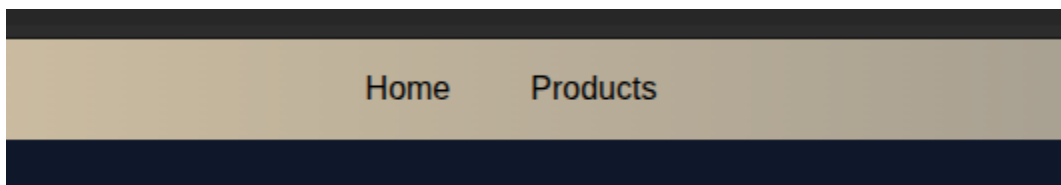
FooterJS

```
Module4 > Exercise4 > next-page-router > pages > components > Footer.jsx > Footer
1  import styles from './Footer.module.css'
2  export default function Footer(){
3      return(
4          <div className={styles.footer}>
5              <h3>Products</h3>
6              <span>The copyright of Recipies belongs to me since 2026</span>
7          </div>
8      );
9  }
```

_app.js

```
Module4 > Exercise4 > next-page-router > pages > JS _app.js > App
1  import "@styles/globals.css";
2  import Header from "../components/Header";
3  import Footer from "../components/Footer";
4
5  export default function App({ Component, pageProps }) {
6    return (
7      <>
8        <Header/>
9        <Component {...pageProps} />
10       <Footer/>
11     </>
12   )
13
14 }
```

Output



Q5.) Create a Page “Products” calling API <https://dummyjson.com/products> and displaying 10 products having column "id","title","description","category","price" in a table and should be accessible on /Products route.

A5.) NextJs

```
Module4 > Exercise4 > next-page-router > pages > Products.jsx > Products
1  import styles from '../styles/Products.module.css'
2  export async function getServerSideProps(){
3      const res = await fetch("https://dummyjson.com/products")
4      const data = await res.json();
5      return{
6          props:{
7              products:data.products,
8          },
9      };
10 }
11
12 export default function Products({products}){
13     return(
14         <div className={styles.products}>
15             <h2>Products</h2>
16             <table>
17                 <thead>
18                     <tr>
19                         <th>Id</th>
20                         <th>Title</th>
21                         <th>Category</th>
22                         <th>Description</th>
23                         <th>Price</th>
24                     </tr>
25                 </thead>
26                 <tbody>
27                     {products.slice(0,10).map(({id,title,category,description,price},i)=>(
28                         <tr key={i}>
29                             <td>{id}</td>
30                             <td>{title}</td>
31                             <td>{category}</td>
32                             <td>{description}</td>
33                             <td>{price}</td>
34                         </tr>
35                     ))}
36                 </tbody>
37             </table>
38         </div>
39     )
40 }
```

Output

00/Products

Home	Products			
Products				
ID	TITLE	CATEGORY	DESCRIPTION	PRICE
1	Essence Mascara Lash Princess	beauty	The Essence Mascara Lash Princess is a popular mascara known for its volumizing and lengthening effects. Achieve dramatic lashes with this long-lasting and cruelty-free formula.	9.99
2	Eyeshadow Palette with Mirror	beauty	The Eyeshadow Palette with Mirror offers a versatile range of eyeshadow shades for creating stunning eye looks. With a built-in mirror, it's convenient for on-the-go makeup application.	19.99
3	Powder Canister	beauty	The Powder Canister is a finely milled setting powder designed to set makeup and control shine. With a lightweight and translucent formula, it provides a smooth and matte finish.	14.99
4	Red Lipstick	beauty	The Red Lipstick is a classic and bold choice for adding a pop of color to your lips. With a creamy and pigmented formula, it provides a vibrant and long-lasting finish.	12.99
5	Red Nail Polish	beauty	The Red Nail Polish offers a rich and glossy red hue for vibrant and polished nails. With a quick-drying formula, it provides a salon-quality finish at home.	8.99
6	Calvin Klein CK One	fragrances	CK One by Calvin Klein is a classic unisex fragrance, known for its fresh and clean scent. It's a versatile fragrance suitable for everyday wear.	49.99