**BHARATIYA VIDYA BHAVAN’S**

**SARDAR PATEL INSTITUTE OF TECHNOLOGY**

**Munshi nagar, Andheri (W), Mumbai - 400058**

**(Autonomous Institute Affiliated to University of Mumbai)**

**[Department of Computer Science and Engineering (Master of Computer Applications)]**

**CLASS: F.Y. MCA SEM: I AY:24-25**

**COURSE CODE: MC504 SUBJECT NAME: WEB TECHNOLOGY LAB**

**ROLL NO.: 2024510001 BATCH: A**

**NAME: Atharva Vasant Angre**

**EXPERIMENT NO: 07**

**EXPERIMENT TITLE:** Create a React application with a user-friendly form that includes validation, submission, and reset functionalities.

**Problem Statement**: Design and develop a Single Page Application (SPA) for an e-commerce platform using React and React Router. This application should provide a seamless browsing and shopping experience with fast navigation across different pages. The application should feature pages for Home, Product Listing, Product Details, Cart, Checkout, and Order Confirmation. Users should be able to add products to their cart, view detailed information about each product, and complete the checkout process within the same page load.

# Requirements

**Application Structure & Routing**:

1. Use react-router-dom to set up client-side routing for different pages.
2. Configure routes for each section of the application:
   1. **Home**: Displays featured products and promotions.
   2. **Product Listing**: Shows all available products with filtering options (e.g., by category or price).
   3. **Product Details**: Provides detailed information on a selected product.
   4. **Cart**: Allows users to view items they have added to their shopping cart.
   5. **Checkout**: Lets users enter their shipping information to complete the order. Keep COD Option
   6. **Order Confirmation**: Displays a summary of the order after successful checkout.
3. Set up a **404 Page** for handling any undefined routes.

# Product Listing and Details:

1. **Product Listing** should display all products in a grid format with filters for category and price range.
2. Clicking on a product should navigate to the **Product Details** page, which uses a dynamic route (e.g., /products/:productId) to fetch and display specific details about the selected product, such as price, description, and images.

# Cart Management:

1. The **Cart** page should allow users to view products they’ve added, modify quantities, and remove items.
2. Show a summary of the total cost and the number of items in the cart.
3. The cart's state should persist across pages as the user navigates the app.

# Checkout Process:

The **Checkout** page should capture user details like shipping address and payment information.

1. Validate form inputs before allowing users to proceed with the order.
2. Upon successful submission, redirect the user to the **Order Confirmation**

page.

# Order Confirmation:

After completing a purchase, display an **Order Confirmation** page showing a summary of the order, including product details, shipping information, and total amount paid.

# Responsive Design:

The application should be fully responsive, providing a user-friendly experience on both desktop and mobile devices.

# Navigation and User Experience:

1. Include a header with links to **Home**, **Product Listing**, and **Cart**, along with a cart icon displaying the item count.
2. Use the navigation bar to let users move seamlessly across pages.
3. Prevent full-page reloads when navigating between routes for a fast, SPA experience.

# 404 Page:

Display a custom **404 Page Not Found** message if users navigate to an undefined route.

# Constraints

* **State Management**: Use React’s useState and useContext (or another state management solution if needed) to manage the cart state and persist it across pages.
* **Error Handling**: Implement basic error handling, particularly for fetching product details.
* **Form Validation**: Ensure the checkout form is validated to prevent incomplete or incorrect information.

This Application will create a responsive, interactive, and user-friendly e-commerce SPA where users can browse, add to cart, and complete purchases in a seamless and efficient way.

**Code**:

App.jsx

// import React from "react";

// import HomePage from "./components/Homepage";

// function App() {

//   return (

//     <div className="App">

//       <HomePage />

//     </div>

//   );

// }

// export default App;

import React from "react";

import { BrowserRouter as Router, Routes, Route } from "react-router-dom";

import HomePage from "./components/Homepage";

import ProductDetailPage from "./components/productDetailsPage";

import CartPage from "./components/CartPage";

import Checkout from "./components/CheckoutPage";

import OrderConfirmation from "./components/OrderConfirmationPage";

import Error from "./components/Error";

function App() {

  return (

    <Router>

      <div className="App">

        <Routes>

          <Route path="/" element={<HomePage />} />

          <Route path="/productsDetailsPage" element={<ProductDetailPage />} />

          <Route path="/cart" element={<CartPage />} />

          <Route path="/checkout" element={<Checkout />} />

          <Route path="/order-confirmation" element={<OrderConfirmation />} />

          <Route path="/error" element={<Error />} />

        </Routes>

      </div>

    </Router>

  );

}

export default App;

-----------------------------------------

HomePage.jsx

import React from "react";

import { FontAwesomeIcon } from "@fortawesome/react-fontawesome";

import {

  faMapMarkerAlt,

  faPhone,

  faEnvelope,

  faComments,

} from "@fortawesome/free-solid-svg-icons";

import { faInstagram, faFacebook } from "@fortawesome/free-brands-svg-icons";

import "../components/style.css";

import brandLogo from "D:/SPIT-FYMCA/WT PRAC/LAB 7/lab\_7/src/assets/images/brand\_logo.png";

import shoeMain from "D:/SPIT-FYMCA/WT PRAC/LAB 7/lab\_7/src/assets/images/NIKE+REVOLUTION+7.jpeg";

import shoe1 from "D:/SPIT-FYMCA/WT PRAC/LAB 7/lab\_7/src/assets/images/shoe1.png";

import shoe2 from "D:/SPIT-FYMCA/WT PRAC/LAB 7/lab\_7/src/assets/images/shoe2.png";

import shoe3 from "D:/SPIT-FYMCA/WT PRAC/LAB 7/lab\_7/src/assets/images/shoe3.png";

import shoe4 from "D:/SPIT-FYMCA/WT PRAC/LAB 7/lab\_7/src/assets/images/shoe4.png";

import shoe5 from "D:/SPIT-FYMCA/WT PRAC/LAB 7/lab\_7/src/assets/images/shoe5.png";

import shoe6 from "D:/SPIT-FYMCA/WT PRAC/LAB 7/lab\_7/src/assets/images/shoe6.png";

import shoe7 from "D:/SPIT-FYMCA/WT PRAC/LAB 7/lab\_7/src/assets/images/shoe7.png";

import shoe8 from "D:/SPIT-FYMCA/WT PRAC/LAB 7/lab\_7/src/assets/images/shoe8.png";

import flipkartLogo from "D:/SPIT-FYMCA/WT PRAC/LAB 7/lab\_7/src/assets/images/flipkart.png";

import amazonLogo from "D:/SPIT-FYMCA/WT PRAC/LAB 7/lab\_7/src/assets/images/amazon.png";

import { useNavigate } from "react-router-dom";

const HomePage = () => {

  const navigate = useNavigate();

  return (

    <div>

      {/\* Header Section \*/}

      <header>

        <div className="logo-container">

          <img src={brandLogo} alt="Brand Logo" />

          <p id="jdi">JUST DO IT!</p>

        </div>

        <nav className="nav-menu">

          <p className="header-item">

            <a

              href="#products"

              style={{

                textDecoration: "none",

                color: "#000",

                fontWeight: "500",

              }}

            >

              Products

            </a>

          </p>

          <p className="header-item">

            <a

              href="#outlets"

              style={{

                textDecoration: "none",

                color: "#000",

                fontWeight: "500",

              }}

            >

              Outlets

            </a>

          </p>

          <p className="header-item">

            <a

              href="#contactUs"

              style={{

                textDecoration: "none",

                color: "#000",

                fontWeight: "500",

              }}

            >

              Contact

            </a>

          </p>

        </nav>

        <div className="auth-buttons">

          <button id="reg">Register</button>

          <button id="sig">Sign In</button>

        </div>

      </header>

      {/\* Home Section \*/}

      <section id="Home">

        <div style={{ marginLeft: "7.5%" }}>

          <div style={{ display: "flex" }}>

            <div style={{ width: "50%" }}>

              <div style={{ fontSize: "80px", fontWeight: "900" }}>

                <p>

                  YOUR FEET

                  <br />

                  DESERVE

                  <br />

                  THE BEST

                </p>

              </div>

              <div

                style={{

                  fontSize: "larger",

                  width: "50%",

                  fontWeight: "500",

                  marginTop: "0.5%",

                }}

              >

                Experience unmatched comfort and style with shoes crafted for

                every step. Because your feet deserve nothing but the best.

              </div>

            </div>

            <div style={{ marginTop: "5%", transform: "rotate(-20deg)" }}>

              <img id="shoe" src={shoeMain} alt="Shoe" />

            </div>

          </div>

          <div style={{ marginTop: "2%" }}>

            <a href="https://www.nike.com/in/" target="\_blank" rel="noreferrer">

              <button id="shopNow">Shop Now</button>

            </a>

          </div>

          <div style={{ marginTop: "2%" }}>

            Also available on

            <br />

            <br />

            <div

              style={{

                display: "flex",

                width: "100px",

                justifyContent: "space-between",

              }}

            >

              <a

                href="https://www.flipkart.com/mens-footwear/nike~brand/pr?sid=osp%2Ccil&p%5B%5D=facets.brand%255B%255D%3DNIKE"

                target="\_blank"

                rel="noreferrer"

              >

                <img src={flipkartLogo} alt="Flipkart" />

              </a>

              <a

                href="https://www.amazon.in/s?k=nike+shoes"

                target="\_blank"

                rel="noreferrer"

              >

                <img id="amazon" src={amazonLogo} alt="Amazon" />

              </a>

            </div>

          </div>

        </div>

      </section>

      {/\* Products Section \*/}

      <section id="products">

        <div style={{ margin: "7.5%" }}>

          <h1>Products</h1>

          <br />

          <div

            style={{

              display: "flex",

              overflowX: "auto",

              width: "100%",

              maxHeight: "400px",

              padding: "10px",

            }}

          >

            {[

              {

                id: 1,

                name: "Nike Downshifter 13",

                price: 4295,

                img: shoe1,

                descSmall: "Men's Road Running Shoes",

              },

              {

                id: 2,

                name: "Nike Dunk Low Retro",

                price: 8295,

                img: shoe2,

                descSmall: "Men's Shoes",

              },

              {

                id: 3,

                name: "Nike Air Max Ishod",

                price: 9207,

                img: shoe3,

                descSmall: "Men's Shoes",

              },

              {

                id: 4,

                name: "Nike Legend Essential 3 Next Nature",

                price: 4995,

                img: shoe4,

                descSmall: "Men's Workout Shoes",

              },

              {

                id: 5,

                name: "Nike Impact 4",

                price: 8067,

                img: shoe5,

                descSmall: "Men's Workout Shoes",

              },

              {

                id: 6,

                name: "Nike Free RN NN",

                price: 8257,

                img: shoe6,

                descSmall: "Men's Road Running Shoes",

              },

              {

                // id: 9,

                name: "Nike Pegasus 41 Premium",

                price: 12795,

                img: shoe7,

                descSmall: "Men's Road Running Shoes",

              },

              {

                id: 8,

                name: "Nike ISPA Link Axis",

                price: 12795,

                img: shoe8,

                descSmall: "Men's Road Running Shoes",

              },

            ].map((shoe) => (

              <div

                key={shoe.id}

                className="shoeContainer"

                style={{ display: "inline-block", marginRight: "20px" }}

                onClick={() => navigate(`/productsDetailsPage?id=${shoe.id}`)}

              >

                <div style={{ textAlign: "center", width: "100%" }}>

                  <img

                    src={shoe.img}

                    style={{ width: "280px" }}

                    alt={shoe.name}

                  />

                  <h4>{shoe.name}</h4>

                  <p>{shoe.descSmall}</p>

                  <p>MRP : ₹ {shoe.price.toLocaleString()}</p>

                </div>

              </div>

            ))}

          </div>

        </div>

      </section>

      <section id="outlets">

        <div style={{ margin: "7.5%" }}>

          <h1>Visit Our Stores</h1>

          <br />

          <p style={{ fontSize: "larger", fontWeight: 500 }}>

            Step into one of our stores to experience our shoe collection in

            person! Whether you're looking for the latest styles, expert fitting

            advice, or just want to browse, our friendly team is here to help

            you find your perfect pair.

          </p>

          <br />

          <div style={{ display: "flex", justifyContent: "space-around" }}>

            {[

              {

                title: "Nike Jio World Drive",

                address: `G-32 & F-30, Jio World Drive Mall, Makers Maxity Avenue,

                  Near Family court, Bandra Kurla Complex, Bandra East Mumbai,

                  Maharashtra, 400051.`,

                hours: "Opens at 9:00 am • Closes at 10:00 pm",

              },

              {

                title: "Nike Colaba 1",

                address: `Shahid Bhagat Singh Marg, Colaba, Mumbai, Maharashtra, 400001.`,

                hours: "Opens at 9:00 am • Closes at 10:00 pm",

              },

              {

                title: "Nike Colaba 4",

                address: `Shop No. 2, Harbour View Bridge, 29 Colaba Causeway,

                  SBS Marg, Colaba Mumbai, Maharashtra, 400005.`,

                hours: "Opens at 9:00 am • Closes at 10:00 pm",

              },

              {

                title: "Nike Mumbai",

                address: `Unit No: G-3B, Block 17 G1, Courtyard, High Street Phoenix

                  Mall, Lower Parel West, Mumbai, Maharashtra, 400013.`,

                hours: "Opens at 9:00 am • Closes at 10:00 pm",

              },

              {

                title: "Nike Linking 6",

                address: `Ground floor, Plot No 85, Ramee Emerald-II Linking Road,

                  Opp. ICICI Bank Mumbai, Maharashtra, 400054.`,

                hours: "Opens at 9:00 am • Closes at 10:00 pm",

              },

              {

                title: "Nike Seawood",

                address: `F-2-SH, SeaWoods Grand Central R-1, Sector-40 Node Nerul,

                  Seawood Railway station Navi Mumbai, Maharashtra, 400706.`,

                hours: "Opens at 9:00 am • Closes at 10:00 pm",

              },

            ].map((store, index) => (

              <div

                key={index}

                style={{

                  display: "flex",

                  width: 200,

                  border: "1px solid #000",

                  borderRadius: 5,

                  padding: 10,

                  alignItems: "center",

                }}

              >

                <div style={{ textAlign: "center", width: "100%" }}>

                  <FontAwesomeIcon

                    icon={faMapMarkerAlt}

                    style={{ fontSize: 30, display: "block", margin: "0 auto" }}

                  />

                  <h4>{store.title}</h4>

                  <p>{store.address}</p>

                  <p>{store.hours}</p>

                </div>

              </div>

            ))}

          </div>

        </div>

      </section>

      <section id="contactUs">

        <div style={{ margin: "7.5%" }}>

          <h1>Get in Touch with Us</h1>

          <br />

          <p style={{ fontSize: "larger", fontWeight: 500 }}>

            We’re here to help you step into your perfect pair! Whether you have

            questions about sizing, need assistance with an order, or want to

            know more about our latest styles, our team is ready to assist.

            Don’t hesitate to get in touch—we’d love to hear from you!

          </p>

          <br />

          <p style={{ fontSize: "large", fontWeight: 300 }}>Customer Care:</p>

          <br />

          <div style={{ display: "flex", justifyContent: "space-evenly" }}>

            {[

              {

                icon: faPhone,

                title: "Call Us",

                details: ["0008009190566", "9:00 - 22:00", "7 days a week"],

              },

              {

                icon: faEnvelope,

                title: "Email Us",

                details: ["We'll reply in five business days"],

              },

              {

                icon: faComments,

                title: "Chat With Us",

                details: ["9:00 - 22:00", "7 days a week"],

              },

            ].map((contact, index) => (

              <div key={index} style={{ textAlign: "center" }}>

                <FontAwesomeIcon

                  icon={contact.icon}

                  style={{ color: "black", fontSize: "30px" }}

                />

                <p>{contact.title}</p>

                {contact.details.map((line, idx) => (

                  <p key={idx}>{line}</p>

                ))}

              </div>

            ))}

          </div>

          <br />

          <div style={{ display: "flex", justifyContent: "center" }}>

            <p>

              Connect on Social Media: Stay in the loop with our latest

              collections, exclusive promotions, and customer stories. Follow us

              on social media:

            </p>

          </div>

          <br />

          <div style={{ display: "flex", justifyContent: "space-evenly" }}>

            {[

              {

                icon: faInstagram,

                description:

                  "For sneak peeks, style inspiration, and behind-the-scenes action.",

              },

              {

                icon: faFacebook,

                description:

                  "Join our community for product updates and exclusive deals.",

              },

            ].map((social, index) => (

              <div key={index} style={{ textAlign: "center" }}>

                <FontAwesomeIcon

                  icon={social.icon}

                  style={{ fontSize: "30px", color: "black" }}

                />

                <p>{social.description}</p>

              </div>

            ))}

          </div>

        </div>

      </section>

    </div>

  );

};

export default HomePage;

--------------------------------------------------

ProductDetailsPage.jsx

import React, { useState, useEffect } from "react";

import { useLocation } from "react-router-dom";

import { FontAwesomeIcon } from "@fortawesome/react-fontawesome";

import {

  faMapMarkerAlt,

  faCartShopping,

  faShoppingCart,

} from "@fortawesome/free-solid-svg-icons";

import brandLogo from "D:/SPIT-FYMCA/WT PRAC/LAB 7/lab\_7/src/assets/images/brand\_logo.png";

import shoe1 from "D:/SPIT-FYMCA/WT PRAC/LAB 7/lab\_7/src/assets/images/shoe1.png";

import shoe2 from "D:/SPIT-FYMCA/WT PRAC/LAB 7/lab\_7/src/assets/images/shoe2.png";

import shoe3 from "D:/SPIT-FYMCA/WT PRAC/LAB 7/lab\_7/src/assets/images/shoe3.png";

import shoe4 from "D:/SPIT-FYMCA/WT PRAC/LAB 7/lab\_7/src/assets/images/shoe4.png";

import shoe5 from "D:/SPIT-FYMCA/WT PRAC/LAB 7/lab\_7/src/assets/images/shoe5.png";

import shoe6 from "D:/SPIT-FYMCA/WT PRAC/LAB 7/lab\_7/src/assets/images/shoe6.png";

import shoe7 from "D:/SPIT-FYMCA/WT PRAC/LAB 7/lab\_7/src/assets/images/shoe7.png";

import shoe8 from "D:/SPIT-FYMCA/WT PRAC/LAB 7/lab\_7/src/assets/images/shoe8.png";

import flipkartLogo from "D:/SPIT-FYMCA/WT PRAC/LAB 7/lab\_7/src/assets/images/flipkart.png";

import amazonLogo from "D:/SPIT-FYMCA/WT PRAC/LAB 7/lab\_7/src/assets/images/amazon.png";

import { useNavigate } from "react-router-dom";

const ProductsDetailsPage = () => {

  const location = useLocation();

  const navigate = useNavigate();

  const queryParams = new URLSearchParams(location.search);

  const productId = queryParams.get("id");

  // Sample shoe data (replace this with real data fetching)

  const shoes = [

    {

      id: 1,

      name: "Nike Downshifter 13",

      description:

        "Whether you're starting your running journey or an expert eager to switch up your pace, the Downshifter 13 is down for the ride. With a revamped upper, cushioning and durability, it helps you find that extra gear or take that first stride towards chasing down your goals.",

      price: 4295,

      img: shoe1,

      descSmall: "Men's Road Running Shoes",

    },

    {

      id: 2,

      name: "Nike Dunk Low Retro",

      description:

        "Created for the hardwood but taken to the streets, the Nike Dunk Low Retro returns with crisp overlays and original team colours. This basketball icon channels '80s vibes with premium leather in the upper that looks good and breaks in even better. Modern footwear technology helps bring the comfort into the 21st century.",

      price: 8295,

      img: shoe2,

      descSmall: "Men's Shoes",

    },

    {

      id: 3,

      name: "Nike Air Max Ishod",

      description:

        "Infused with elements taken from iconic '90s hoops shoes, the Air Max Ishod is built with all the durability you need to skate hard. This creative twist on the original Ishod design features updated mesh, exposed Nike Air (with Max Air technology) and a cupsole that breaks in easily. Now step in and skate like you mean it.",

      price: 9207,

      img: shoe3,

      descSmall: "Men's Shoes",

    },

    {

      id: 4,

      name: "Nike Legend Essential 3 Next Nature",

      description:

        "Meet the trainer versatile enough to withstand the rigours of a fast-paced group class or a heavy day in the weight room. Equipped with a flat heel, high-abrasion materials and a flexible sole, it provides comfort and support that's ready to hit the gym. See the specks on the outsole? That means it's constructed with at least 8% Nike Grind material, made from scraps from the footwear-manufacturing process.�",

      price: 4995,

      img: shoe4,

      descSmall: "Men's Workout Shoes",

    },

    {

      id: 5,

      name: "Nike Impact 4",

      description:

        "Elevate your game and your hops. Charged with Max Air cushioning in the heel, this lightweight, secure shoe helps you get off the ground confidently and land comfortably. Plus, rubber wraps up the sides for added durability and stability.",

      price: 8067,

      img: shoe5,

      descSmall: "Men's Workout Shoes",

    },

    {

      id: 6,

      name: "Nike Free RN NN",

      description:

        "If it's freedom you crave, this road runner can help turn you loose. Feathery and flexible, its barefoot feel and Flyknit upper will have you freewheeling with joy, ready to go a few more strides.",

      price: 8257,

      img: shoe6,

      descSmall: "Men's Road Running Shoes",

    },

    {

      id: 7,

      name: "Nike Pegasus 41 Premium",

      description:

        "Responsive cushioning in the Pegasus provides an energised ride for everyday road running. Experience lighter-weight energy return with dual Air Zoom units and a ReactX foam midsole. Plus, improved engineered mesh on the upper decreases weight and increases breathability. Plus, an engineered lace toggle gives you a quick, adjustable fit.",

      price: 12795,

      img: shoe7,

      descSmall: "Men's Road Running Shoes",

    },

    {

      id: 8,

      name: "Nike ISPA Link Axis",

      description:

        "Continuing our journey to push the needle of Nike innovation, the ISPA Link Axis is an exploration into circular design with 100% recycled materials: Every part can be recycled, says the ISPA team. It represents progress over perfection—creating a product with a second life in mind. Guided by the principles of modularity and waste reduction, the design uses interlocking components of recycled Flyknit and plastic, as few materials as possible and zero glue. Experience the future of design in the present. And if or when you want to help extend the shoes life, simply drop em off at a participating Nike store for recycling.",

      price: 12795,

      img: shoe8,

      descSmall: "Men's Road Running Shoes",

    },

  ];

  // Find the shoe based on productId

  const shoe = shoes.find((shoe) => shoe.id.toString() === productId);

  console.log("Details");

  console.log(productId);

  console.log(shoe);

  const [selectedSize, setSelectedSize] = useState(null);

  // Function to handle size selection

  const selectSize = (size) => {

    setSelectedSize(size);

  };

  // Function to handle add to bag

  const addToCart = () => {

    if (!selectedSize) {

      alert("Please select a size before adding to the cart!");

      return;

    }

    const cart = JSON.parse(localStorage.getItem("cart")) || [];

    const productToAdd = {

      id: shoe.id,

      name: shoe.name,

      price: shoe.price,

      img: shoe.img,

      size: selectedSize,

    };

    cart.push(productToAdd);

    localStorage.setItem("cart", JSON.stringify(cart));

    alert(`${shoe.name} (Size: ${selectedSize}) has been added to your cart!`);

  };

  // Function to handle adding to favorites

  // const addToFavorites = () => {

  //   alert(`Added ${shoe.name} to favorites!`);

  // };

  if (productId == undefined) {

    navigate("/error");

  }

  return (

    <div>

      {/\* Header Section \*/}

      <header>

        <div className="logo-container">

          <img src={brandLogo} alt="Brand Logo" />

          <p id="jdi">JUST DO IT!</p>

        </div>

        <div className="cart-wishlist">

          <button

            id="wishlistbtn"

            onClick={() => {

              navigate("/cart");

            }}

          >

            <FontAwesomeIcon

              icon={faCartShopping}

              style={{

                fontSize: 30,

                display: "block",

                margin: "0 auto",

                color: "black",

              }}

            />

          </button>

        </div>

      </header>

      {/\* Product Details Section \*/}

      <div id="productDetails">

        <div>

          <img

            id="productImage"

            src={shoe.img}

            alt="Product Image"

            style={{ width: "280px" }}

          />

        </div>

        <div>

          <h2 id="productName">{shoe.name}</h2>

          <p id="productDescription">{shoe.descSmall}</p>

          <p id="productPrice">₹ {shoe.price.toLocaleString()}</p>

          <br></br>

          <div id="tax">

            <p>Inclusive of all taxes</p>

            <p>(Also includes all applicable duties)</p>

          </div>

          <br></br>

          <div id="addToBagBtn" onClick={addToCart}>

            Add to Cart

          </div>

          <br></br>

          {/\* <div id="favouriteBtn" onClick={addToFavorites}>

            Favourite

          </div> \*/}

        </div>

      </div>

      {/\* Size Selection Section \*/}

      <div style={{ display: "flex", justifyContent: "space-evenly" }}>

        <div id="shoeDescription">

          <h3>Description</h3>

          <p>{shoe.description}</p>

        </div>

        <div id="sizeDiv">

          <div id="sizeRow">

            <div className="shoeSize" onClick={() => selectSize("UK 6")}>

              <p>UK 6</p>

            </div>

            <div className="shoeSize" onClick={() => selectSize("UK 6.5")}>

              <p>UK 6.5</p>

            </div>

            <div className="shoeSize" onClick={() => selectSize("UK 7")}>

              <p>UK 7</p>

            </div>

          </div>

          <br></br>

          <div id="sizeRow">

            <div className="shoeSize" onClick={() => selectSize("UK 7.5")}>

              <p>UK 7.5</p>

            </div>

            <div className="shoeSize" onClick={() => selectSize("UK 8")}>

              <p>UK 8</p>

            </div>

            <div className="shoeSize" onClick={() => selectSize("UK 8.5")}>

              <p>UK 8.5</p>

            </div>

          </div>

          <br></br>

          <div id="sizeRow">

            <div className="shoeSize" onClick={() => selectSize("UK 9")}>

              <p>UK 9</p>

            </div>

            <div className="shoeSize" onClick={() => selectSize("UK 9.5")}>

              <p>UK 9.5</p>

            </div>

            <div className="shoeSize" onClick={() => selectSize("UK 10")}>

              <p>UK 10</p>

            </div>

          </div>

          <br></br>

          <div id="sizeRow">

            <div className="shoeSize" onClick={() => selectSize("UK 11")}>

              <p>UK 11</p>

            </div>

            <div className="shoeSize" onClick={() => selectSize("UK 11.5")}>

              <p>UK 11.5</p>

            </div>

            <div className="shoeSize" onClick={() => selectSize("UK 12")}>

              <p>UK 12</p>

            </div>

          </div>

        </div>

      </div>

    </div>

  );

};

export default ProductsDetailsPage;

------------------------------  
CartPage.jsx  
import React, { useState, useEffect } from "react";

import brandLogo from "D:/SPIT-FYMCA/WT PRAC/LAB 7/lab\_7/src/assets/images/brand\_logo.png";

import { useNavigate } from "react-router-dom";

const CartPage = () => {

  const navigate = useNavigate();

  const [cartItems, setCartItems] = useState([]);

  useEffect(() => {

    const cart = JSON.parse(localStorage.getItem("cart")) || [];

    setCartItems(cart);

  }, []);

  const removeFromCart = (id, size) => {

    const updatedCart = cartItems.filter(

      (item) => !(item.id === id && item.size === size)

    );

    localStorage.setItem("cart", JSON.stringify(updatedCart));

    setCartItems(updatedCart);

  };

  return (

    <div className="cart-page">

      {/\* Header Section \*/}

      <header className="cart-header">

        <div className="logo-container">

          <img src={brandLogo} alt="Brand Logo" className="brand-logo" />

          <p className="tagline">JUST DO IT!</p>

        </div>

        {cartItems.length > 0 && (

          <button

            className="checkout-button"

            onClick={() => navigate("/checkout")}

          >

            Checkout

          </button>

        )}

      </header>

      <h1 className="cart-title">Your Cart</h1>

      {cartItems.length === 0 ? (

        <p className="empty-cart">Your cart is empty.</p>

      ) : (

        <ul className="cart-list">

          {cartItems.map((item, index) => (

            <li key={`${item.id}-${item.size}-${index}`} className="cart-item">

              <img src={item.img} alt={item.name} className="cart-item-img" />

              <div className="cart-item-details">

                <strong className="cart-item-name">{item.name}</strong>

                <span className="cart-item-price">

                  ₹{item.price.toLocaleString()}

                </span>

                <span className="cart-item-size">Size: {item.size}</span>

              </div>

              <button

                className="remove-button"

                onClick={() => removeFromCart(item.id, item.size)}

              >

                Remove

              </button>

            </li>

          ))}

        </ul>

      )}

    </div>

  );

};

export default CartPage;

--------------------------------  
CheckoutPage.jsx  
import React, { useState } from "react";

import { useNavigate } from "react-router-dom";

const CheckoutPage = () => {

  const [formData, setFormData] = useState({

    name: "",

    address: "",

    city: "",

    state: "",

    zip: "",

    phone: "",

    paymentMethod: "COD",

  });

  const [error, setError] = useState("");

  const navigate = useNavigate();

  const handleChange = (e) => {

    const { name, value } = e.target;

    setFormData((prevData) => ({ ...prevData, [name]: value }));

  };

  const handleSubmit = (e) => {

    e.preventDefault();

    // Validate form inputs

    const { name, address, city, state, zip, phone } = formData;

    if (!name || !address || !city || !state || !zip || !phone) {

      setError("All fields are required!");

      return;

    }

    // Clear errors and proceed

    setError("");

    // Redirect to Order Confirmation Page

    navigate("/order-confirmation", { state: { formData } });

  };

  return (

    <div style={styles.container}>

      <h1 style={styles.header}>Checkout</h1>

      <form onSubmit={handleSubmit} style={styles.form}>

        {error && <p style={styles.error}>{error}</p>}

        <label style={styles.label}>

          Name:

          <input

            type="text"

            name="name"

            value={formData.name}

            onChange={handleChange}

            required

            style={styles.input}

          />

        </label>

        <label style={styles.label}>

          Address:

          <textarea

            name="address"

            value={formData.address}

            onChange={handleChange}

            required

            style={{ ...styles.input, height: "80px" }}

          />

        </label>

        <label style={styles.label}>

          City:

          <input

            type="text"

            name="city"

            value={formData.city}

            onChange={handleChange}

            required

            style={styles.input}

          />

        </label>

        <label style={styles.label}>

          State:

          <input

            type="text"

            name="state"

            value={formData.state}

            onChange={handleChange}

            required

            style={styles.input}

          />

        </label>

        <label style={styles.label}>

          ZIP Code:

          <input

            type="text"

            name="zip"

            value={formData.zip}

            onChange={handleChange}

            required

            style={styles.input}

          />

        </label>

        <label style={styles.label}>

          Phone Number:

          <input

            type="tel"

            name="phone"

            value={formData.phone}

            onChange={handleChange}

            required

            style={styles.input}

          />

        </label>

        <label style={styles.label}>

          Payment Method:

          <select

            name="paymentMethod"

            value={formData.paymentMethod}

            onChange={handleChange}

            style={styles.input}

          >

            <option value="COD">Cash on Delivery (COD)</option>

          </select>

        </label>

        <button type="submit" style={styles.button}>

          Place Order

        </button>

      </form>

    </div>

  );

};

const styles = {

  container: {

    maxWidth: "600px",

    margin: "50px auto",

    padding: "20px",

    border: "1px solid #ddd",

    borderRadius: "10px",

    backgroundColor: "#f9f9f9",

    boxShadow: "0 4px 6px rgba(0, 0, 0, 0.1)",

  },

  header: {

    textAlign: "center",

    marginBottom: "20px",

    fontSize: "28px",

    color: "#333",

  },

  form: {

    display: "flex",

    flexDirection: "column",

  },

  label: {

    marginBottom: "15px",

    fontSize: "16px",

    color: "#555",

  },

  input: {

    width: "100%",

    padding: "10px",

    fontSize: "16px",

    border: "1px solid #ccc",

    borderRadius: "5px",

    marginTop: "5px",

    boxSizing: "border-box",

  },

  button: {

    marginTop: "20px",

    padding: "10px 20px",

    fontSize: "18px",

    color: "#fff",

    backgroundColor: "#28a745",

    border: "none",

    borderRadius: "5px",

    cursor: "pointer",

    textAlign: "center",

  },

  buttonHover: {

    backgroundColor: "#218838",

  },

  error: {

    color: "red",

    marginBottom: "10px",

    textAlign: "center",

  },

};

export default CheckoutPage;

------------------------------------  
OrderConfirmationPage.jsx  
  
import React from "react";

import { useLocation, useNavigate } from "react-router-dom";

const OrderConfirmationPage = () => {

  const location = useLocation();

  const navigate = useNavigate();

  const { formData } = location.state || {};

  return (

    <div style={{ textAlign: "center", padding: "20px" }}>

      <h1>Order Confirmation</h1>

      {formData ? (

        <div>

          <p style={{ fontSize: "18px", margin: "20px 0" }}>

            <strong>Thank you for your order, {formData.name}!</strong>

          </p>

          <p>Your order has been placed successfully and will be shipped to:</p>

          <div

            style={{

              border: "1px solid #ddd",

              padding: "15px",

              margin: "10px auto",

              maxWidth: "400px",

              borderRadius: "8px",

              textAlign: "left",

            }}

          >

            <p>

              <strong>Address:</strong> {formData.address}, {formData.city},{" "}

              {formData.state}, {formData.zip}

            </p>

            <p>

              <strong>Phone:</strong> {formData.phone}

            </p>

            <p>

              <strong>Payment Method:</strong> {formData.paymentMethod}

            </p>

          </div>

          <p style={{ margin: "20px 0" }}>

            You will receive an email confirmation shortly. Your order will

            arrive within 5-7 business days.

          </p>

          <button

            style={{

              backgroundColor: "#28a745",

              color: "white",

              border: "none",

              padding: "10px 20px",

              borderRadius: "5px",

              cursor: "pointer",

              fontSize: "16px",

            }}

            onClick={() => navigate("/")}

          >

            Continue Shopping

          </button>

        </div>

      ) : (

        <div>

          <p>No order details found.</p>

          <button

            style={{

              backgroundColor: "#007bff",

              color: "white",

              border: "none",

              padding: "10px 20px",

              borderRadius: "5px",

              cursor: "pointer",

              fontSize: "16px",

            }}

            onClick={() => navigate("/cart")}

          >

            Go to Cart

          </button>

        </div>

      )}

    </div>

  );

};

export default OrderConfirmationPage;

Outputs:









