**Index.html**

**<!DOCTYPE html>**

**<html lang="en">**

**<head>**

**<meta charset="UTF-8" />**

**<link rel="icon" type="image/svg+xml" href="/vite.svg" />**

**<meta name="viewport" content="width=device-width, initial-scale=1.0" />**

**<link**

**href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css"**

**rel="stylesheet"**

**integrity="sha384-T3c6CoIi6uLrA9TneNEoa7RxnatzjcDSCmG1MXxSR1GAsXEV/Dwwykc2MPK8M2HN"**

**crossorigin="anonymous" />**

**<link**

**rel="stylesheet"**

**href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.4.2/css/all.min.css"**

**integrity="sha512-z3gLpd7yknf1YoNbCzqRKc4qyor8gaKU1qmn+CShxbuBusANI9QpRohGBreCFkKxLhei6S9CQXFEbbKuqLg0DA=="**

**crossorigin="anonymous"**

**referrerpolicy="no-referrer" />**

**<title>Shopping Cart using Redux- SHANMUGAM R</title>**

**</head>**

**<body>**

**<div id="root"></div>**

**<footer class="py-4">**

**<div class="container">**

**<div class="row">**

**<div class="col-md-4">**

**<ul class="list-unstyled">**

**<li><i class="fas fa-user"></i> SHANMUGAM R&copy;2023</li>**

**<li>**

**<i class="fab fa-github"></i>**

**<a href="https://github.com/Shanmugamrskfamily" target="\_blank">**

**GitHub**

**</a>**

**</li>**

**<li>**

**<i class="fab fa-linkedin"></i>**

**<a**

**href="https://www.linkedin.com/in/shanmugamrskfamily/"**

**target="\_blank">**

**LinkedIn**

**</a>**

**</li>**

**</ul>**

**</div>**

**<div class="col-md-8 text-end">**

**<ul class="list-unstyled">**

**<li>**

**<a href="mailto:shanmugamrskfamily@gmail.com"**

**><i class="far fa-envelope"></i>**

**shanmugamrskfamily@gmail.com</a**

**>**

**</li>**

**<li><i class="fas fa-phone"></i> +91 78000 78000</li>**

**</ul>**

**</div>**

**</div>**

**</div>**

**</footer>**

**<script type="module" src="/src/main.jsx"></script>**

**<script**

**src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/js/bootstrap.bundle.min.js"**

**integrity="sha384-C6RzsynM9kWDrMNeT87bh95OGNyZPhcTNXj1NW7RuBCsyN/o0jlpcV8Qyq46cDfL"**

**crossorigin="anonymous"></script>**

**</body>**

**</html>**

**App.css**

**.App {**

**text-align: center;**

**}**

**.App-logo {**

**height: 40vmin;**

**pointer-events: none;**

**}**

**@media (prefers-reduced-motion: no-preference) {**

**.App-logo {**

**animation: App-logo-spin infinite 20s linear;**

**}**

**}**

**.App-header {**

**background-color: #282c34;**

**min-height: 100vh;**

**display: flex;**

**flex-direction: column;**

**align-items: center;**

**justify-content: center;**

**font-size: calc(10px + 2vmin);**

**color: white;**

**}**

**.App-link {**

**color: #61dafb;**

**}**

**@keyframes App-logo-spin {**

**from {**

**transform: rotate(0deg);**

**}**

**to {**

**transform: rotate(360deg);**

**}**

**}**

**App.jsx**

**import "./App.css";**

**import Cart from "./components/Cart";**

**import Dashboard from "./components/Dashboard";**

**import RootLayout from "./components/RootLayout";**

**import {**

**createBrowserRouter,**

**createRoutesFromElements,**

**Route,**

**RouterProvider,**

**} from "react-router-dom";**

**function App() {**

**const router = createBrowserRouter(**

**createRoutesFromElements(**

**<Route path="/" element={<RootLayout />}>**

**<Route index element={<Dashboard />}></Route>**

**<Route path="/cart" element={<Cart />}></Route>**

**</Route>**

**)**

**);**

**return (**

**<div className="App">**

**<RouterProvider router={router} />**

**</div>**

**);**

**}**

**export default App;**

**index.css**

**body {**

**background: url("../public/assets/background.jpg");**

**margin: 0;**

**font-family: -apple-system, BlinkMacSystemFont, "Segoe UI", "Roboto", "Oxygen",**

**"Ubuntu", "Cantarell", "Fira Sans", "Droid Sans", "Helvetica Neue",**

**sans-serif;**

**-webkit-font-smoothing: antialiased;**

**-moz-osx-font-smoothing: grayscale;**

**}**

**code {**

**font-family: source-code-pro, Menlo, Monaco, Consolas, "Courier New",**

**monospace;**

**}**

**.shopping {**

**font-size: 35px;**

**font-weight: bold;**

**}**

**.card-products {**

**position: relative;**

**display: flex;**

**flex-wrap: wrap;**

**justify-content: space-evenly;**

**}**

**.card {**

**height: 400px;**

**width: 300px;**

**padding: 10px;**

**margin: 10px;**

**display: flex;**

**color: whitesmoke;**

**flex-direction: column;**

**background: rgba(15, 4, 89, 0.719);**

**box-shadow: 0 8px 32px 0 rgba(31, 38, 135, 0.37);**

**backdrop-filter: blur(4px);**

**-webkit-backdrop-filter: blur(4px);**

**border-radius: 10px;**

**border: 1px solid rgba(255, 255, 255, 0.18);**

**overflow: hidden;**

**}**

**.card:hover {**

**background-color: #051424;**

**box-shadow: 20px 20px 20px 20px rgba(191, 228, 27, 0.54);**

**}**

**.opt:hover {**

**background-color: #007bff;**

**}**

**.add {**

**background-color: #007bff;**

**color: #fff;**

**border: none;**

**border-radius: 4px;**

**padding: 10px 20px;**

**cursor: pointer;**

**transition: background-color 0.3s ease;**

**}**

**.NoItems {**

**position: absolute;**

**display: flex;**

**justify-content: center;**

**}**

**img {**

**width: 100%;**

**}**

**.InDe {**

**display: flex;**

**justify-content: space-between;**

**margin-bottom: 10px;**

**}**

**.text {**

**font-size: 20px;**

**font-weight: 400;**

**margin-bottom: 3px;**

**}**

**.price-total {**

**display: flex;**

**height: 30px;**

**}**

**.increament {**

**border: none;**

**border-radius: 50%;**

**}**

**footer {**

**margin-top: 400px;**

**color: whitesmoke;**

**background: rgba(15, 4, 89, 0.974);**

**box-shadow: 0 8px 32px 0 rgba(31, 38, 135, 0.37);**

**-webkit-backdrop-filter: blur(4px);**

**backdrop-filter: blur(4px);**

**border-radius: 15px;**

**border: 1px solid rgba(255, 255, 255, 0.18);**

**overflow: hidden;**

**}**

**/\* .NavB {**

**color: whitesmoke;**

**background: rgba(15, 4, 89, 0.974);**

**box-shadow: 0 8px 32px 0 rgba(31, 38, 135, 0.37);**

**backdrop-filter: blur(4px);**

**-webkit-backdrop-filter: blur(4px);**

**border-radius: 10px;**

**height: 5rem;**

**border: 1px solid rgba(255, 255, 255, 0.18);**

**overflow: inherit;**

**} \*/**

**.fixed-header {**

**position: sticky;**

**top: 0;**

**left: 0;**

**right: 0;**

**z-index: 1000;**

**border-radius: 15px;**

**border: 1px solid rgba(255, 255, 255, 0.2);**

**padding: 10px;**

**background: rgba(15, 4, 89, 0.974);**

**box-shadow: 0 8px 32px 0 rgba(31, 38, 135, 0.37);**

**backdrop-filter: blur(4px);**

**-webkit-backdrop-filter: blur(4px);**

**}**

**Main.jsx**

**import React from 'react'**

**import ReactDOM from 'react-dom/client'**

**import App from './App.jsx'**

**import './index.css'**

**ReactDOM.createRoot(document.getElementById('root')).render(**

**<React.StrictMode>**

**<App />**

**</React.StrictMode>,**

**)**

**COMPONENTS**

**Cart.jsx**

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

**import { useDispatch, useSelector } from "react-redux";**

**import Card from "react-bootstrap/Card";**

**import Button from "react-bootstrap/Button";**

**import { remove } from "../store/cartSlice";**

**const Cart = () => {**

**const dispatch = useDispatch();**

**const products = useSelector((state) => state.cart);**

**const [productCount, setProductCount] = useState(**

**products.reduce((counts, product) => {**

**counts[product.id] = 1; // Default count for each product is 1**

**return counts;**

**}, {})**

**);**

**const increaseCount = (productId) => {**

**setProductCount((prevCounts) => ({**

**...prevCounts,**

**[productId]: prevCounts[productId] + 1,**

**}));**

**};**

**const decreaseCount = (productId) => {**

**if (productCount[productId] > 1) {**

**setProductCount((prevCounts) => ({**

**...prevCounts,**

**[productId]: prevCounts[productId] - 1,**

**}));**

**} else {**

**// If quantity is 1 or below, remove the product from the cart**

**removeProduct(productId);**

**}**

**};**

**const removeProduct = (id) => {**

**dispatch(remove(id));**

**setProductCount((prevCounts) => {**

**const newCounts = { ...prevCounts };**

**delete newCounts[id];**

**return newCounts;**

**});**

**};**

**const calculateTotalPrice = () => {**

**let total = 0;**

**products.forEach((product) => {**

**total += product.price \* productCount[product.id];**

**});**

**return total;**

**};**

**const cards = products.map((product) => (**

**<div className="card-container" key={product.id}>**

**<div className="card-products">**

**<Card style={{ width: "18rem" }} className="cards">**

**<Card.Img**

**variant="top"**

**src={product.images}**

**style={{ width: "250px", height: "200px" }}**

**/>**

**<Card.Body>**

**<Card.Title>{product.title}</Card.Title>**

**<Card.Text>**

**Current Price: <i class="fa fa-inr"></i>**

**{product.price}**

**</Card.Text>**

**<div className="InDe">**

**<div className="price-total">**

**<Card.Text className="card-text">**

**Subtotal of product price:<i class="fa fa-inr"></i>{" "}**

**{product.price \* productCount[product.id] || product.price}**

**</Card.Text>**

**</div>**

**<div className="price-total">**

**<Button**

**variant="primary"**

**className="increament"**

**style={{ borderRadius: "50%" }}**

**onClick={() => decreaseCount(product.id)}**

**>**

**-**

**</Button>**

**<Card.Text className="text">**

**{productCount[product.id] || 1}**

**</Card.Text>**

**<Button**

**variant="primary"**

**className="increament"**

**style={{ borderRadius: "50%" }}**

**onClick={() => increaseCount(product.id)}**

**>**

**+**

**</Button>**

**</div>**

**</div>**

**<Button**

**variant="danger"**

**className="add mt-2"**

**onClick={() => removeProduct(product.id)}**

**>**

**Remove Item**

**</Button>**

**</Card.Body>**

**</Card>**

**</div>**

**</div>**

**));**

**return (**

**<>**

**<div className="text-white">**

**<span style={{ fontSize: 30 }}>My Cart</span> <br />**

**<span style={{ fontSize: 30 }}>**

**Grand Total:<i class="fa fa-inr"></i> {calculateTotalPrice()}**

**</span>**

**{products.length === 0 && (**

**<div className="NoItems">**

**<img**

**src="https://img.freepik.com/free-photo/funny-illustration-3d-cartoon-backpacker\_183364-80424.jpg?w=1380&t=st=1690967265~exp=1690967865~hmac=3a953df10987b13a88915a21662843501208169d499267818c9ff582e45e1ca6://cdni.iconscout.com/illustration/premium/thumb/before-login-no-product-in-cart-4006356-3309942.png"**

**alt="Cart Empty image"**

**/>**

**</div>**

**)}**

**<div className="card-products mb-4">{cards}</div>**

**</div>**

**</>**

**);**

**};**

**export default Cart;**

**Dashboard.jsx**

**import React from "react";**

**import Products from "./products";**

**const Dashboard = () => {**

**return (**

**<>**

**<Products />**

**</>**

**);**

**};**

**export default Dashboard;**

**NavBarPanel.jsx**

**import "bootstrap/dist/css/bootstrap.min.css";**

**import Container from "react-bootstrap/Container";**

**import Nav from "react-bootstrap/Nav";**

**import Navbar from "react-bootstrap/Navbar";**

**import { Link } from "react-router-dom";**

**import { useSelector } from "react-redux";**

**const NavBar = () => {**

**const CartProducts = useSelector((state) => state.cart);**

**return (**

**<Navbar expand="lg" className="NavB fixed-header">**

**<Container fluid>**

**<Navbar.Brand as={Link} to="/" className="text-white font-weight-bold">**

**<span className="shopping">Shopping Cart</span>**

**</Navbar.Brand>**

**<Navbar.Toggle aria-controls="navbarScroll" className="bg-light" />**

**<Navbar.Collapse className="justify-content-end">**

**<Nav>**

**<Nav.Link as={Link} to="/" className="text-white opt">**

**Products**

**</Nav.Link>**

**</Nav>**

**<Nav>**

**<Nav.Link as={Link} to="/cart" className="text-white opt">**

**My Cart ({CartProducts.length})**

**<i className="fa-solid fa-cart-shopping"></i>**

**</Nav.Link>**

**</Nav>**

**</Navbar.Collapse>**

**</Container>**

**</Navbar>**

**);**

**};**

**export default NavBar;**

**RootLayout.jsx**

**import React from "react";**

**import { Outlet } from "react-router-dom";**

**import NavBar from "./NavBarPanel";**

**import { Provider } from "react-redux";**

**import store from "../store/store";**

**const RootLayout = () => {**

**return (**

**<>**

**<Provider store={store}>**

**<NavBar />**

**<main>**

**<Outlet />**

**</main>**

**</Provider>**

**</>**

**);**

**};**

**export default RootLayout;**

**Products.jsx**

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

**import Card from "react-bootstrap/Card";**

**import Button from "react-bootstrap/Button";**

**import { useDispatch } from "react-redux";**

**import { add, remove } from "../store/cartSlice";**

**import { useSelector } from "react-redux/es/hooks/useSelector";**

**const Products = () => {**

**const CartProducts = useSelector((state) => state.cart);**

**const dispatch = useDispatch();**

**const isProductInCart = (productId) => {**

**for (let x of CartProducts) {**

**if (x.id === productId) {**

**return true;**

**}**

**}**

**return false;**

**};**

**console.log(CartProducts);**

**const toggleCart = (product) => {**

**if (isProductInCart(product.id)) {**

**dispatch(remove(product.id));**

**} else {**

**dispatch(add(product));**

**}**

**};**

**const [products, setProducts] = useState([]);**

**useEffect(() => {**

**fetch("/mocks/products.json")**

**.then((response) => response.json())**

**.then((result) => setProducts(result.products))**

**.catch((e) => console.log(e));**

**}, []);**

**const cards = products.map((product) => (**

**<div className="card-container" key={product.id}>**

**<div className="card-products">**

**<Card style={{ width: "18rem" }} className="cards">**

**<Card.Img**

**variant="top"**

**src={product.images}**

**style={{ width: "250px", height: "200px" }}**

**/>**

**<Card.Body>**

**<Card.Title>{product.title}</Card.Title>**

**<Card.Text>**

**Current Price: <i className="fa fa-inr"></i>**

**{product.price}**

**</Card.Text>**

**<Button**

**variant="primary"**

**className="add"**

**onClick={() => {**

**toggleCart(product);**

**}}**

**>**

**{isProductInCart(product.id) ? "Remove from Cart" : "Add to Cart"}**

**</Button>**

**</Card.Body>**

**</Card>**

**</div>**

**</div>**

**));**

**return (**

**<>**

**<h1 className="text-white">Shopping Cart Using React-Redux</h1>**

**<div className="card-products">{cards}</div>**

**</>**

**);**

**};**

**export default Products;**