Creating a react app using create-react-app

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" />

<title>React useContext</title>

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">

</head>

<body>

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

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

<script src="https://cdnjs.cloudflare.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/2.11.6/umd/popper.min.js"></script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/twitter-bootstrap/5.3.0/js/bootstrap.min.js"></script>

</body>

</html>

**In the src folder**

**Card.jsx**

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

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

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

**import { useUserContext } from "../ContextProvider";**

**const Card = () => {**

**const {**

**products,**

**setProducts,**

**cardAmount,**

**setCardAmount,**

**cardQuantity,**

**setCardQuantity,**

**} = useUserContext();**

**let a = 0;**

**return (**

**<>**

**{products.map((product, i) => {**

**const priceAfterDiscount = (**

**product.price -**

**product.price \* (product.discountPercentage / 100)**

**).toFixed(2);**

**const [quantity, setQuantity] = useState(1);**

**const [subTotal, setSubTotal] = useState(**

**(priceAfterDiscount \* quantity).toFixed(2)**

**);**

**useEffect(() => {**

**setSubTotal((priceAfterDiscount \* quantity).toFixed(2));**

**}, [quantity]);**

**useEffect(() => {**

**a = a + +subTotal;**

**setCardAmount(a);**

**}, []);**

**const handleQuantitySub = (priceAfterDiscount, quantity) => {**

**if (quantity > 1) {**

**setQuantity(quantity - 1);**

**setCardQuantity(cardQuantity - 1);**

**a = cardAmount - +priceAfterDiscount;**

**setCardAmount(a);**

**}**

**};**

**const handleQuantityAdd = (i, priceAfterDiscount, quantity) => {**

**if (products[i].stock > quantity) {**

**setQuantity(quantity + 1);**

**setCardQuantity(cardQuantity + 1);**

**setCardAmount(cardAmount + +subTotal);**

**console.log(a);**

**a = cardAmount + +priceAfterDiscount;**

**console.log(a);**

**setCardAmount(a);**

**}**

**};**

**const price = product.price;**

**const Dprice = price \* (product.discountPercentage / 100);**

**const [TotalSub, setTotalSub] = useState(**

**(priceAfterDiscount \* quantity).toFixed(2)**

**);**

**return (**

**<div className="col-12 d-flex justify-content-center align-items-center ">**

**<div**

**className="card mb-3"**

**style={{ width: "80%", borderRadius: "20px" }}**

**>**

**<div className="row g-0 ">**

**<div className="col-md-5 d-flex justify-content-center align-items-center">**

**<img**

**src={product.images}//[1] ? product.images[1] : product.images[0]**

**className="img-fluid product-img"**

**alt="..."**

**style={{ borderRadius: "30px" }}**

**/>**

**</div>**

**<div className="col-md-7 ">**

**<div className="row g-0">**

**<div className="col-md">**

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

**<div className="row">**

**<div className="col">**

**<h5 className="card-title">{product.title}</h5>**

**</div>**

**<div className="col">**

**<h5 className="card-title d-flex justify-content-end ">**

**${product.price}**

**</h5>**

**</div>**

**</div>**

**<div className="row">**

**<div className="col">**

**<p className="card-text">**

**<b>Brand : </b>**

**{product.brand}**

**</p>**

**</div>**

**<div className="col d-flex justify-content-end">**

**<p className="card-text text-success ">**

**Discount Offer : {product.discountPercentage}%**

**</p>**

**</div>**

**</div>**

**<div className="row">**

**<div className="col">**

**<p className="card-text">{product.description}</p>**

**</div>**

**<div className="col d-flex justify-content-end"></div>**

**</div>**

**<div className="row">**

**<div className="col">**

**<p className="card-text text-danger">**

**In Stock : {product.stock}**

**</p>**

**</div>**

**<div className="col d-flex justify-content-end"></div>**

**</div>**

**<div className="row">**

**<div className="col d-flex align-items-center">**

**<h5 className="review-stat">**

**Rating: {product.rating}**

**</h5>**

**</div>**

**<div className="col d-flex align-items-center justify-content-end">**

**<div>**

**<button**

**className="btn btn-secondary"**

**onClick={() =>**

**handleQuantitySub(**

**priceAfterDiscount,**

**quantity**

**)**

**}**

**>**

**-**

**</button>**

**<span> {quantity} </span>**

**<button**

**className="btn btn-secondary"**

**onClick={() =>**

**handleQuantityAdd(**

**i,**

**priceAfterDiscount,**

**quantity**

**)**

**}**

**>**

**+**

**</button>**

**</div>**

**</div>**

**</div>**

**<div className="row">**

**<div className="col small-ratings">**

**<i className="fa fa-star rating-color"></i>**

**<i className="fa fa-star rating-color"></i>**

**<i className="fa fa-star rating-color"></i>**

**<i className="fa fa-star rating-color"></i>**

**<i className="fa fa-star"></i>**

**</div>**

**<div className="col"></div>**

**</div>**

**<div className="row">**

**<div className="col card-text d-flex align-items-center ">**

**<small className="text-muted d-flex align-items-center">**

**Last updated 3 mins ago**

**</small>**

**</div>**

**<div className="col"></div>**

**</div>**

**</div>**

**</div>**

**</div>**

**<div className="row g-0 p-4 subtotal">**

**<div className="col ">**

**<div className="row">**

**<div className="card-title col">**

**Original Price (1 item) :**

**</div>**

**<div className="card-title col text-end">${price}</div>**

**</div>**

**<div className="row">**

**<div className="card-title col text-success">**

**Discount Amount :**

**</div>**

**<div className="card-title col text-end text-success">**

**${Math.round(price - (price - Dprice))}**

**</div>**

**</div>**

**<div className="row">**

**<div className="card-title col">**

**Final Price (Price - Discount) :**

**</div>**

**<div className="card-title col text-end ">**

**${priceAfterDiscount}**

**</div>**

**</div>**

**<div className="row">**

**<div className="card-title col d-flex align-items-center">**

**Sub-Total Amount (Final price \* Quantity) :**

**</div>**

**<div className="card-title col text-end fs-4 fw-normal">**

**${subTotal}**

**</div>**

**</div>**

**{/\* <div className="row">**

**<div className="card-title col d-flex align-items-center"></div>**

**<div className="card-title col text-end fs-4 fw-normal">**

**<button className="btn btn-primary">**

**Proceed to pay**

**</button>**

**</div>**

**</div> \*/}**

**</div>**

**</div>**

**</div>**

**</div>**

**</div>**

**</div>**

**);**

**})}**

**</>**

**);**

**};**

**export default Card;**

**footer.jsx**

**import React from "react";**

**function Footer() {**

**return (**

**<footer className="bg-dark text-light text-center py-3">**

**<div className="container">**

**<p>&copy; 2024 by NK. All rights reserved.</p>**

**</div>**

**</footer>**

**);**

**}**

**export default Footer;**

**header.jsx**

**import React from "react";**

**import { useUserContext } from "../ContextProvider";**

**function Header() {**

**const { cardQuantity, cardAmount } = useUserContext();**

**return (**

**<>**

**<header>**

**<div className="row bg-light d-flex justify-content-between align-items-center py-3">**

**<div className="col">TOTAL QTY: {cardQuantity}</div>**

**<div className="col">TOTAL Price : { (cardAmount).toFixed(2)}</div>**

**<div className="col-auto">**

**<button className="btn btn-primary">Proceed to pay</button>**

**</div>**

**</div>**

**</header>**

**</>**

**);**

**}**

**export default Header;**

**Navbar.jsx**

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

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

**import { useUserContext } from "../ContextProvider";**

**const Navbar = () => {**

**const { cardQuantity } = useUserContext();**

**return (**

**<nav className="navbar navbar-expand-lg navbar-dark bg-dark">**

**<div className="container-fluid">**

**<a className="navbar-brand" href="#">**

**Shopping Cart**

**</a>**

**<button**

**className="navbar-toggler"**

**type="button"**

**data-bs-toggle="collapse"**

**data-bs-target="#navbarNav"**

**aria-controls="navbarNav"**

**aria-expanded="false"**

**aria-label="Toggle navigation"**

**>**

**<span className="navbar-toggler-icon"></span>**

**</button>**

**<div className="collapse navbar-collapse" id="navbarNav">**

**<ul className="navbar-nav ms-auto">**

**<li className="nav-item">**

**<a className="nav-link" aria-current="page" href="#">**

**Home**

**</a>**

**</li>**

**<li className="nav-item">**

**<a className="nav-link" href="#">**

**Products**

**</a>**

**</li>**

**<li className="nav-item">**

**<a className="nav-link" href="#">**

**About**

**</a>**

**</li>**

**<li className="nav-item">**

**<a className="nav-link" href="#">**

**Contact**

**</a>**

**</li>**

**<li className="nav-item">**

**<a className="nav-link active" aria-current="page" href="#">**

**Cart ( {cardQuantity} )**

**</a>**

**</li>**

**<li className="nav-item"></li>**

**</ul>**

**</div>**

**</div>**

**</nav>**

**);**

**};**

**export default Navbar;**

**App.css**

**@import url('https://fonts.googleapis.com/css2?family=Poppins:wght@400;500;600&display=swap');**

**\*{**

**font-family: 'Poppins', sans-serif;**

**}**

**body{**

**background-color:rgb(121, 134, 134);**

**}**

**.rating-color {**

**color: #fbc634 !important;**

**}**

**.small-ratings i {**

**color: #f8f8f8;**

**}**

**.review-stat {**

**font-size: 18px;**

**}**

**.subtotal{**

**border-top: rgb(247, 245, 245) 1px solid;**

**}**

**.product-img{**

**padding: 3%;**

**background-color: rgb(146, 146, 145);**

**margin-left: 5%;**

**}**

**header ,nav,footer{**

**background: rgba( 255, 255, 255, 0.3 );**

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

**-webkit-backdrop-filter: blur( 8px );**

**-webkit-box-shadow: 0px 0px 11px 4px rgba(0,0,0,0.75);**

**-moz-box-shadow: 0px 0px 11px 4px rgba(0,0,0,0.75);**

**box-shadow: 0px 0px 11px 4px rgba(0,0,0,0.75);**

**}**

**header .row{**

**padding: 5px 15%;**

**}**

**.cardcss{**

**margin-top: 10%;**

**margin-bottom: 2%;**

**}**

**@media screen and (max-width: 1000px) {**

**.cardcss {**

**margin-top: 15%;**

**}**

**}**

**App.jsx**

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

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

**import Card from "./Components/Card";**

**import Navbar from "./Components/Navbar";**

**import Header from "./Components/Header";**

**import Footer from "./Components/Footer";**

**function App() {**

**return (**

**<><div className="fixed-top">**

**<Navbar/>**

**<Header />**

**</div>**

**<div className="d-flex flex-column justify-content-center align-items-center cardcss">**

**<Card />**

**</div>**

**<Footer/>**

**</>**

**);**

**}**

**export default App;**

**ContentProvider.jsx**

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

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

**const ContextContainer = createContext();**

**export const ContextProvider = ({ children }) => {**

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

**const [cardAmount, setCardAmount] = useState(0);**

**const [cardQuantity, setCardQuantity] = useState(products.length);**

**return (**

**<ContextContainer.Provider**

**value={{**

**products,**

**setProducts,**

**cardQuantity,**

**setCardQuantity,**

**setCardAmount,**

**cardAmount**

**}}**

**>**

**{children}**

**</ContextContainer.Provider>**

**);**

**};**

**export const useUserContext = () => {**

**return useContext(ContextContainer);**

**};**

**Products.jsx**

**export default [**

**{**

**"id": 1,**

**"title": "iPhone 9",**

**"description": "An apple mobile which is nothing like apple",**

**"price": 549,**

**"discountPercentage": 12.96,**

**"rating": 4.69,**

**"stock": 94,**

**"brand": "Apple",**

**"category": "smartphones",**

**"thumbnail": "https://i.dummyjson.com/data/products/1/thumbnail.jpg",**

**"images": "https://im.indiatimes.in/content/2020/Mar/iPhone-9-and-9-plus\_5e71d66e079f2.jpg?w=1200&h=900&cc=1"**

**},**

**{**

**"id": 2,**

**"title": "iPhone X",**

**"description": "SIM-Free, Model A19211 6.5-inch Super Retina HD display with OLED technology A12 Bionic chip",**

**"price": 899,**

**"discountPercentage": 17.94,**

**"rating": 4.44, //---------**

**"stock": 34,**

**"brand": "Apple",**

**"category": "smartphones",**

**"thumbnail": "https://i.dummyjson.com/data/products/2/thumbnail.jpg",**

**"images": 'https://m.media-amazon.com/images/I/61HHbO9NDFL.jpg'**

**},**

**{**

**"id": 3,**

**"title": "Samsung Universe 9",**

**"description": "Samsung's new variant which goes beyond Galaxy to the Universe",**

**"price": 1249,**

**"discountPercentage": 15.46,**

**"rating": 4.09,**

**"stock": 36,**

**"brand": "Samsung",**

**"category": "smartphones",**

**"thumbnail": "https://i.dummyjson.com/data/products/3/thumbnail.jpg",**

**"images": 'https://admin.hyperce.io/assets/thumbnail\_\_12\_\_preview.jpg?w=800'**

**},**

**{**

**"id": 4,**

**"title": "OPPOF19",**

**"description": "OPPO F19 is officially announced on April 2021.",**

**"price": 280,**

**"discountPercentage": 17.91,**

**"rating": 4.3,**

**"stock": 123,**

**"brand": "OPPO",**

**"category": "smartphones",**

**"thumbnail": "https://i.dummyjson.com/data/products/4/thumbnail.jpg",**

**"images": 'https://5.imimg.com/data5/SELLER/Default/2023/6/316894377/HW/EM/ZV/157629195/oppo-f19-pro-plus-5g-8-128gb-.jpg'**

**},**

**{**

**"id": 5,**

**"title": "Huawei P30",**

**"description": "Huawei’s re-badged P30 Pro New Edition was officially unveiled yesterday in Germany and now the device has made its way to the UK.",**

**"price": 499,**

**"discountPercentage": 10.58,**

**"rating": 4.09,**

**"stock": 32,**

**"brand": "Huawei",**

**"category": "smartphones",**

**"thumbnail": "https://i.dummyjson.com/data/products/5/thumbnail.jpg",**

**"images": 'https://5.imimg.com/data5/ZR/TV/HW/SELLER-57126529/huawei-p30-pro-6-gb-ram-plus-128-gb-rom-pearl-white-mobile-500x500.jpg'**

**}**

**]**

**Main.jsx**

**import React from "react";**

**import ReactDOM from "react-dom/client";**

**import App from "./App.jsx";**

**import "./index.css";**

**import { ContextProvider } from "./ContextProvider.jsx";**

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

**<ContextProvider>**

**<App />**

**</ContextProvider>**

**);**