import React, { useState } from 'react';

import './App.css';

import SearchComponent from './components/SearchComponent';

import ShowCourseComponent from './components/ShowCourseComponent';

import UserCartComponent from './components/UserCartComponent';

function App() {

    const [courses, setCourses] = useState([

        { id: 1,

          name: 'GFG T-shirt',

          price: 499,

          image:

'<https://media.geeksforgeeks.org/wp-content/uploads/20230823165506/gfg1.png>'

        },

        { id: 2,

          name: 'GFG Bag',

          price: 699,

          image:

'<https://media.geeksforgeeks.org/wp-content/uploads/20230823165553/gfg2.jpg>'

        },

        { id: 3,

          name: 'GFG Hoodie',

          price: 799,

          image:

'<https://media.geeksforgeeks.org/wp-content/uploads/20230823165623/gfg3.jpg>'

        }

    ]);

    const [cartCourses, setCartCourses] = useState([]);

    const [searchCourse, setSearchCourse] = useState('');

    const addCourseToCartFunction = (GFGcourse) => {

        const alreadyCourses = cartCourses

                               .find(item => item.product.id === GFGcourse.id);

        if (alreadyCourses) {

            const latestCartUpdate = cartCourses.map(item =>

                item.product.id === GFGcourse.id ? {

                ...item, quantity: item.quantity + 1 }

                : item

            );

            setCartCourses(latestCartUpdate);

        } else {

            setCartCourses([...cartCourses, {product: GFGcourse, quantity: 1}]);

        }

    };

    const deleteCourseFromCartFunction = (GFGCourse) => {

        const updatedCart = cartCourses

                            .filter(item => item.product.id !== GFGCourse.id);

        setCartCourses(updatedCart);

    };

    const totalAmountCalculationFunction = () => {

        return cartCourses

               .reduce((total, item) =>

                           total + item.product.price \* item.quantity, 0);

    };

    const courseSearchUserFunction = (event) => {

        setSearchCourse(event.target.value);

    };

    const filterCourseFunction = courses.filter((course) =>

        course.name.toLowerCase().includes(searchCourse.toLowerCase())

    );

    return (

        <div className="App">

            <SearchComponent searchCourse={searchCourse}

                             courseSearchUserFunction=

                                 {courseSearchUserFunction} />

            <main className="App-main">

                <ShowCourseComponent

                    courses={courses}

                    filterCourseFunction={filterCourseFunction}

                    addCourseToCartFunction={addCourseToCartFunction}

                />

                <UserCartComponent

                    cartCourses={cartCourses}

                    deleteCourseFromCartFunction={deleteCourseFromCartFunction}

                    totalAmountCalculationFunction={

                        totalAmountCalculationFunction

                    }

                    setCartCourses={setCartCourses}

                />

            </main>

        </div>

    );

}

export default App;