import React, { useState } from 'react';

const CascadingDropdownList = () => {

const [continent, setContinent] = useState('');

const [fruit, setFruit] = useState('');

const [vegetable, setVegetable] = useState('');

const countries = {

asia: ["Mango", "Banana", "Apple"],

europe: ["Orange", "Strawberry", "Pear"],

africa: ["Pineapple", "Watermelon", "Grapes"]

};

const vegetables = {

mango: ["Carrot", "Cabbage", "Broccoli"],

banana: ["Tomato", "Cucumber", "Bell Pepper"],

apple: ["Lettuce", "Spinach", "Kale"],

orange: ["Potato", "Onion", "Garlic"],

strawberry: ["Celery", "Eggplant", "Zucchini"],

pear: ["Radish", "Mushroom", "Cauliflower"],

pineapple: ["Pumpkin", "Sweet Potato", "Beetroot"],

watermelon: ["Green Bean", "Asparagus", "Brussels Sprouts"],

grapes: ["Corn", "Peas", "Artichoke"]

};

const handleContinentChange = (event) => {

const selectedContinent = event.target.value;

setContinent(selectedContinent);

setFruit('');

setVegetable('');

};

const handleFruitChange = (event) => {

const selectedFruit = event.target.value;

setFruit(selectedFruit);

setVegetable('');

};

return (

<div>

<h1>Cascading Dropdown List Example</h1>

<form onSubmit={(e) => e.preventDefault()}>

<select value={continent} onChange={handleContinentChange}>

<option value="">Select</option>

<option value="asia">Option 1</option>

<option value="europe">Option 2</option>

<option value="africa">Option 3</option>

</select>

<select value={fruit} onChange={handleFruitChange} disabled={!continent}>

<option value="">Second Select</option>

{countries[continent] &&

countries[continent].map((fruit, index) => (

<option key={index} value={fruit}>

{fruit}

</option>

))}

</select>

<select value={vegetable} disabled={!fruit}>

<option value="">Select Vegetable</option>

{vegetables[fruit] &&

vegetables[fruit].map((vegetable, index) => (

<option key={index} value={vegetable}>

{vegetable}

</option>

))}

</select>

<button type="submit">Submit</button>

</form>

</div>

);

};

export default CascadingDropdownList;