<!DOCTYPE html>

<html>

<head>

<title>Cascading Dropdown List</title>

<style>

h1 {

text-align: center;

}

select {

display: block;

margin: 20px auto;

padding: 10px;

width: 200px;

}

.highlight {

background-color: lightblue;

}

</style>

</head>

<body>

<h1>Cascading Dropdown List Example</h1>

<form id="myForm" onsubmit="handleSubmit(event)">

<select id="continent-select" onchange="populateFruits(this)">

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

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

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

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

</select>

<select id="fruit-select" onchange="populateVegetables(this)">

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

</select>

<select id="vegetable-select">

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

</select>

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

</form>

<script>

var continentSelect = document.getElementById("continent-select");

var fruitSelect = document.getElementById("fruit-select");

var vegetableSelect = document.getElementById("vegetable-select");

var fruits = {

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

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

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

};

var 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"]

};

function populateFruits(element) {

var selectedContinent = element.value;

fruitSelect.innerHTML = "<option value=''>Select Fruit</option>";

vegetableSelect.innerHTML = "<option value=''>Select Vegetable</option>";

if (selectedContinent !== "") {

var fruitList = fruits[selectedContinent];

for (var i = 0; i < fruitList.length; i++) {

var option = document.createElement("option");

option.text = fruitList[i];

option.value = fruitList[i].toLowerCase();

fruitSelect.appendChild(option);

}

}

}

function populateVegetables(element) {

var selectedFruit = element.value;

vegetableSelect.innerHTML = "<option value=''>Select Vegetable</option>";

if (selectedFruit !== "") {

var vegetableList = vegetables[selectedFruit];

for (var i = 0; i < vegetableList.length; i++) {

var option = document.createElement("option");

option.text = vegetableList[i];

option.value = vegetableList[i].toLowerCase();

vegetableSelect.appendChild(option);

}

}

}

function handleSubmit(event) {

event.preventDefault(); // Prevent form submission

var continent = continentSelect.value;

var fruit = fruitSelect.value;

var vegetable = vegetableSelect.value;

// Perform desired action with the selected values

console.log("Continent:", continent);

console.log("Fruit:", fruit);

console.log("Vegetable:", vegetable);

// Reset the form

continentSelect.selectedIndex = 0;

fruitSelect.innerHTML = "<option value=''>Second Select</option>";

vegetableSelect.innerHTML = "<option value=''>Select Vegetable</option>";

}

continentSelect.addEventListener("change", function () {

this.classList.add("highlight");

fruitSelect.classList.remove("highlight");

vegetableSelect.classList.remove("highlight");

});

fruitSelect.addEventListener("change", function () {

this.classList.add("highlight");

continentSelect.classList.remove("highlight");

vegetableSelect.classList.remove("highlight");

});

vegetableSelect.addEventListener("change", function () {

this.classList.add("highlight");

continentSelect.classList.remove("highlight");

fruitSelect.classList.remove("highlight");

});

</script>

</body>

</html>

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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;