import React, { useState, useMemo, useEffect } from 'react';

const countriesData = [

{

"name": "Afghanistan",

"capital": "Kabul",

"region": "Asia",

"population": 40218234

},

{

"name": "Albania",

"capital": "Tirana",

"region": "Europe",

"population": 2875282

},

{

"name": "Algeria",

"capital": "Algiers",

"region": "Africa",

"population": 43900000

},

{

"name": "Andorra",

"capital": "Andorra la Vella",

"region": "Europe",

"population": 72800

},

{

"name": "Angola",

"capital": "Luanda",

"region": "Africa",

"population": 32866268

},

{

"name": "Antigua and Barbuda",

"capital": "Saint John's",

"region": "Americas",

"population": 97928

},

{

"name": "Argentina",

"capital": "Buenos Aires",

"region": "Americas",

"population": 45799744

},

{

"name": "Armenia",

"capital": "Yerevan",

"region": "Asia",

"population": 2963500

},

{

"name": "Australia",

"capital": "Canberra",

"region": "Oceania",

"population": 25839000

},

{

"name": "Austria",

"capital": "Vienna",

"region": "Europe",

"population": 8932700

},

{

"name": "Azerbaijan",

"capital": "Baku",

"region": "Asia",

"population": 10647000

},

{

"name": "Bahamas",

"capital": "Nassau",

"region": "Americas",

"population": 393254

},

{

"name": "Bahrain",

"capital": "Manama",

"region": "Asia",

"population": 1701581

},

{

"name": "Bangladesh",

"capital": "Dhaka",

"region": "Asia",

"population": 166303498

},

{

"name": "Barbados",

"capital": "Bridgetown",

"region": "Americas",

"population": 287375

},

{

"name": "Belarus",

"capital": "Minsk",

"region": "Europe",

"population": 9398861

},

{

"name": "Belgium",

"capital": "Brussels",

"region": "Europe",

"population": 11589623

},

{

"name": "Belize",

"capital": "Belmopan",

"region": "Americas",

"population": 397628

},

{

"name": "Benin",

"capital": "Porto-Novo",

"region": "Africa",

"population": 12123234

},

{

"name": "Bhutan",

"capital": "Thimphu",

"region": "Asia",

"population": 771608

},

{

"name": "Bolivia",

"capital": "Sucre",

"region": "Americas",

"population": 11673029

},

{

"name": "Bosnia and Herzegovina",

"capital": "Sarajevo",

"region": "Europe",

"population": 3280815

},

{

"name": "Botswana",

"capital": "Gaborone",

"region": "Africa",

"population": 2351625

},

{

"name": "Brazil",

"capital": "Brasília",

"region": "Americas",

"population": 213691869

},

{

"name": "Brunei",

"capital": "Bandar Seri Begawan",

"region": "Asia",

"population": 433161

},

{

"name": "Bulgaria",

"capital": "Sofia",

"region": "Europe",

"population": 6948445

},

{

"name": "Burkina Faso",

"capital": "Ouagadougou",

"region": "Africa",

"population": 23316203

},

{

"name": "Burundi",

"capital": "Bujumbura",

"region": "Africa",

"population": 12627732

},

{

"name": "Cabo Verde",

"capital": "Praia",

"region": "Africa",

"population": 552483

},

{

"name": "Cambodia",

"capital": "Phnom Penh",

"region": "Asia",

"population": 16718971

},

{

"name": "Cameroon",

"capital": "Yaoundé",

"region": "Africa",

"population": 26545838

},

{

"name": "Canada",

"capital": "Ottawa",

"region": "Americas",

"population": 37742154

},

{

"name": "Central African Republic",

"capital": "Bangui",

"region": "Africa",

"population": 5525702

},

{

"name": "Chad",

"capital": "N'Djamena",

"region": "Africa",

"population": 16245786

},

{

"name": "Chile",

"capital": "Santiago",

"region": "Americas",

"population": 18543696

},

{

"name": "China",

"capital": "Beijing",

"region": "Asia",

"population": 1439323776

},

{

"name": "Colombia",

"capital": "Bogotá",

"region": "Americas",

"population": 51411438

},

{

"name": "Comoros",

"capital": "Moroni",

"region": "Africa",

"population": 869595

},

{

"name": "Congo (Brazzaville)",

"capital": "Brazzaville",

"region": "Africa",

"population": 5612000

},

{

"name": "Congo (Kinshasa)",

"capital": "Kinshasa",

"region": "Africa",

"population": 102344000

},

{

"name": "Costa Rica",

"capital": "San José",

"region": "Americas",

"population": 5094117

},

{

"name": "Côte d'Ivoire",

"capital": "Yamoussoukro",

"region": "Africa",

"population": 26378274

},

{

"name": "Croatia",

"capital": "Zagreb",

"region": "Europe",

"population": 4164785

},

{

"name": "Cuba",

"capital": "Havana",

"region": "Americas",

"population": 11389565

},

{

"name": "Cyprus",

"capital": "Nicosia",

"region": "Asia",

"population": 1207359

},

{

"name": "Czech Republic",

"capital": "Prague",

"region": "Europe",

"population": 10693939

},

{

"name": "Denmark",

"capital": "Copenhagen",

"region": "Europe",

"population": 5822763

},

{

"name": "Djibouti",

"capital": "Djibouti",

"region": "Africa",

"population": 988002

},

{

"name": "Dominica",

"capital": "Roseau",

"region": "Americas",

"population": 71986

},

{

"name": "Dominican Republic",

"capital": "Santo Domingo",

"region": "Americas",

"population": 10847907

},

];

//All 196 countries from JSON data

const SearchBar = () => {

const [searchTerm, setSearchTerm] = useState('');

const [showSuggestions, setShowSuggestions] = useState(false);

const filteredCountries = useMemo(() => {

return countriesData.filter((country) => {

const term = searchTerm.toLowerCase();

return country.name.toLowerCase().includes(term) || country.capital.toLowerCase().includes(term);

});

}, [searchTerm]);

const handleInputChange = (e) => {

setSearchTerm(e.target.value);

setShowSuggestions(true);

};

const handleSuggestionClick = (suggestion) => {

setSearchTerm(suggestion.name);

setShowSuggestions(false);

};

useEffect(() => {

const handleOutsideClick = () => {

setShowSuggestions(false);

};

document.addEventListener('click', handleOutsideClick);

return () => {

document.removeEventListener('click', handleOutsideClick);

};

}, []);

return (

<div className="search-bar">

<input

type="text"

value={searchTerm}

onChange={handleInputChange}

placeholder="Search by country or capital"

/>

{showSuggestions && (

<ul id="search-suggestions">

{filteredCountries.map((suggestion, index) => (

<li key={index} onClick={() => handleSuggestionClick(suggestion)}>

{suggestion.name} - {suggestion.capital}

</li>

))}

</ul>

)}

</div>

);

};

export default SearchBar;