Assessment

Q : Build a Search filter in React

Code:

import React, { useState } from 'react';

import { Col, Container, Row } from 'react-bootstrap';

import mystyle from './style.module.css'

function Basic(props) {

  const [searchInput, setSearchInput] = useState("");

  const countries = [

    { name: "Belgium", continent: "Europe" },

    { name: "India", continent: "Asia" },

    { name: "Bolivia", continent: "South America" },

    { name: "Ghana", continent: "Africa" },

    { name: "Japan", continent: "Asia" },

    { name: "Canada", continent: "North America" },

    { name: "New Zealand", continent: "Australasia" },

    { name: "Italy", continent: "Europe" },

    { name: "South Africa", continent: "Africa" },

    { name: "China", continent: "Asia" },

    { name: "Paraguay", continent: "South America" },

    { name: "Usa", continent: "North America" },

    { name: "France", continent: "Europe" },

    { name: "Botswana", continent: "Africa" },

    { name: "Spain", continent: "Europe" },

    { name: "Senegal", continent: "Africa" },

    { name: "Brazil", continent: "South America" },

    { name: "Denmark", continent: "Europe" },

    { name: "Mexico", continent: "South America" },

    { name: "Australia", continent: "Australasia" },

    { name: "Tanzania", continent: "Africa" },

    { name: "Bangladesh", continent: "Asia" },

    { name: "Portugal", continent: "Europe" },

    { name: "Pakistan", continent:"Asia" },

  ];

  const handleChange = (e) => {

    e.preventDefault();

    var lowecase = e.target.value.toLowerCase()

    setSearchInput(lowecase);

  };

  const filteredData = countries.filter((el) => {

    if (props.input === '') {

        return el;

    }

    else {

        return el.name.toLowerCase().includes(searchInput)

    }

})

  return (

    <div>

<input

   type="search"

   placeholder="Search here"

   onChange={handleChange}

   value={searchInput} />

<table>

  <thead>

  <tr>

    <th>Country</th>

    <th>Continent</th>

  </tr>

  </thead>

  <tbody>

{filteredData.map((country, index) =>

  <tr key={index}>

    <td>{country.name}</td>

    <td>{country.continent}</td>

  </tr>

)}

</tbody>

</table>

    </div>

  );

}

export default Basic;

Output:

