

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

```
const CountryTable = () => {
```

```
  const [countries, setCountries] = useState([]);
```

```
  const [loading, setLoading] = useState(true);
```

```
  const [search, setSearch] = useState("");
```

```
  const [error, setError] = useState("");
```

```
  useEffect(() => {
```

```
    const fields = [
```

```
      'name',
```

```
      'translations',
```

```
      'capital',
```

```
      'population',
```

```
      'area',
```

```
      'region',
```

```
      'subregion',
```

```
      'languages',
```

```
      'currencies',
```

```
      'timezones',
```

```
      'cca2',
```

```
      'cca3',
```

```
      'flags'
```

```
    ].join('.');
```

```
    fetch(`https://restcountries.com/v3.1/all?fields=${fields}`)
```

```
      .then((r) => r.json())
```

```
      .then((data) => {
```

```
        setCountries(Array.isArray(data) ? data : []);
```

```
        setLoading(false);
```

```

    __})
    __.catch(() => {
    __  setError('Error cargando países');
    __  setLoading(false);
    __});
    __}, []);

    __const normalizeName = (c) => c?.translations?.spa?.common || c?.name?.common || "";

    __const filtered = useMemo(() => {
    __  const q = search.trim().toLowerCase();
    __  const list = countries.slice();
    __  list.sort((a, b) => normalizeName(a).localeCompare(normalizeName(b)));
    __  if (!q) return list;
    __  return list.filter((c) => normalizeName(c).toLowerCase().includes(q));
    __}, [countries, search]);

    __const formatLangs = (langs) => Object.values(langs || {}).join(', ');
    __const formatCurrencies = (currs) => {
    __  const entries = Object.entries(currs || {});
    __  return entries
    __    .map(([code, info]) => {
    __      const name = info?.name ? ` ${info.name}` : "";
    __      const symbol = info?.symbol ? ` ${info.symbol}` : "";
    __      return `${code}${name}${symbol}`.trim();
    __    })
    __    .join(', ');
    __};

    __if (loading) {

```

```
__return (  
  <div className="container mt-4 text-center">  
    <div className="spinner-border text-primary" role="status">  
      <span className="visually-hidden">Cargando...</span>  
    </div>  
    <p className="mt-2">Cargando países...</p>  
  </div>  
__);  
__}
```

```
__if (error) {  
__return <div className="alert alert-danger m-4">{error}</div>;  
__}
```

```
__return (  
  <div className="container mt-4">  
    <h2 className="mb-3 text-center">Tabla de Países</h2>  
  
    <div className="mb-3">  
      <input  
        type="text"  
        className="form-control"  
        placeholder="Buscar por nombre (español)"  
        value={search}  
        onChange={(e) => setSearch(e.target.value)}  
      />  
    </div>  
  
    <div className="table-responsive">  
      <table className="table table-striped table-hover align-middle">
```

```

<thead className="table-dark">
  <tr>
    <th>Bandera</th>
    <th>Nombre</th>
    <th>Oficial</th>
    <th>CCA2</th>
    <th>CCA3</th>
    <th>Capital</th>
    <th>Región</th>
    <th>Subregión</th>
    <th>Población</th>
    <th>Área (km²)</th>
    <th>Idiomas</th>
    <th>Monedas</th>
    <th>Husos</th>
  </tr>
</thead>
<tbody>
  {filtered.map((c, i) => (
    <tr key={i}>
      <td>
        {c.flags?.png && (
          <img src={c.flags.png} alt={normalizeName(c)} width={32} height={20} style={{
objectFit: 'cover' }} />
        )}
      </td>
      <td>{normalizeName(c)}</td>
      <td>{c.name?.official || ""}</td>
      <td>{c.cca2 || ""}</td>
      <td>{c.cca3 || ""}</td>
      <td>{c.capital?.join(', ') || ""}</td>

```

```
_____<td>{c.region || ""}</td>
_____<td>{c.subregion || ""}</td>
_____<td>{(c.population ?? 0).toLocaleString()}</td>
_____<td>{(c.area ?? 0).toLocaleString()}</td>
_____<td>{formatLangs(c.languages)}</td>
_____<td>{formatCurrencies(c.currencies)}</td>
_____<td>{(c.timezones || []).join(', ')}</td>
_____</tr>
_____)}
_____</tbody>
_____</table>
_____</div>
```

```
_____ {filtered.length === 0 && (
_____ <div className="alert alert-warning text-center">No se encontraron países</div>
_____)}
_____</div>
_____);
_____};
```

```
export default CountryTable;
```