

```
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>
    </tr>
  ))
}
```

```
        <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;
```