

//ADD STATE:

```
import { useState } from 'react';
```

```
function FilterableProductTable({ products }) {  
  const [filterText, setFilterText] = useState('');  
  const [inStockOnly, setInStockOnly] = useState(false)
```

//Dann übergeben Sie **filterText** und **inStockOnly** an ProductTable und SearchBar als **Props**:

```
  return (  
    <div>  
      <SearchBar  
        filterText={filterText}  
        inStockOnly={inStockOnly} />  
      <ProductTable  
        products={products}  
        filterText={filterText}  
        inStockOnly={inStockOnly} />  
    </div>  
  );  
}
```

```
function ProductCategoryRow({ category }) {  
  return (  
    <tr>  
      <th colspan="2">  
        {category}  
      </th>  
    </tr>  
  );  
}
```

```
function ProductRow({ product }) {  
  const name = product.stocked ? product.name :  
    <span style={{ color: 'red' }}>  
      {product.name}  
    </span>;  
  
  return (  
    <tr>  
      <td>{name}</td>  
      <td>{product.price}</td>  
    </tr>  
  );  
}
```

```
function ProductTable({ products, filterText, inStockOnly }) {  
  const rows = [];  
  let lastCategory = null;  
  
  products.forEach((product) => {  
    if (  
      product.name.toLowerCase().indexOf(  
        filterText.toLowerCase()  
      ) === -1  
    ) {  
      return;  
    }  
    if (inStockOnly && !product.stocked) {  
      return;  
    }  
  })  
}
```

```

    if (product.category !== lastCategory) {
      rows.push(
        <ProductCategoryRow
          category={product.category}
          key={product.category} />
      );
    }
    rows.push(
      <ProductRow
        product={product}
        key={product.name} />
    );
    lastCategory = product.category;
  });

  return (
    <table>
      <thead>
        <tr>
          <th>Name</th>
          <th>Price</th>
        </tr>
      </thead>
      <tbody>{rows}</tbody>
    </table>
  );
}

function SearchBar({ filterText, inStockOnly }) {
  return (
    <form>
      <input
        type="text"
        value={filterText}
        placeholder="Search..." />
      <label>
        <input
          type="checkbox"
          checked={inStockOnly} />
        { ' ' }
        Only show products in stock
      </label>
    </form>
  );
}

const PRODUCTS = [
  {category: "Fruits", price: "$1", stocked: true, name: "Apple"},
  {category: "Fruits", price: "$1", stocked: true, name: "Dragonfruit"},
  {category: "Fruits", price: "$2", stocked: false, name: "Passionfruit"},
  {category: "Vegetables", price: "$2", stocked: true, name: "Spinach"},
  {category: "Vegetables", price: "$4", stocked: false, name: "Pumpkin"},
  {category: "Vegetables", price: "$1", stocked: true, name: "Peas"}
];

export default function App() {
  return <FilterableProductTable products={PRODUCTS} />;
}

```

//Beachten Sie, dass das Bearbeiten des Formulars noch nicht funktioniert. Es gibt einen Konsolenfehler