



```
componentDidMount() {  
  this.state.original = this.state.customers; // copy of customers  
}  
  
filterCustomers(txt) {  
  let custs = this.state.original.filter(c => c.lastName.toUpperCase()  
    .indexOf(txt.toUpperCase()) >= 0);  
  this.setState({  
    customers: custs  
  });  
}  
  
<Filter filterEvent={(txt) => this.filterCustomers(txt)} />
```

```
export default function Filter({filterEvent}) {  
  return <input type="text"  
    onChange={(evt) => filterEvent(evt.target.value)}  
    placeholder="search by name" />  
}
```