class ContactRow extends React.Component {

render() {

return (

<tr>

<td>{this.props.contact.id}</td>

<td>{this.props.contact.real\_name}</td>

<td>{this.props.contact.tz}</td>

</td>

<td><button value="save" onClick={() => onClickandler(this.props.contact.id)}>View</button></td>

</tr>

);

}

}

class ContactTable extends React.Component {

render() {

const rows = [];

this.props.contacts.forEach((contact) => {

if (contact.name.indexOf(this.props.filterText) === -1) {

return;

}

rows.push(<ContactRow contact={contact} />);

});

return (

<table className='table'>

<thead>

<tr>

<th>id</th>

<th>real\_name</th>

<th>tz</th>

<th>activity\_periods</th>

</tr>

</thead>

<tbody>{rows}</tbody>

</table>

);

}

}

class SearchBar extends React.Component {

constructor(props) {

super(props);

this.handleFilterTextInputChange = this.handleFilterTextInputChange.bind(this);

}

handleFilterTextInputChange(e) {

this.props.onFilterTextInput(e.target.value);

}

render() {

return (

<form>

<input

className="form-control"

type="text"

placeholder="Search..."

value={this.props.filterText}

onChange={this.handleFilterTextInputChange}

/>

</form>

);

}

}

class FilterableContactTable extends React.Component {

constructor(props) {

super(props);

// FilterableContactTable is the owner of the state as the filterText is needed in both nodes (searchbar and table) that are below in the hierarchy tree.

this.state = {

filterText: ''

};

this.handleFilterTextInput = this.handleFilterTextInput.bind(this);

}

handleFilterTextInput(filterText) {

//Call to setState to update the UI

this.setState({

filterText: filterText

});

//React knows the state has changed, and calls render() method again to learn what should be on the screen

}

render() {

return (

<div>

<h1>Filterable React List</h1>

<SearchBar

filterText={this.state.filterText}

onFilterTextInput={this.handleFilterTextInput}

/>

<ContactTable

contacts={this.props.contacts}

filterText={this.state.filterText}

/>

</div>

);

}

}

const CONTACTS = [{

"id": "W012A3CDE",

"real\_name": "Egon Spengler",

"tz": "America/Los\_Angeles",

"activity\_periods": [{

"start\_time": "Feb 1 2020 1:33PM",

"end\_time": "Feb 1 2020 1:54PM"

},

{

"start\_time": "Mar 1 2020 11:11AM",

"end\_time": "Mar 1 2020 2:00PM"

},

{

"start\_time": "Mar 16 2020 5:33PM",

"end\_time": "Mar 16 2020 8:02PM"

}

]

},

{

"id": "W07QCRPA4",

"real\_name": "Glinda Southgood",

"tz": "Asia/Kolkata",

"activity\_periods": [{

"start\_time": "Feb 1 2020 1:33PM",

"end\_time": "Feb 1 2020 1:54PM"

},

{

"start\_time": "Mar 1 2020 11:11AM",

"end\_time": "Mar 1 2020 2:00PM"

},

{

"start\_time": "Mar 16 2020 5:33PM",

"end\_time": "Mar 16 2020 8:02PM"

}

]

}

];

ReactDOM.render(

<FilterableContactTable contacts={CONTACTS} />,

document.getElementById('container')

);