**containers/standards.js**

import React, { Component, PropTypes } from 'react';

import { connect } from 'react-redux';

import { createStandard, updateStandard, deleteStandard } from '../actions/standards';

import Form from '../components/Form';

import Table from '../components/Table';

class Standards extends Component {

constructor(props) {

super(props);

this.standard = null;

this.state = {

shouldRenderForm: false,

};

this.renderForm = this.renderForm.bind(this);

this.cancelForm = this.cancelForm.bind(this);

this.createStandard = this.createStandard.bind(this);

this.updateStandard = this.updateStandard.bind(this);

this.deleteStandard = this.deleteStandard.bind(this);

this.showStandard = this.showStandard.bind(this);

}

createStandard(e) {

e.preventDefault();

const standard = {

id: e.target[0].value.trim(),

year: e.target[1].value.trim(),

section: e.target[2].value.trim(),

};

if (!(standard.year && standard.year)) {

return;

}

this.setState({

shouldRenderForm: false,

});

this.standard = null;

this.props.createStandard(standard);

}

updateStandard(e) {

e.preventDefault();

const standard = {

id: e.target[0].value.trim(),

year: e.target[1].value.trim(),

section: e.target[2].value.trim(),

};

if (!(standard.year && standard.year)) {

return;

}

this.setState({

shouldRenderForm: false,

});

this.standard = null;

this.props.updateStandard(standard);

}

cancelForm() {

this.setState({

shouldRenderForm: false,

});

}

showStandard() {

// this.props.createStandard(standard);

}

deleteStandard(id) {

if (this.standard.id === id) {

this.setState({

shouldRenderForm: false,

});

}

this.props.deleteStandard(id);

}

renderForm(standard = null) {

this.setState({

shouldRenderForm: true,

});

if (standard === null) {

this.standard = {};

this.handleSubmit = this.createStandard;

} else {

this.standard = standard;

this.handleSubmit = this.updateStandard;

}

}

render() {

return (

<div ref="parent">

<button onClick={() => { this.renderForm(); }}>NEW</button>

{

this.state.shouldRenderForm

? <Form

standard={this.standard}

handleSubmit={this.handleSubmit}

cancelForm={this.cancelForm}

/>

: null

}

<Table

standards={this.props.standards}

renderForm={this.renderForm}

showStandard={this.showStandard}

deleteStandard={this.deleteStandard}

/>

</div>

);

}

}

Standards.propTypes = {

createStandard: PropTypes.func.isRequired,

updateStandard: PropTypes.func.isRequired,

deleteStandard: PropTypes.func.isRequired,

standards: PropTypes.array.isRequired,

};

const mapStateToProps = (state) => ({

standards: state.standards,

});

const mapDispatchToProps = (dispatch) => ({

createStandard: (standard) => { dispatch(createStandard(standard)); },

updateStandard: (standard) => { dispatch(updateStandard(standard)); },

deleteStandard: (id) => { dispatch(deleteStandard(id)); },

});

export default connect(mapStateToProps, mapDispatchToProps)(Standards);

**components/table.js**

import React, { PropTypes } from 'react';

import Row from './Row';

const Table = ({ standards, renderForm, showStandard, deleteStandard }) => (

<table>

<thead>

<tr>

<td>S. No.</td>

<td>YEAR</td>

<td>SECTION</td>

<td colSpan={3}>ACTIONS</td>

</tr>

</thead>

<tbody>

{standards.map((s, i) => <Row

key={`${s.year}-${s.section}`}

idx={i}

standard={s}

renderForm={renderForm}

showStandard={showStandard}

deleteStandard={deleteStandard}

/>)}

</tbody>

</table>

);

Table.propTypes = {

standards: PropTypes.array.isRequired,

renderForm: PropTypes.func.isRequired,

showStandard: PropTypes.func.isRequired,

deleteStandard: PropTypes.func.isRequired,

};

export default Table;

**components/row.js**

import React, { PropTypes } from 'react';

const Row = ({ idx, standard, renderForm, showStandard, deleteStandard }) => (

<tr>

<td>{`${idx + 1}`}</td>

<td>{`${standard.year}`}</td>

<td>{`${standard.section}`}</td>

<td><a href="#" onClick={showStandard}>SHOW</a></td>

<td><a href="#" onClick={() => { renderForm(standard); }}>UPDATE</a></td>

<td><a href="#" onClick={() => { deleteStandard(standard.id); }}>DELETE</a></td>

</tr>

);

Row.propTypes = {

idx: PropTypes.number.isRequired,

standard: PropTypes.object.isRequired,

renderForm: PropTypes.func.isRequired,

showStandard: PropTypes.func.isRequired,

deleteStandard: PropTypes.func.isRequired,

};

export default Row;

**components/form.js**

import React, { PropTypes } from 'react';

const Form = ({ standard, handleSubmit, cancelForm }) => (

<form onSubmit={handleSubmit}>

<input type="hidden" id="id" value={standard.id || +(new Date())} />

<input type="text" id="year" placeholder="year" defaultValue={standard.year} />

<input type="text" id="section" placeholder="section" defaultValue={standard.section} />

<input type="submit" value="SUBMIT" />

<input type="button" value="CANCEL" onClick={cancelForm} />

</form>

);

Form.propTypes = {

cancelForm: PropTypes.func.isRequired,

handleSubmit: PropTypes.func.isRequired,

standard: PropTypes.object.isRequired,

};

export default Form;

**reducers/standards.js**

import { STANDARDS } from '../actions/standards';

const initialState = [];

export default function standards(state = initialState, action) {

switch (action.type) {

case STANDARDS.CREATE:

return [

...state,

action.standard,

];

case STANDARDS.UPDATE:

return state.map((s) => {

if (s.id !== action.standard.id) {

return s;

}

return action.standard;

});

case STANDARDS.DELETE:

return state.filter((s) => s.id !== action.id);

default:

return state;

}

}

**actions/standards.js**

export const STANDARDS = {

CREATE: 'CREATE\_STANDARD',

DELETE: 'DELETE\_STANDARD',

UPDATE: 'UPDATE\_STANDARD',

};

export const createStandard = (standard) => ({

type: STANDARDS.CREATE,

standard,

});

export const updateStandard = (standard) => ({

type: STANDARDS.UPDATE,

standard,

});

export const deleteStandard = (id) => ({

type: STANDARDS.DELETE,

id,

});

**index.js**

import React from 'react';

import { createStore } from 'redux';

import { render } from 'react-dom';

import { Provider } from 'react-redux';

import reducer from './reducers';

import Standards from './containers/Standards';

const store = createStore(reducer);

render(

<Provider store={store}>

<Standards />

</Provider>,

document.querySelector('#react-root')

);