

DYNAMIC REACT CONTENT

Dr. Jose Annunziato





Consider the following static list of components

```
import React, {Component} from 'react'  
import ModuleListItem from  
  '../components/ModuleListItem';  
export default class ModuleList extends Component {  
  render() { return (  
    <ul className="list-group">  
      <ModuleListItem/>    <ModuleListItem/>  
      <ModuleListItem/>    <ModuleListItem/>  
      <ModuleListItem/>    <ModuleListItem/></ul>);}}}
```

Where the components are

```
import React, {Component} from 'react';
export default class ModuleListItem
  extends Component {
  render() { return (
    <li className="list-group-item">
      Module 1
      <span className="float-right">
        <i className="fa fa-trash"></i>
        <i className="fa fa-pencil"></i>
      </span></li>
    );}}
```

and render as:

Module 1	
Module 1	
Module 1	
Module 1	
Module 1	
Module 1	

Let's parameterize the module's title

```
export default class ModuleListItem ... {  
  constructor(props) {  
    super(props);  
  }  
  render() {  
    return (  
      <li className="list-group-item">  
        Module 1 {this.props.title}  
      </li>  
    );  
  }  
}
```

Now we can pass the module's title as an attribute

```
export default class ModuleList
```

```
render() { return (
```

```
<ul className="list-group">
```

```
<ModuleListItem title="Module 1 - jQuery" />
```

```
<ModuleListItem title="Module 2 - React" />
```

```
<ModuleListItem title="Module 3 - Redux" />
```

```
<ModuleListItem title="Module 4 - Angular" />
```

```
<ModuleListItem title="Module 5 - Node.js" />
```

```
<ModuleListItem title="Module 6 - MongoDB" />
```

Module 1 - jQuery



Module 2 - React



Module 3 - Redux



Module 4 - Angular



Module 5 - Node.js



Module 6 - MongoDB



Let's render modules dynamically from an array

```
export default class ModuleList ... {  
  constructor() { super();  
    this.state = { modules: [  
      {title: 'Module 1 - jQuery', id: 123},  
      {title: 'Module 2 - React', id: 234},  
      {title: 'Module 3 - Redux', id: 345},  
      {title: 'Module 4 - Angular', id: 456},  
      {title: 'Module 5 - Node.js', id: 567},  
      {title: 'Module 6 - MongoDB', id: 678}],];};
```

We can build the list dynamically

```
renderListOfModules() {  
  let modules = this.state.modules  
    .map(function(module){  
      return <ModuleListItem  
        title={module.title} key={module.id}/>  
    });  
  return modules;  
}
```


And then replace the hard coded modules

```
render() {  
  return (  
    <ul className="list-group">  
      {this.renderListOfModules()}  
    </ul>  
  );  
}
```