ReactJS

**Container and Presentational Components**

**Container Component:** It manages and stores its own data, and uses the presentational component to display it. Container components are mostly concerned with the “backend” operations.They might handle the state of various sub-components. They might wrap several presentational components. They help presentational components to connect to Redux store.

class UsersContainer extends React.Component {

constructor() {

this.state = {

users: []

}

}

componentDidMount() {

axios.get('/users').then(users =>

this.setState({ users: users }))

)

}

render() {

return <Users users={this.state.users} />

}

}

**Presentational component:** It gets data from its props, and just focuses on showing an element:

const Users = props => (

<ul>

{props.users.map(user => (

<li>{user}</li>

))}

</ul>

)

[bind () in JavaScript / React](https://stackoverflow.com/questions/56444790/bind-in-javascript-react)

1. Any class methods used in event handlers will always need this to be bound, if they access properties on the instance.
2. Unless you explicitly bind this to a function, its value depends on the context in which it is called. React uses the render function to create DOM elements with event handlers.
3. From the context in which these events are handled, there is no knowledge of the class that these event handlers belong to, unless you bind it.
4. this.handleRefreshClick.bind(something) returns a new function, in which references to this will refer to something. This is a way of saving the current value of this, which is in scope during the call to the constructor, so that it can be used later when the function is called.
5. If your functions don't require access to the state of your component, then sure, you don't need to bind them.
6. The reason why you bind() functions is because class methods are not bound to the class instance object, which in React's case, it means you don't have access to the component's state or props.
7. Use arrow functions to automatically bind to the instance object: funcao = () => {...}
8. And call it from anywhere inside your component like this: this.funcao()