Events

- In the real world, you are probably going to change your component state based on some user interaction.

- This is where events come in. You can add methods to your components to handle events.

- Event Types

Events - Example

```
class EventExample extends Component {
  save() {
    alert('clicked save!');
  },
  render() {
    return <div>
        <button onClick={this.save}>Save</button>
      </div>;
  }
};
```

Function binding

- Be careful when your event functions are using `this`:

- React in ES6 does not automatically bind your functions for event handlers. Any event handlers need to be bound with one of two ways;

- Using the `constructor` function or using an arrow function

Function binding Example

```
// Contructor function approach
constructor(props) {
  this.handleClick = this.handleClick.bind(this);
}


handleClick() {
    //some stuff to handle the click
}

// Arrow function approach
<button onClick={() => this.handleClick()}>Save</button>
```

Exercise - Folder Contents Toggle

- Write a Folder component that displays the name of a folder called 'Home'.

- Under the folder there should be three files in an unordered list: 'File1', 'File2', 'File3'.

- Add a button that toggles the visiblity of the files on the screen everytime it is clicked.

- eg: Initially the folder and files are all on the screen, but when the 'Toggle' button is clicked the files disappear, then when it is clicked again, the files reappear.