2 Creating and nesting components

React apps are made out of *components*. A component is a piece of the UI (user interface) that has its own logic and appearance. A component can be as small as a button, or as large as an entire page.

React components are JavaScript functions that return markup:

```
function MyButton() {
  return (
    <button>I'm a button</button>
  );
}
```

Now that you've declared `MyButton`, you can nest it into another component:

```
export default function MyApp() {
  return (
    <div>
      <h1>Welcome to my app</h1>
      <MyButton />
    </div>
  );
}
```

Notice that `<MyButton />` starts with a capital letter. That's how you know it's a React component. React component names must always start with a capital letter, while HTML tags must be lowercase.

Have a look at the result:

```
function MyButton() {
  return (
    <button>
      I'm a button
    </button>
  );
}
```

```
export default function MyApp() {
  return (
    <div>
      <h1>Welcome to my app</h1>
      <MyButton />
    </div>
  );
}
```

Show less

Welcome to my app

I'm a button

The `export default` keywords specify the main component in the file. If you're not familiar with some piece of JavaScript syntax, [MDN](#) and [javascript.info](#) have great references.