Matchers

Matchers help make sure that a value is what we expect it to be.

A project generated by Create React App has access to all the matchers included in Jest, as well as matchers defined in the @testing-library/jest-dom package.

Name	Link
Jest	https://jestjs.io/docs/mock-function-api
@testing-library/jest-dom	https://github.com/testing-library/jest-dom

```
1 import { screen, render, within } from '@testing-library/react';
2
3 function FormData() {
4   return (
5     <div>
6       <button>Go Back</button>
7       <form aria-label="form">
8         <button>Save</button>
9         <button>Cancel</button>
10      </form>
11    </div>
12  )
13 }
14 render(<FormData />);
```

```
1 function toContainRole(container, role, quantity = 1) {
2   const elements = within(container).queryAllByRole(role);
3
4   if (elements.length === quantity) {
5     return {
6       pass: true
7     };
8   }
9
10  return {
11    pass: false,
12    message: () => `Expected to find ${quantity} ${role} elements. Found ${elements.length} instead.`
13  }
14 }
15
16 expect.extend({ toContainRole });
```

```
1 test('the form displays two buttons', () => {
2   render(<FormData />);
3
4   const form = screen.getByRole('form');
5
6   expect(form).toContainRole('button', 2);
7 });
```