Native Testing Library

github.com/bcarroll22/native-testing-library

Simple and complete cheat sheet ***v1***

render a component

```
import { render } from 'native-testing-library';

// See render result for more details…
const result = render(<TextInput />);
```

search native nodes

```
const { getByText } = render(<Text>hello</Text>);

// Check out jest-native on npm for handy assertions…
const element = getByText('hello');
```

fire an event

```
import { fireEvent } from 'native-testing-library';

fireEvent.press(element);
// Or you can fire events manually with…
fireEvent(element, new NativeEvent('press', {});
```

get debug output

```
const { debug } = render(<Text>hello</Text>);

// Pretty print the native nodes of your render
debug();
```

wait for something

```
import { wait } from 'native-testing-library';

// Retry search every 50ms for 4500ms
wait(() => getByText('async result'));
```

search variants (return value)

getBy	Element *or* Error
getAllBy	Element[] *or* Error
queryBy	Element *or* null
queryAllBy	Element[] *or* []
findBy	Promise<Element> *or* Error
findAllBy	Promise<Element[]> *or* Error

search types (native prop match)

A11yHint	accessibilityHint="go back"
A11yLabel	accessibilityLabel="back button"
A11yRole	accessibilityRole="button"
A11yStates	accessibilityStates={['disabled']}
A11yTraits	accessibilityTraits={['none']}
Placeholder	placeholder="username"
Text	<Text>hello</Text>
Value	value="text value"
TestId	testID="selector"

text matches

```
const { getByText } = render(<Text>Hello World</Text>);

getByText('Goodbye World');          // ❌
getByText(/hello world/);            // ❌
getByText('ello Worl', { exact: false }); // ✅
getByText('Hello World');            // ✅
```

wait for appearance

```
test('movie title appears', async () => {
  // element is initially not present...
  expect(() => getByText('aladdin')).toThrow();

  // wait for appearance
  await wait(() => {
    expect(getByText('aladdin')).toBeTruthy();
  });

  // wait for appearance and return the result
  await waitForElement(() => getByText('aladdin'));
});
```

assert for absence

```
expect(queryByText('submit')).toBeNull();
```

the render result (description)

container	The TestRenderer Instance
baseElement	The container's root element
debug()	Pretty print the native nodes
unmount()	Unmount your component
rerender(ui)	Re-render the container
…queries	Queries for the baseElement

scope your queries

```
import { within } from 'native-testing-library';

within(loginForm).getByText('submit');
```