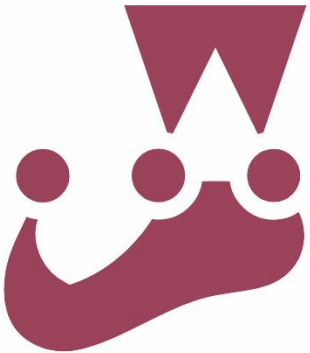
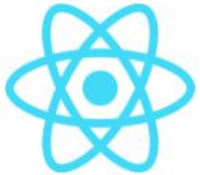


JEST

Delightful JavaScript Testing



React

immutable-js

flow

HHVM

jest

Flux

graphql-js

yoga

Nuclide

react-devtools

rebound

huxley

https://code.facebook.com/projects/

Easy Setup

Complete and easy to set-up JavaScript testing solution. Works out of the box for any React project.

https://facebook.github.io/jest/

Easy Setup

Complete and easy to set-up JavaScript testing solution. Works out of the box for any React project.

Instant Feedback

Fast interactive watch mode runs only test files related to changed files and is optimized to give signal quickly.

https://facebook.github.io/jest/

Easy Setup

Complete and easy to set-up JavaScript testing solution. Works out of the box for any React project.

Instant Feedback

Fast interactive watch mode runs only test files related to changed files and is optimized to give signal quickly.

Snapshot Testing

Capture snapshots of React trees or other serializable values to simplify testing and to analyze how state changes over time.

https://facebook.github.io/jest/

Coca-Cola
zero
SUGAR

zero

~~SUGAR~~

Configuration

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Cronograma

- Criando e executando o primeiro teste
- Testando renderização de componentes
- Fazendo asserts no state

Instalando o Jest:

npm:
npm **install** --save-dev **jest**

yarn:
yarn **add** --dev **jest**

Exemplo 01

Arquivo: sum.js

```
function sum(a, b) {
  return a + b;
}

module.exports = sum;
```

Arquivo: sum.test.js

```
const sum = require('./sum');

test('Adicionando 1 + 2 = 3', () => {
  expects(sum(1, 2)).toBe(3);
});
```

Code!

Exemplo 02

- Aplicação criada com **create-react-app**
  - Já configura com react-scripts a execução dos testes
  - Teste tem watch e consegue rodar parcialmente

- Setup do Enzyme
  - Criar o arquivo `src/setupTests.js`

Exemplo 02 - Instalação do enzyme

Adicionando dependências:

```
yarn add --dev enzyme enzyme-adapter-react-16
```

Arquivo: `src/setupTests.js`

```
import { configure } from 'enzyme';
import Adapter from 'enzyme-adapter-react-16';

configure({ adapter: new Adapter() });
```

Code!

Exemplo 03

- Mudança de foco do teste
  - Asserts no state do componente

Code!

https://github.com/ferfabricio/palestra-jest

Referências

- Site do Jest
  - https://facebook.github.io/jest/
- Airbnb (enzyme shallow reference)
  - http://airbnb.io/enzyme/docs/api/shallow.html
- Artigo do auth0
  - https://auth0.com/blog/testing-react-applications-with-jest/

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