



3-3 如何运行 React 测试用例

资源

- 1. react github
- 2. jest 文档

测试用例的必要性

辅助开发

先写代码, 再写测试用例。

先写测试用例,再写代码。**测试驱动开发(Test Driven Development, TDD)**

便于团队开发

一个人写完代码之后,是否影响其它代码,跑一下测试用例就知道了。

测试用例的实用性

测试用例更多用在基础架构中,很多业务项目由于迭代较快,并没有时间去实现大量的测试用例。

Jest

```
{} package.json ×
                                                   JS Scheduler-test.js
                                                                                                               i README.md 1
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 {} package.json > {} scripts > Includes test
   53
                              "eslint-config-prettier": "^6.9.0",
                                                                                                                                                  > jest
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                             "eslint-plugin-babel": "^5.3.0",
"eslint-plugin-eslint-plugin": "^3.5.3",
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                             "eslint-plugin-flowtype": "^2.25.0",
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                             "eslint-plugin-ft-flow": "^2.0.3",
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                             "eslint-plugin-jest": "^22.15.0",
   58
                             "eslint-plugin-no-for-of-loops": "^1.0.0",
   59
                              "eslint-plugin-no-function-declare-after-return": "^1.0.0",
   60
                             "eslint-plugin-react": "^6.7.1",
   61
    62
                             "eslint-plugin-react-internal": "link:./scripts/eslint-rules",
                             "fbjs-scripts": "^3.0.1",
    63
                             "filesize": "^6.0.1",
                             "flow-bin": "^0.223.2",
   65
                             "flow-remove-types": "^2.223.2",
   66
                              "glob": "^7.1.6",
    67
                             "glob-stream": "^6.1.0",
    68
                              "google-closure-compiler": "^20230206.0.0",
    69
                             "gzip-size": "^5.1.1",
    70
                             "hermes-eslint": "^0.18.0",
     71
                             "hermes-parser": "^0.18.0",
    72
                             "jest": "^29.4.2",
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    73
                              "jest-cli": "^29.4.2",
    74
                             "jest-diff": "^29.4.2",
    75
    76
                             "jest-environment-jsdom": "^29.4.2",
                             "jest-snapshot-serializer-raw": "^1.2.0",
    77
    78
                             "minimatch": "^3.0.4",
                              "minimist": "^1.2.3",
    79
   80
                             "mkdirp": "^0.5.1",
                             "ncp": "^2.0.0",
    81

y main* 
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y 
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                                                                                                                                                                                            空格: 2 UTF-8 LF {} JSON 😝 🛕 14 Spell 🥪 Prettier 🖗 🗘
```

React 测试用例运行步骤

```
Bash git clone https://github.com/facebook/react.git yarn yarn run test # 跑所有测试用例,这条命令请谨慎执行,电脑可能会卡,建议使用下一条原 # 跑单条测试用例,首先需要进入指定文件下执行yarn安装局部包需要的依赖。如在packages
```

下面的测试文件地址可以自定义

yarn test packages/scheduler/src/__tests__/Scheduler-test.js --watch