Test-driven React.js Development: React.js Unit Testing with Enzyme and Jest

Using Jest to Create Unit Tests

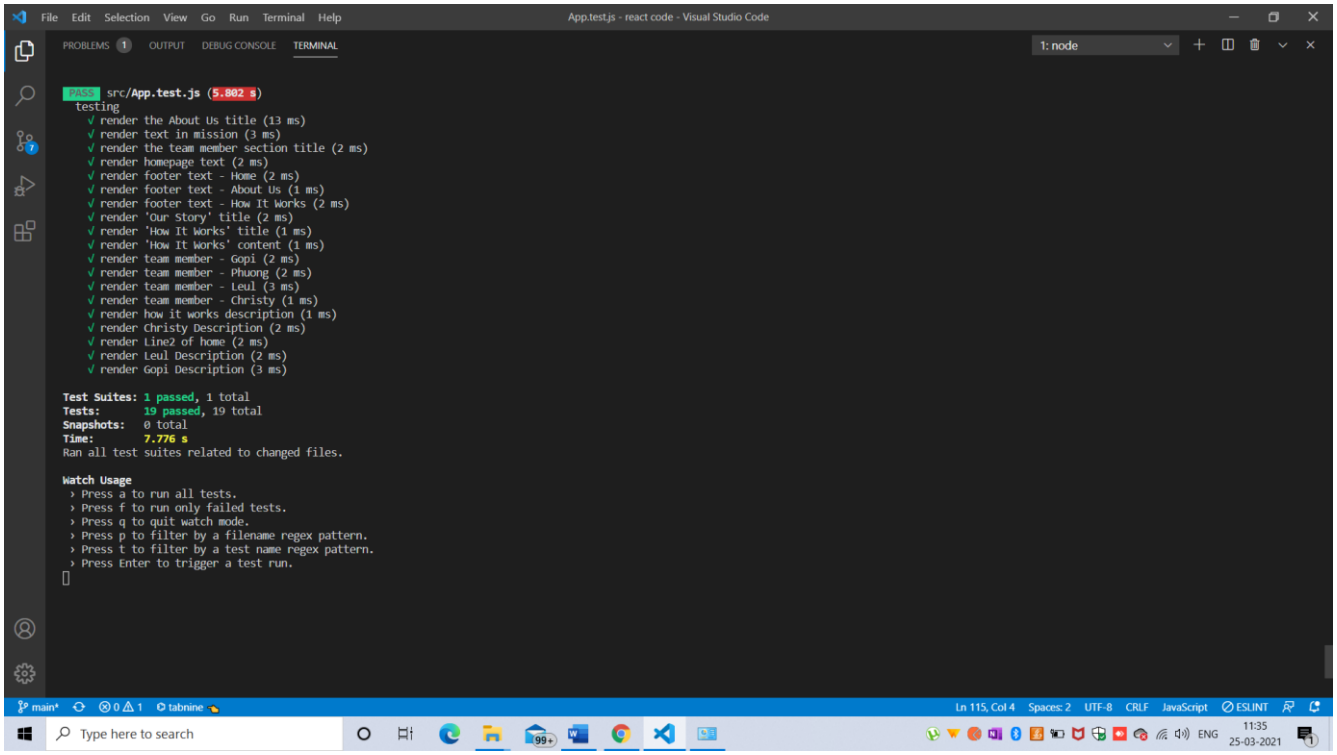
Jest is an open-source test framework created by Facebook that has a great integration with React.js. It includes a command line tool for test execution similar to what Jasmine and Mocha offer. It also allows us to create mock functions with almost zero configuration and provides a really nice set of matchers that makes assertions easier to read.

Using Enzyme to Mount React.js Components

Enzyme provides a mechanism to mount and traverse React.js component trees. This will help us get access to its own properties and state as well as its children props in order to run our assertions.

Test Cases

We created 19 test cases in the sprint1 to check the Text in the application


File Edit Selection View Go Run Terminal Help
App.test.js - react code - Visual Studio Code
PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL
1: node
PASS src/App.test.js (5.802 s)
testing
√ render the About Us title (13 ms)
√ render text in mission (3 ms)
√ render the team member section title (2 ms)
√ render homepage text (2 ms)
√ render footer text - Home (2 ms)
√ render footer text - About Us (1 ms)
√ render footer text - How It Works (2 ms)
√ render 'Our Story' title (2 ms)
√ render 'How It Works' title (1 ms)
√ render 'How It Works' content (1 ms)
√ render team member - Gopi (2 ms)
√ render team member - Phuong (2 ms)
√ render team member - Leul (3 ms)
√ render team member - Christy (1 ms)
√ render how it works description (1 ms)
√ render Christy Description (2 ms)
√ render Line2 of home (2 ms)
√ render Leul Description (2 ms)
√ render Gopi Description (3 ms)
Test Suites: 1 passed, 1 total
Tests: 19 passed, 19 total
Snapshots: 0 total
Time: 7.776 s
Ran all test suites related to changed files.
Watch Usage
› Press a to run all tests.
› Press f to run only failed tests.
› Press q to quit watch mode.
› Press p to filter by a filename regex pattern.
› Press t to filter by a test name regex pattern.
› Press Enter to trigger a test run.
main* 0 1 tabnine
Ln 115, Col 4 Spaces: 2 UTF-8 CRLF JavaScript ESLINT
Type here to search
ENG
11:35
25-03-2021