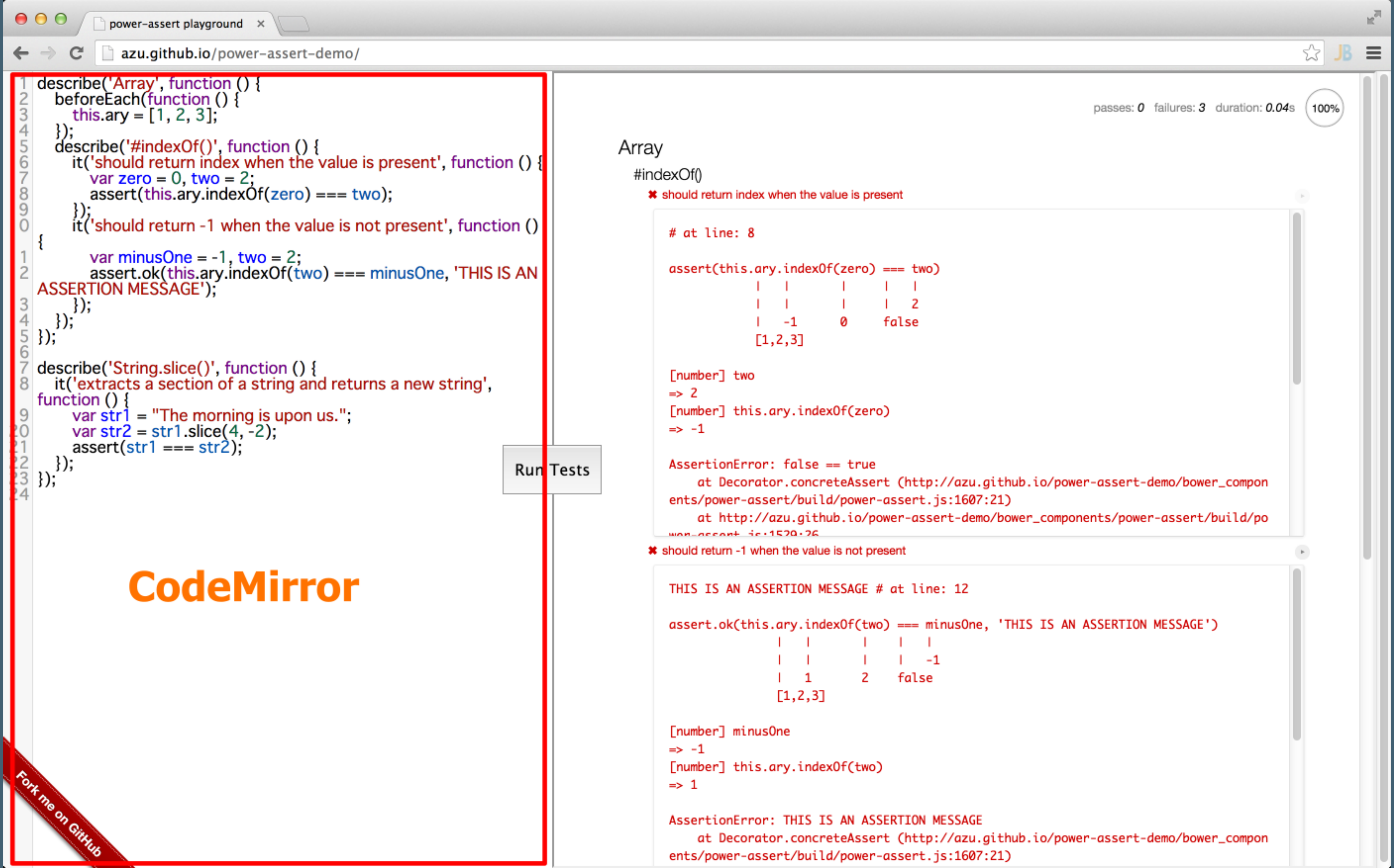
power-assert in browser

http://azu.github.io/power-assert-demo/

Editor



```
describe('Array', function () {
  beforeEach(function () {
    this.ary = [1, 2, 3];
  });
  describe('#indexOf()', function () {
    it('should return index when the value is present', function () {
      var zero = 0, two = 2;
      assert(this.ary.indexOf(zero) === two);
    });
    it('should return -1 when the value is not present', function () {
      var minusOne = -1, two = 2;
      assert.ok(this.ary.indexOf(two) === minusOne, 'THIS IS AN ASSERTION MESSAGE');
    });
  });
});

describe('String.slice()', function () {
  it('extracts a section of a string and returns a new string', function () {
    var str1 = "The morning is upon us.";
    var str2 = str1.slice(4, -2);
    assert(str1 === str2);
  });
});
```

CodeMirror

passes: 0 failures: 3 duration: 0.04s 100%

Array

#indexOf()

✖ should return index when the value is present

```
# at line: 8

assert(this.ary.indexOf(zero) === two)
            |   |       |     |   |
            |   |       |     |   2
            |   -1      0     false
            [1,2,3]

[number] two
=> 2
[number] this.ary.indexOf(zero)
=> -1

AssertionError: false == true
    at Decorator.concreteAssert (http://azu.github.io/power-assert-demo/bower_compon
ents/power-assert/build/power-assert.js:1607:21)
    at http://azu.github.io/power-assert-demo/bower_components/power-assert/build/po
wer-assert.js:1529:26
```

✖ should return -1 when the value is not present

```
THIS IS AN ASSERTION MESSAGE # at line: 12

assert.ok(this.ary.indexOf(two) === minusOne, 'THIS IS AN ASSERTION MESSAGE')
               |   |       |    |   |
               |   |       |    |   -1
               |   1       2    false
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[number] minusOne
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[number] this.ary.indexOf(two)
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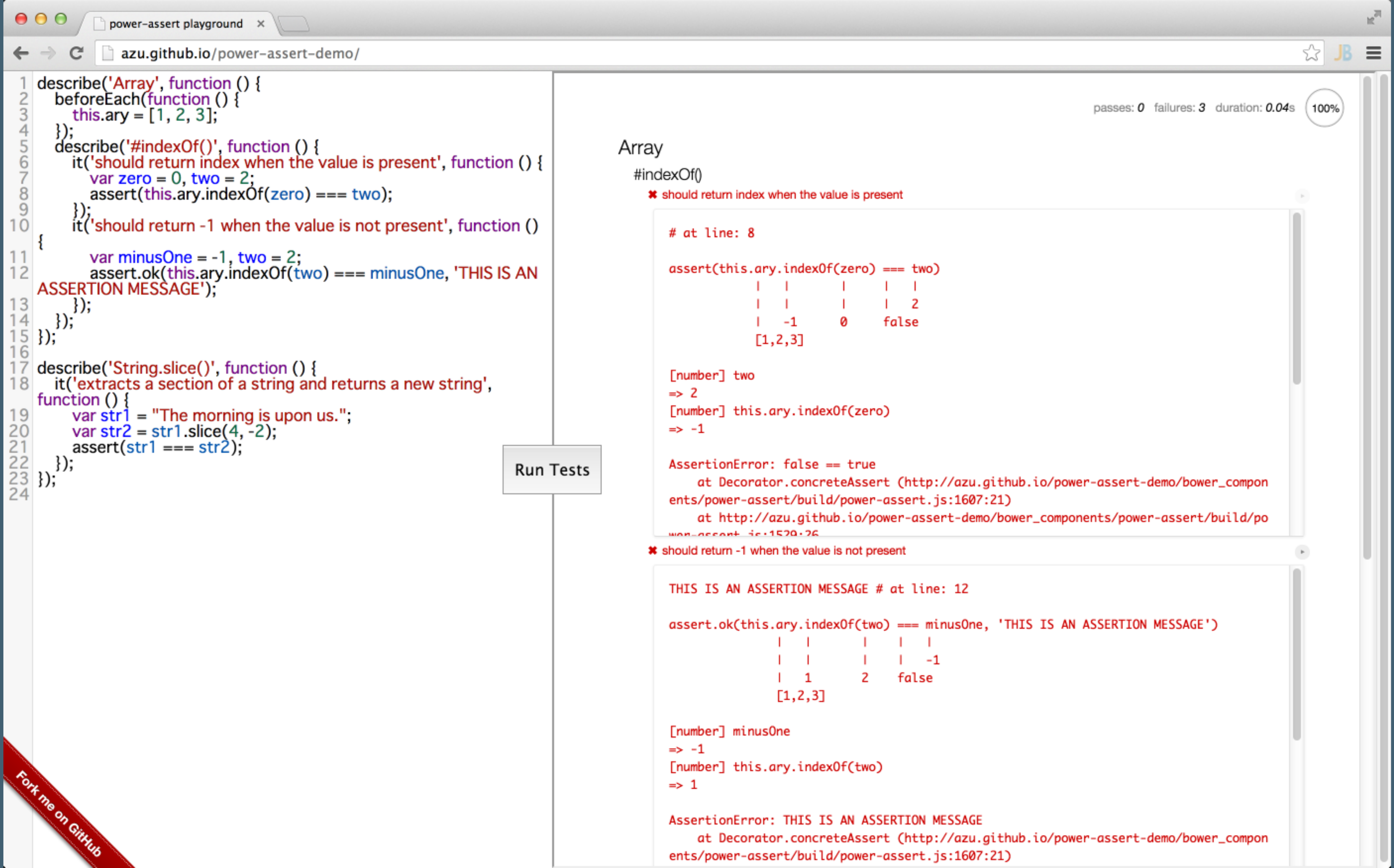
Editor - CodeMirror

- CodeMirror

- http://codemirror.net/

power-assert



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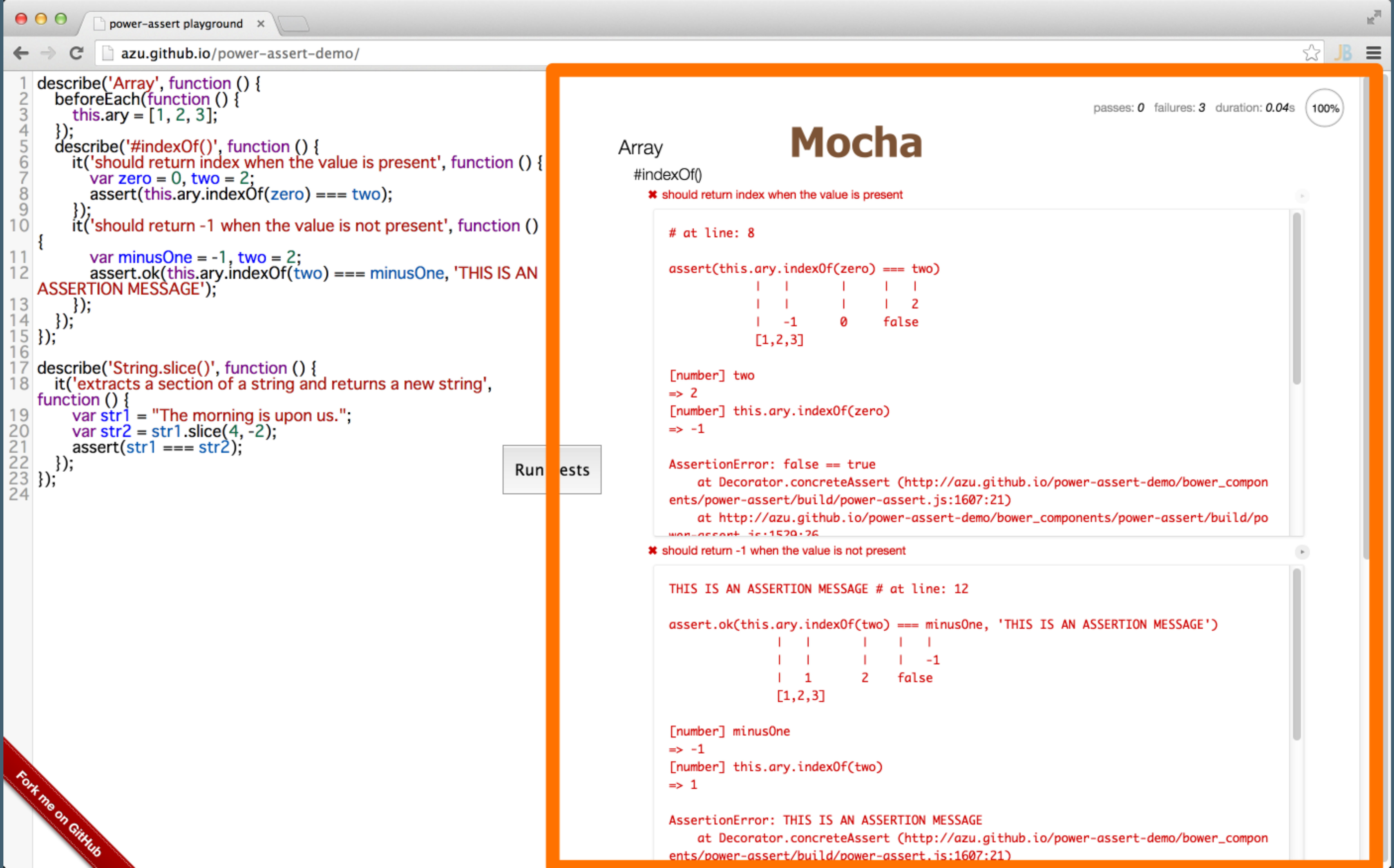
power-assert transform

- espower-source
- https://github.com/twada/espower-source
- Code -> (Power-asserized) Code

Test Runner



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12       assert.ok(this.ary.indexOf(two) === minusOne, 'THIS IS AN ASSERTION MESSAGE');
13     });
14   });
15 });
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Mocha

Array

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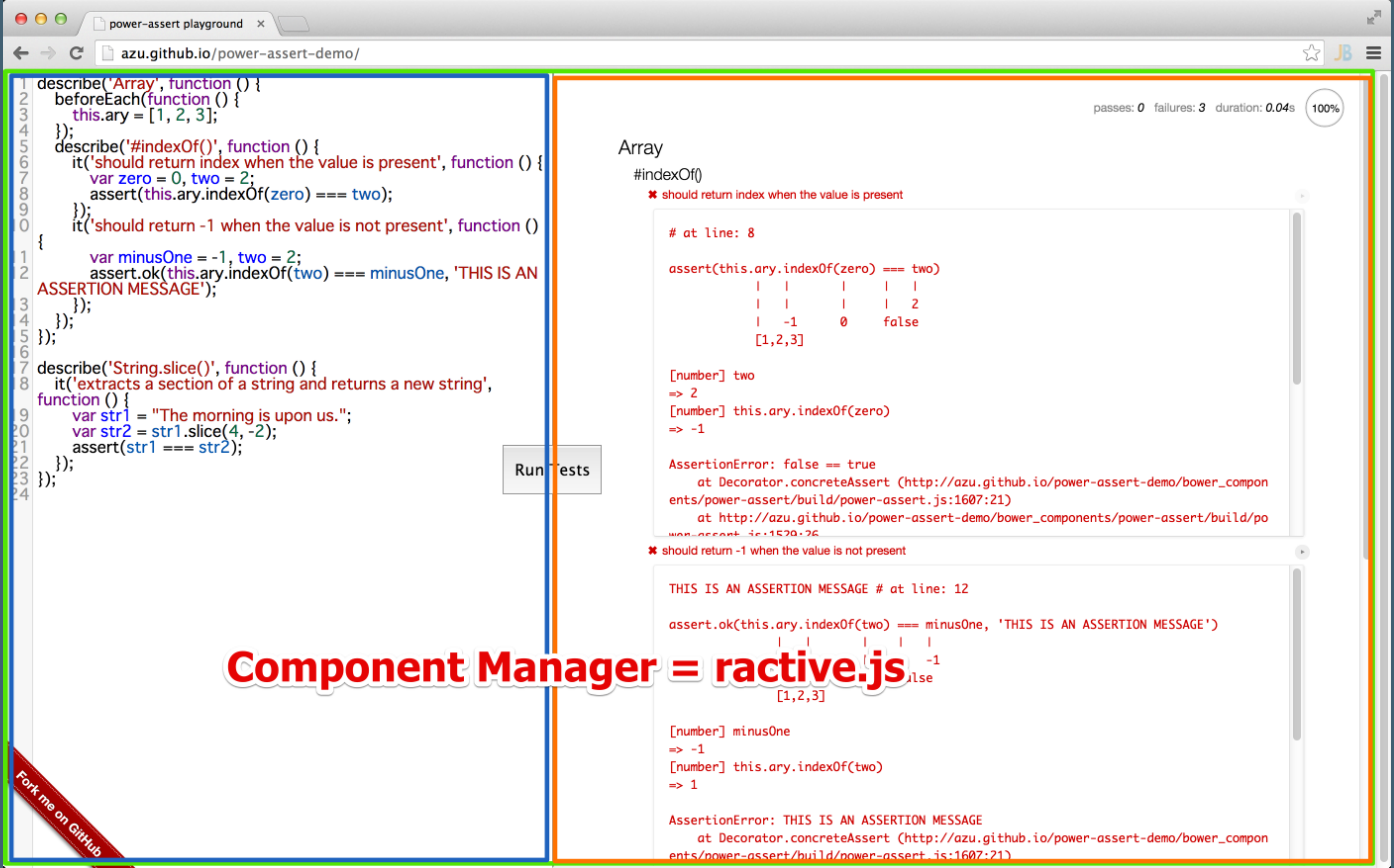
Test in iframe

- iframe's `srcdoc` attribute
  - embed `<html>...<script>assert(true)</script>...</html>`
- Mocha
- http://visionmedia.github.io/mocha/

ractive.js



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Component Manager = ractive.js

ractive component

- Editor as Component
- Test Runner as Component
- Component <-> Component

ractive event

- Cool Observers
- http://docs.ractivejs.org/latest/observers

おわり

https://github.com/azu/power-assert-demo