

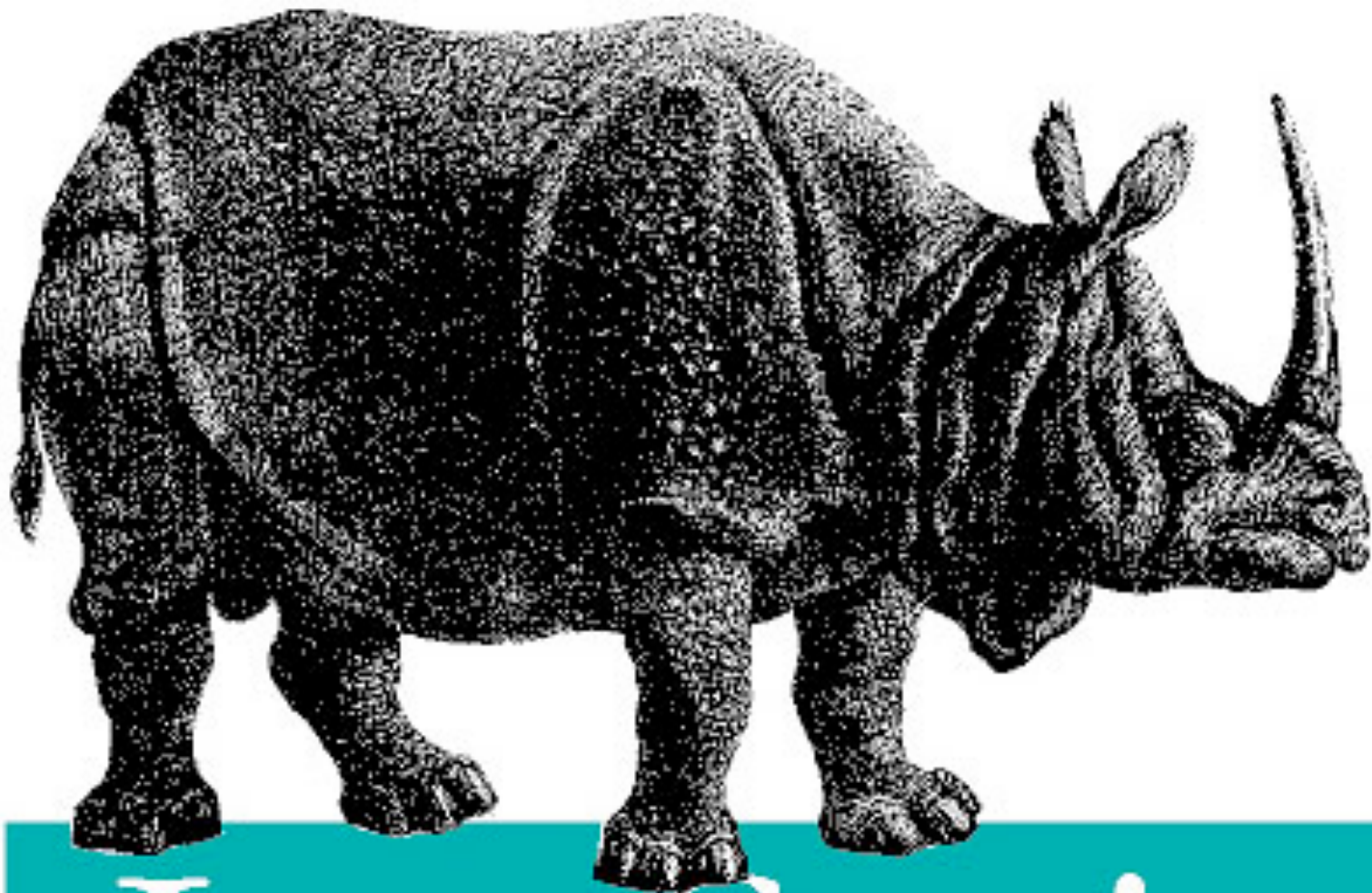
Testable JavaScript

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JavaScript



Testable

JavaScript

#<<<>>>
#copyright

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Lynx (web browser)

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CAPTION: Lynx

Wikipedia Main Page displayed in Lynx

Wikipedia Main Page displayed in Lynx

Maintainer: Thomas Dickey

Stable release: 2.8.5 (February 4, 2004) [\[\[+/-\]\]](#)

Preview release: 2.8.6 (?) [\[\[+/-\]\]](#)

OS: Cross-platform

Use: web browser

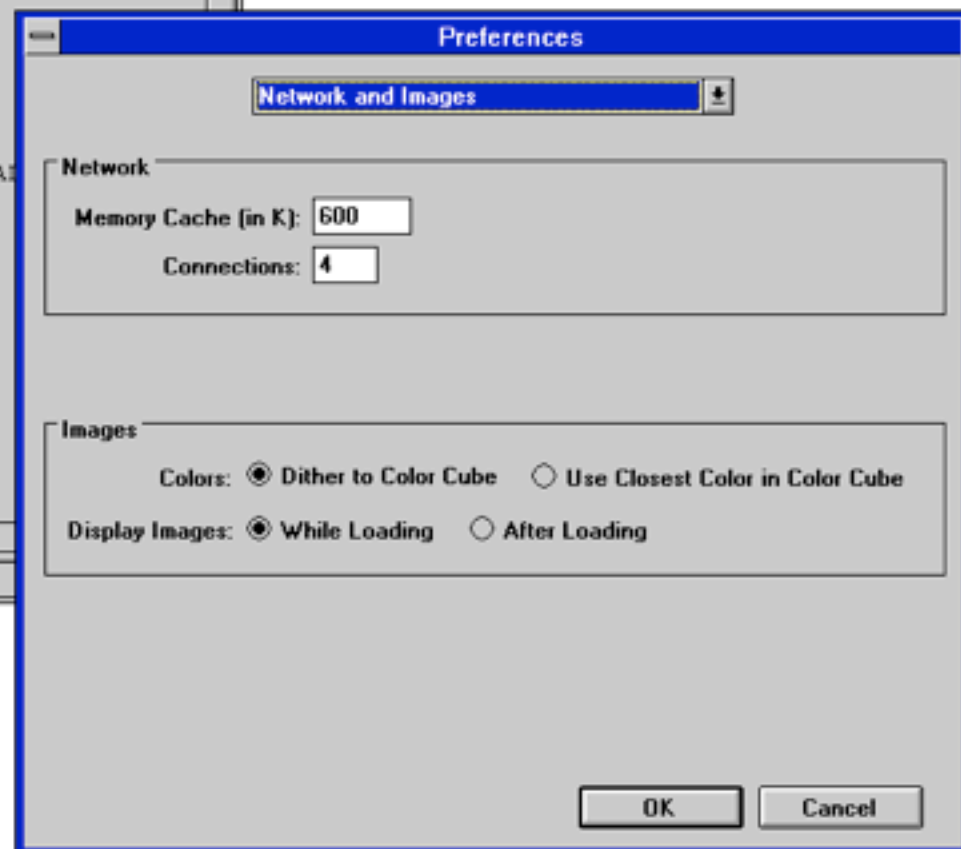
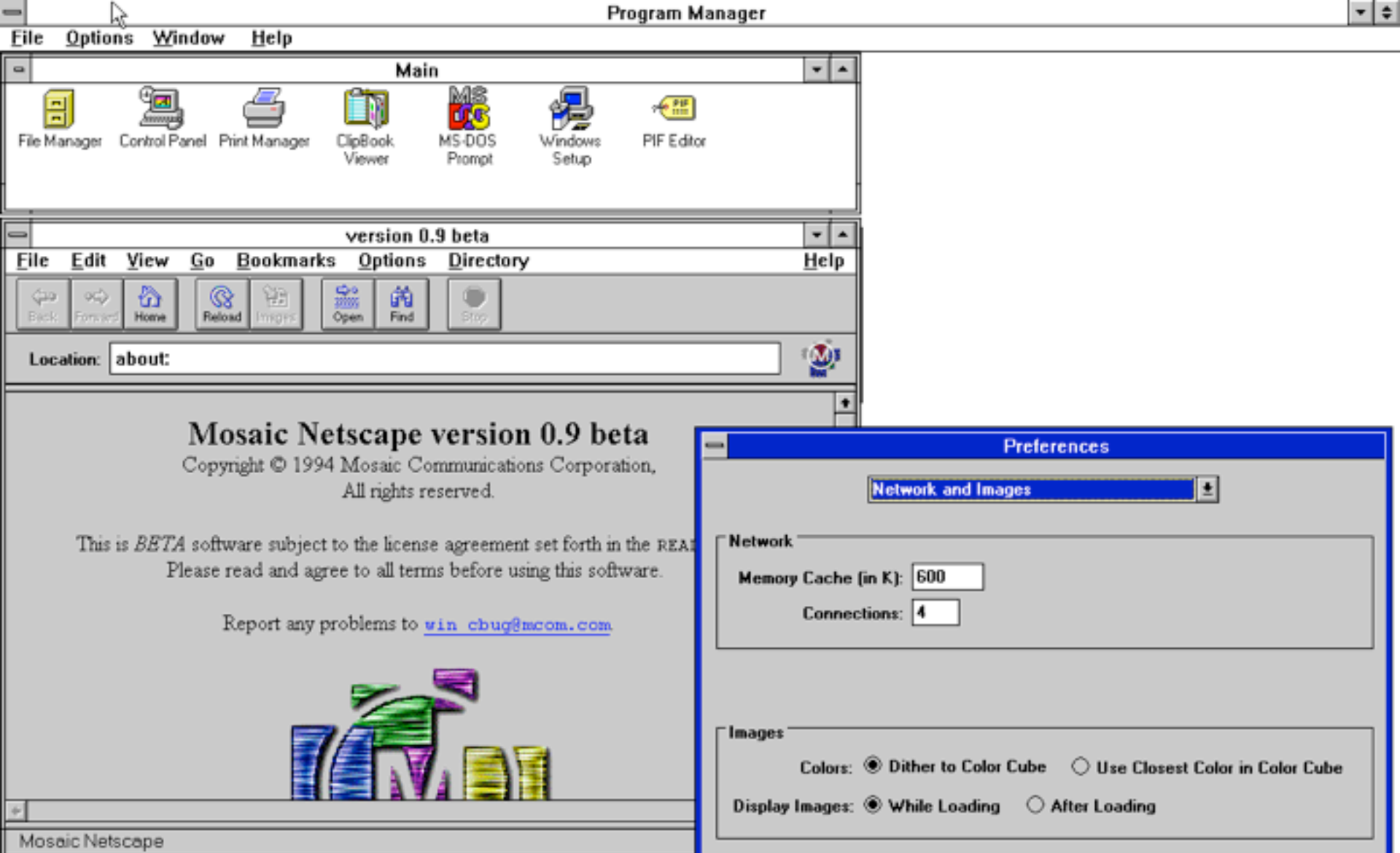
License: GPL

Website: lynx.isc.org

Lynx is a text-only Web browser and Internet Gopher client for use on cursor-addressable, character cell terminals.

Browsing in Lynx consists of highlighting the chosen link using cursor keys, or having all links on a page numbered and entering the chosen link's number. Current versions support SSL and many HTML features. Tables are linearized (scrunched together one cell after another without tabular structure), while frames are identified by name and can be explored as if they were separate pages.

Lynx is a product of the Distributed Computing Group within Academic Computing Services of the University of Kansas, and was initially developed in 1992 by a team of students at the university (Lou Montulli, Michael Grobe and Charles Rezac) as a hypertext browser used solely to distribute campus information as part of a Campus-Wide Information Server. In 1993 Montulli added an Internet interface and released a new version (2.0) of the browser [\[1\]](#) [\[2\]](#) [\[3\]](#).



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Microsoft Outlook Web Access - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites History Print Mail News RSS

Address http://w2ktestsvr001/exchange/ Go Links

Microsoft Outlook Web Access

Folders

Shortcuts

Inbox

Calendar

Contacts

Options

Log Off

New Reply Reply to all Forward

Administrator : Inbox

Items 1 to 23 (of 23)

From	Subject	Received	Size
Stephen Chetcuti	Re: Lab Series - PreOrder Discount	Wed 3/20/2002 7:46 PM	1 KB
ikakura	The commands you can use with this list server are	Wed 3/20/2002 7:35 PM	4 KB
CramSession	Securing Windows 2000 DNS Servers	Wed 3/20/2002 7:32 PM	39 KB
ikakura	The mailbox <Administrator@test1.local> was add	Wed 3/20/2002 7:30 PM	1 KB
ikakura	You have been removed from the list 'Test1_DL1'	Wed 3/20/2002 7:30 PM	612 B
ikakura	ERROR - You asked to UNSUBSCRIBE, but you do	Wed 3/20/2002 7:29 PM	812 B
ikakura	Members of list 'Test1_DL1'	Wed 3/20/2002 7:23 PM	526 B
ikakura	ERROR - You don't have permission to view the me	Wed 3/20/2002 7:21 PM	748 B
ikakura	ERROR - You don't have permission to view the me	Wed 3/20/2002 7:19 PM	748 B
ikakura	The mailbox <dontpanic@cox.net> was added to	Wed 3/20/2002 7:17 PM	802 B
ikakura	The mailbox <dontpanic@cox.net> was added to th	Wed 3/20/2002 7:16 PM	796 B
ikakura	Members of list 'Test1_DL1'	Wed 3/20/2002 7:14 PM	526 B
ikakura	Lists on this server:	Wed 3/20/2002 7:13 PM	702 B
ikakura	ERROR - You asked for MEMBERS of a list, but yo	Wed 3/20/2002 7:13 PM	764 B
ikakura	The mailbox <Administrator@test1.local> was add	Wed 3/20/2002 7:12 PM	1 KB
ikakura	ERROR - You asked to SUBSCRIBE to a list called	Wed 3/20/2002 7:11 PM	764 B
ikakura	Your request to add the mailbox <Administrator> t	Wed 3/20/2002 7:06 PM	622 B
Administrator	Fw: Event 109: ActiveX component can't create obj	Wed 3/20/2002 7:05 PM	2 KB
ikakura	The commands you can use with this list server are	Wed 3/20/2002 7:04 PM	7 KB
ikakura	Lists on this server:	Wed 3/20/2002 7:04 PM	474 B
CertCities@101 communication	CertCities News: Cisco on New CCNA, MCSE vs. b	Wed 3/20/2002 6:38 PM	15 KB
Administrator		Wed 3/20/2002 6:25 PM	528 B
Microsoft Outlook 2000	Welcome to Microsoft Outlook 2000!	Wed 3/20/2002 6:23 PM	35 KB

Local intranet

script.aculo.us
it's about the user interface, baby!

 **jQuery**
write less, do more.

 **jQuery**
user interface

Knockout.



BACKBONE.JS



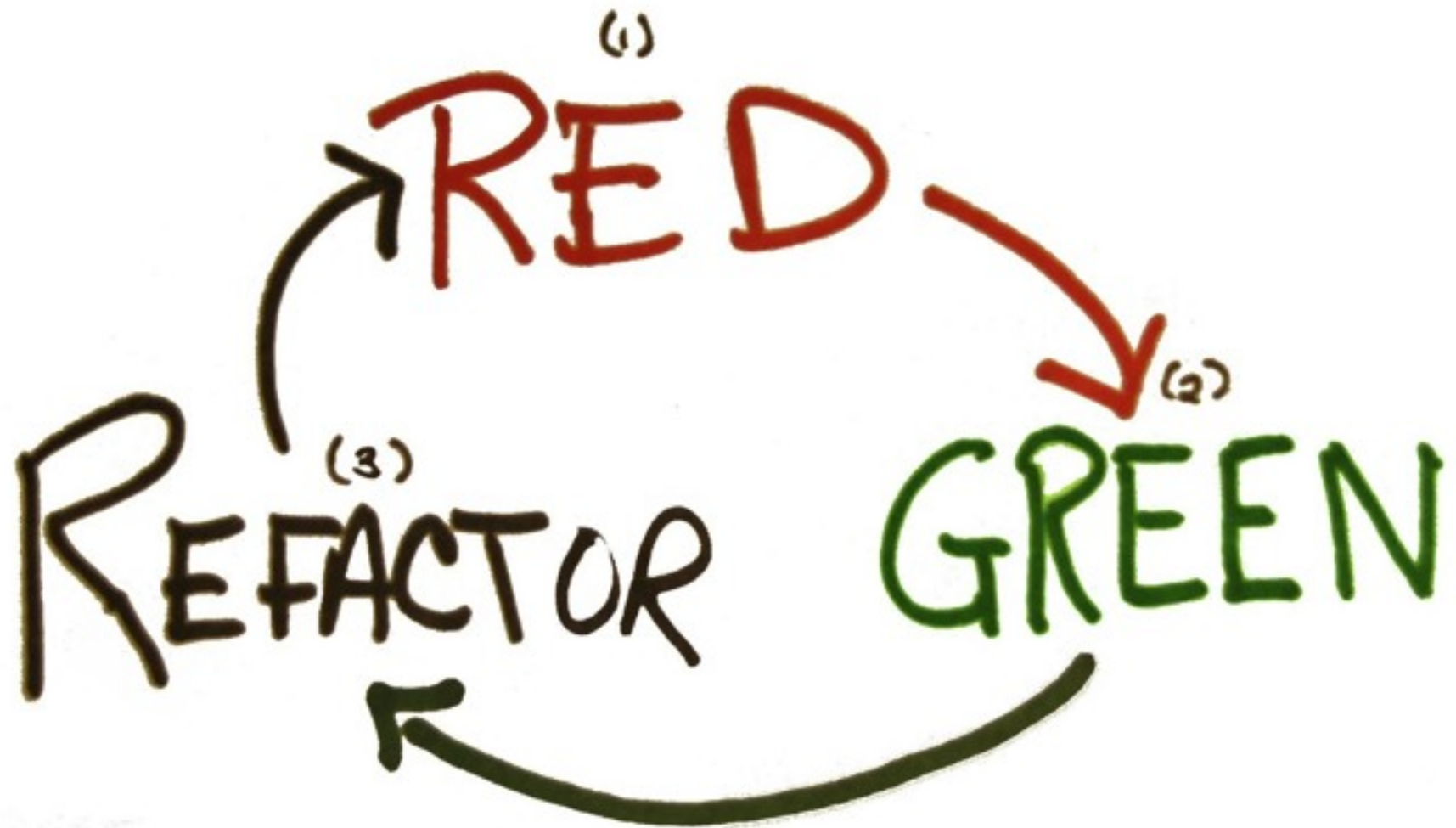
The Addison-Wesley Signature Series

TEST-DRIVEN DEVELOPMENT

BY EXAMPLE

KENT BECK





qUnit

QUnit Test Suite

☐ Hide passed tests ☐ Check for Globals ☐ No try-catch

Mozilla/5.0 (Macintosh; Intel Mac OS X 10.7; rv:14.0) Gecko/20100101 Firefox/14.0

Tests completed in 1854 milliseconds.
592 tests of 592 passed, 0 failed.

1. module without setup/teardown (default) (0, 1, 1) [Rerun](#)
2. expect in test (0, 3, 3) [Rerun](#)
3. expect in test (0, 1, 1) [Rerun](#)
4. assertion helpers: QUnit.assert compatibility (0, 4, 4) [Rerun](#)
5. setup test: module with setup (0, 2, 2) [Rerun](#)
6. setup test: module with setup, expect in test call (0, 2, 2) [Rerun](#)
7. setup/teardown test: module with setup/teardown (0, 3, 3) [Rerun](#)
8. setup/teardown test 2: module without setup/teardown (0, 1, 1) [Rerun](#)
9. teardown and stop: teardown must be called after test ended (0, 1, 1) [Rerun](#)
10. teardown and stop: parameter passed to stop increments semaphore n times (0, 1, 1) [Rerun](#)
11. teardown and stop: parameter passed to start decrements semaphore n times (0, 1, 1) [Rerun](#)
12. async setup test: module with async setup (0, 2, 2) [Rerun](#)
13. async teardown test: module with async teardown (0, 2, 2) [Rerun](#)
14. asyncTest: asyncTest (0, 2, 2) [Rerun](#)
15. asyncTest: asyncTest (0, 2, 2) [Rerun](#)
16. asyncTest: sync (0, 2, 2) [Rerun](#)
17. asyncTest: test synchronous calls to stop (0, 2, 2) [Rerun](#)
18. save scope: scope check (0, 2, 2) [Rerun](#)

```
1 | test( "hello test", function() {  
2 |     ok( 1 == "1", "Passed!" );  
3 | });
```




Jasmine

Context

- an empty shopping cart

Spec

- there should be nothing in the cart

```
describe("A suite", function() {  
  it("contains spec with an expectation", function() {  
    expect(true).toBe(true);  
  });  
});
```

mocha




```
describe('Array', function(){
  describe('#indexOf()', function(){
    it('should return -1 when the value is not present', function(){
      [1,2,3].indexOf(5).should.equal(-1);
      [1,2,3].indexOf(0).should.equal(-1);
    })
  })
})
```

ASYNC

qUnit


```
1  asyncTest( "asynchronous test: one second later!", function() {  
2      expect( 1 );  
3  
4      setTimeout(function() {  
5          ok( true, "Passed and ready to resume!" );  
6          start();  
7      }, 1000);  
8  });
```




Jasmine

```
describe("Asynchronous specs", function() {  
  var value, flag;  
  
  it("should support async execution of test preparation and expectations", function() {  
  
    runs(function() {  
      flag = false;  
      value = 0;  
  
      setTimeout(function() {  
        flag = true;  
      }, 500);  
    });  
  
    waitsFor(function() {  
      value++;  
      return flag;  
    }, "The Value should be incremented", 750);  
  
    runs(function() {  
      expect(value).toBeGreaterThan(0);  
    });  
  });  
});
```

mocha

```
describe('User', function(){  
  describe('#save()', function(){  
    it('should save without error', function(done){  
      var user = new User('Luna');  
      user.save(function(err){  
        if (err) throw err;  
        done();  
      });  
    })  
  })  
})
```



```
describe('User', function(){  
  describe('#save()', function(){  
    it('should save without error', function(done){  
      var user = new User('Luna');  
      user.save(done);  
    })  
  })  
})
```

Resources

- QUnit
 - <http://qunitjs.com/>
 - <https://github.com/liammclennan/JavaScript-Koans>
- Jasmine
 - <http://pivotal.github.com/jasmine/>
 - <https://github.com/velesin/jasmine-jquery/>
- Mocha
 - <http://visionmedia.github.com/mocha/>
- Chai
 - <http://chaijs.com>