




Seaside

Lukas Renggli
www.lukas-renggli.ch



**What has happened
since**  **?**

**What will happen
after**  **?**



10 Steps to Mastering The Art of Seaside

Lukas Renggli
renggli@iam.unibe.ch

Different by Design

- We share as much state as possible.
- We don't use clean, carefully chosen, or meaningful URLs.
- We don't use templates to separate the model from the presentation.

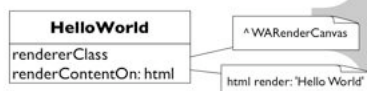
Components

- Components are the Views (and Controllers) of a Seaside application.
- Components keep their state (model and user-interface) in *instance-variables*.



Rendering

- Override the *template-method* #renderContentOn: to generate the view.
- Rendering is a *read-only* phase.



Deprecated: Old Renderer

```

html
anchorWithCallback: [ self doIt ]
text: 'click me'
  
```

Default: Canvas Renderer

```
html anchor  
  callback: [ self doIt ];  
  with: 'click me'
```



Seaside
2.7

Canvas API for <head>

Canvas API for <head>

```
html meta  
  name: 'generator';  
  content: 'Pier'
```

Deprecation Warning

Deprecation Warning

File Library

File Library

```
html stylesheet
url: PRFileLibrary / #mainCss
```

Many Bug Fixes

Seaside 2.7

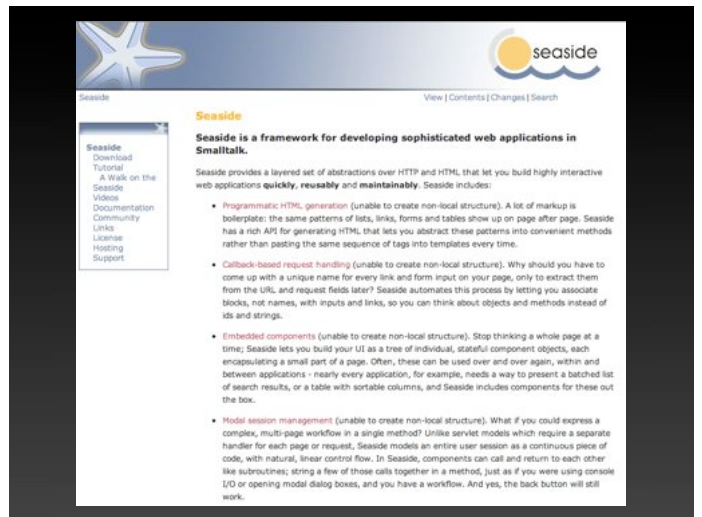
Released
February 2007

Release Team

Avi Bryant

Lukas Renggli
Philippe Marschall
Michel Bany

Widely adopted
as of today



The screenshot shows the Seaside website homepage. At the top right is the Seaside logo, which consists of a stylized sun and waves. Below the logo are navigation links: "View | Contents | Changes | Search". The main heading is "Seaside is a framework for developing sophisticated web applications in Smalltalk." Below this, a paragraph describes Seaside as a layered set of abstractions over HTTP and HTML. A list of features follows, each with a bullet point and a note in parentheses: "Programmatic HTML generation (unable to create non-local structure)", "Callback-based request handling (unable to create non-local structure)", "Embedded components (unable to create non-local structure)", and "Modal session management (unable to create non-local structure)". On the left side, there is a sidebar menu with links: "Seaside", "Download", "Tutorial", "A Walk on the Seaside", "Videos", "Documentation", "Community", "Links", "License", "Hosting", and "Support".

Web Site 2.0

Released
July 2007

www.seaside.st

Pier CMS

on top of
Seaside

Interactive Examples

together with
>250 other
Seaside Apps

hosted on

www.seasidehosting.st

Web 2.0
Design

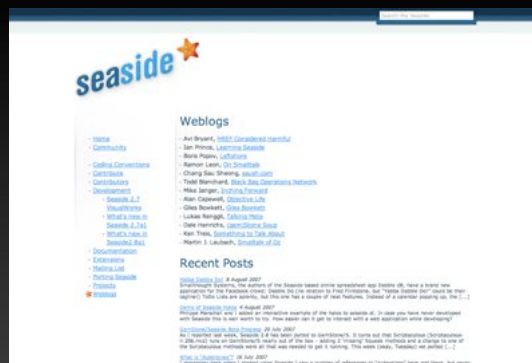
designed by

Samuel MORELLO

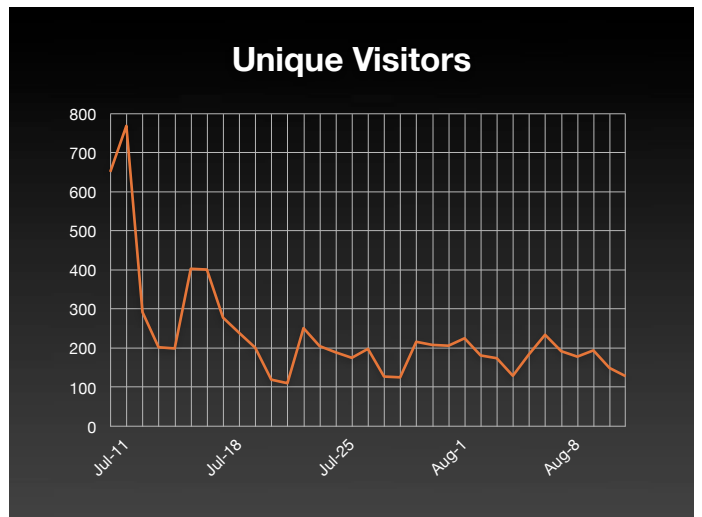
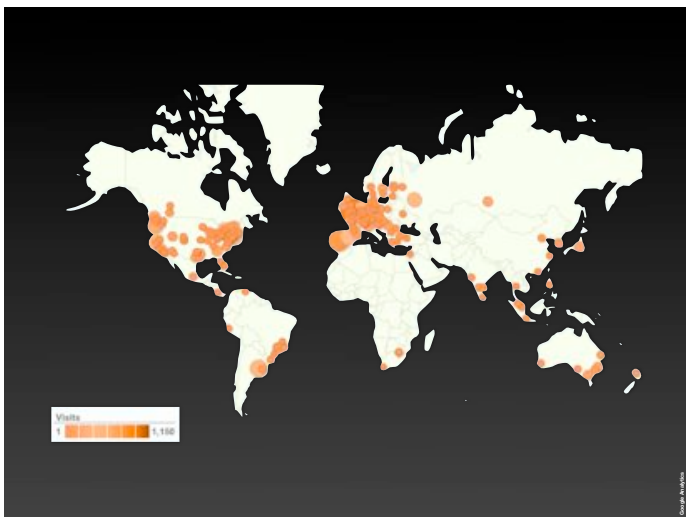
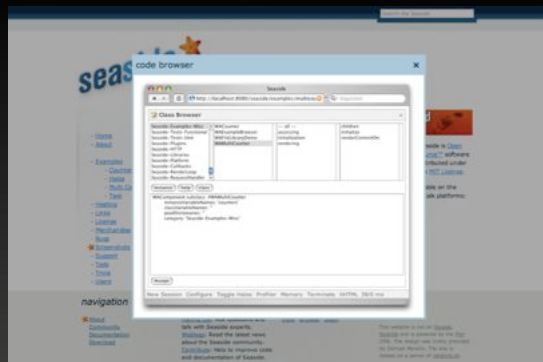
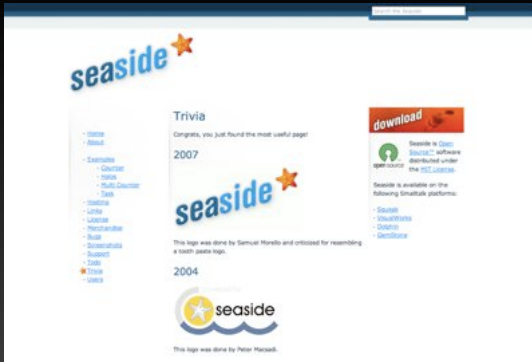
seaside 



The screenshot shows the homepage of the Seaside framework. The header features the 'seaside' logo with an orange star and the tagline 'The framework for developing sophisticated web applications in Smalltalk'. Below the header, there are several columns of content: 'About' with links to Schedules, Docs, Contribute, Links, and History; 'Documentation' with links to Doc, Tutorial, and Video; 'Community' with links to Mailing List, Development, Contribute, and Friends; 'News' with a 'download' button and a link to 'Seaside 1.0.0'; and a 'participate' section with links to 'Join', 'Contribute', and 'Download'. A 'manage' section is also visible at the bottom.



The screenshot shows the 'Weblogs' section of the Seaside website. It features a list of weblogs with links to 'Home', 'Comments', 'Credits/Contributors', 'Contribute', 'Downloads', 'Seaside 1.0', 'Seaside 1.0.1', 'Seaside 1.0.2', 'Seaside 1.0.3', 'Seaside 1.0.4', 'Seaside 1.0.5', 'Seaside 1.0.6', 'Seaside 1.0.7', 'Seaside 1.0.8', 'Seaside 1.0.9', 'Seaside 1.0.10', 'Seaside 1.0.11', 'Seaside 1.0.12', 'Seaside 1.0.13', 'Seaside 1.0.14', 'Seaside 1.0.15', 'Seaside 1.0.16', 'Seaside 1.0.17', 'Seaside 1.0.18', 'Seaside 1.0.19', 'Seaside 1.0.20', 'Seaside 1.0.21', 'Seaside 1.0.22', 'Seaside 1.0.23', 'Seaside 1.0.24', 'Seaside 1.0.25', 'Seaside 1.0.26', 'Seaside 1.0.27', 'Seaside 1.0.28', 'Seaside 1.0.29', 'Seaside 1.0.30', 'Seaside 1.0.31', 'Seaside 1.0.32', 'Seaside 1.0.33', 'Seaside 1.0.34', 'Seaside 1.0.35', 'Seaside 1.0.36', 'Seaside 1.0.37', 'Seaside 1.0.38', 'Seaside 1.0.39', 'Seaside 1.0.40', 'Seaside 1.0.41', 'Seaside 1.0.42', 'Seaside 1.0.43', 'Seaside 1.0.44', 'Seaside 1.0.45', 'Seaside 1.0.46', 'Seaside 1.0.47', 'Seaside 1.0.48', 'Seaside 1.0.49', 'Seaside 1.0.50'. Below the list, there is a 'Recent Posts' section with a link to 'Seaside 1.0.50'.



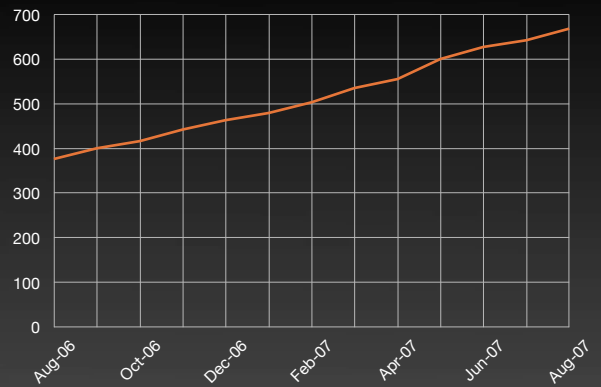
Community



Contributors

Michel Bany, Torsten Bergmann, Hwee Boon Yar, Avi Bryant, Cédric Béler, Damien Cassou, Andrew Catton, Julian Fitzell, Tony Garnock-Jones, William Harford, William Harford, Keith Hodges, Göran Krampe, Pavel Krivanek, Ramon Leon, Adrian Lienhard, Peter Macsadi, Philippe Marschall, Samuel Morello, Boris Popov, Lukas Renggli, Mike Roberts, Jason Rogers, Danie Roux, David Shaffer, Anselm Strauss, Ron Teitelbaum, Diaz Trepal Ramiro

Mailing List Members



Hello
tomorrow
Seaside 2.8

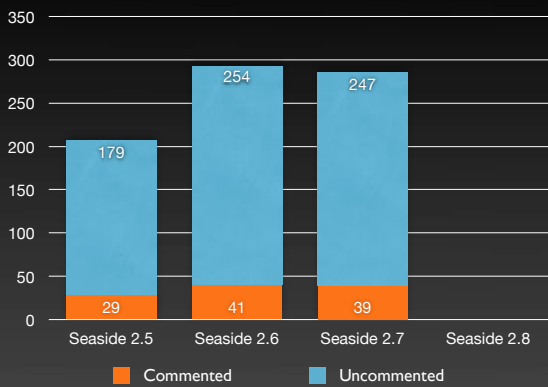


Benchmarks

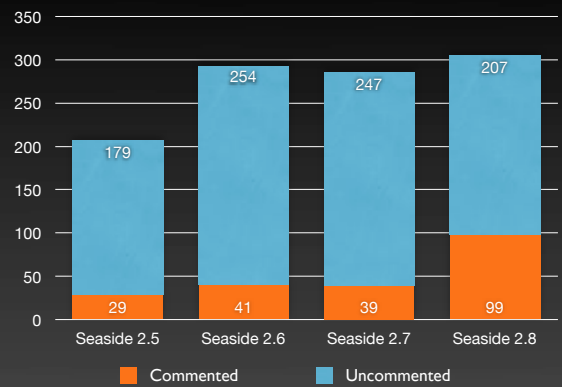
“Between 0 and 1 percent.”
“Has that ever been a problem?”
“No, never.”

-- Kent Beck

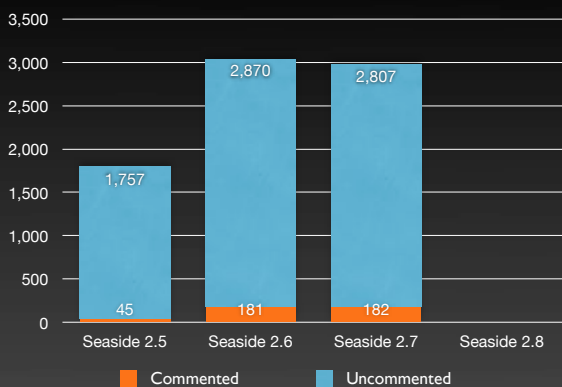
Class Comments



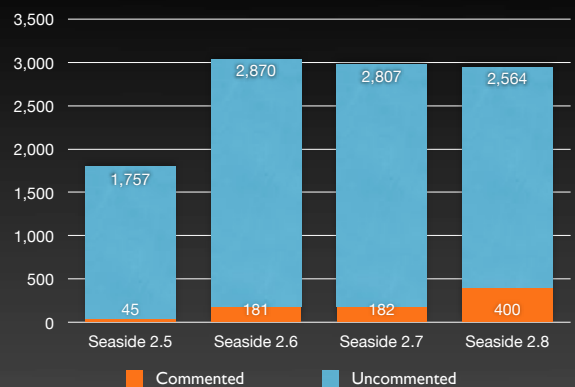
Class Comments



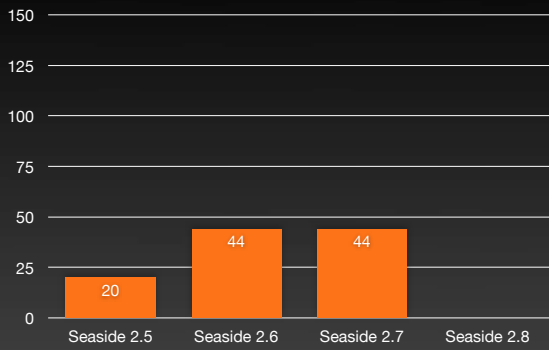
Method Comments



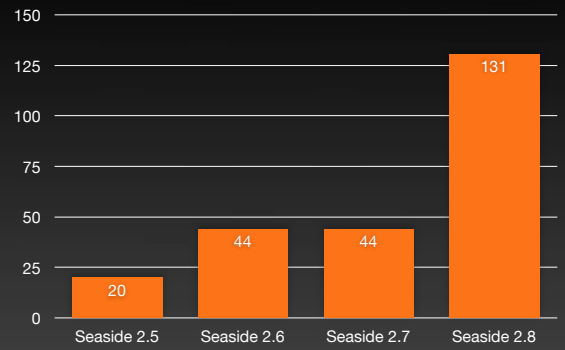
Method Comments



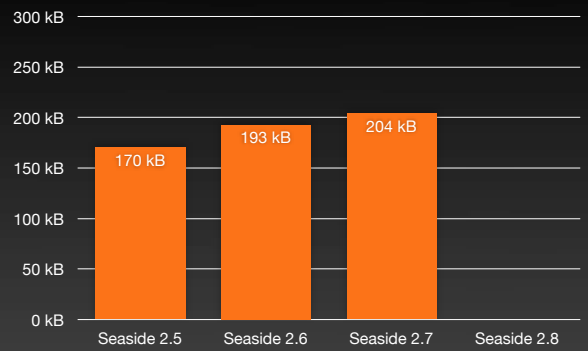
Unit Tests



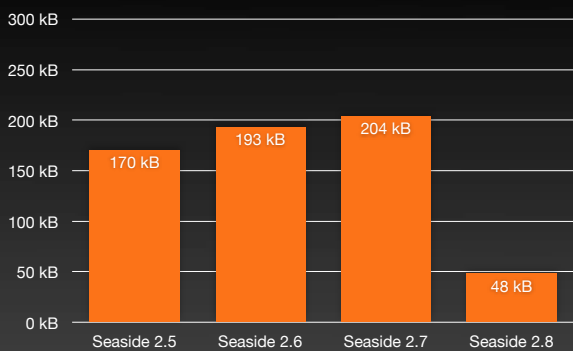
Unit Tests



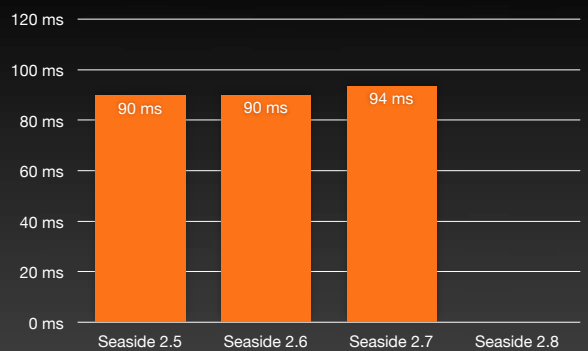
Memory Requirements



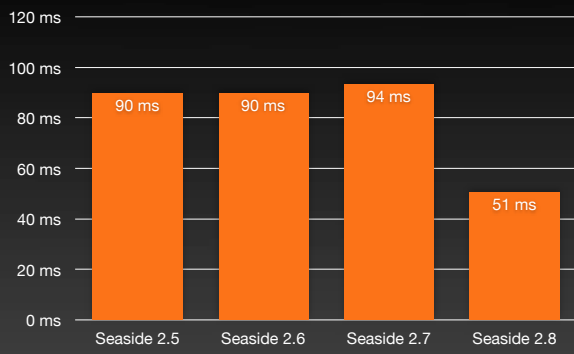
Memory Requirements



Rendering Speed



Rendering Speed



What's new?



Old Renderer

Development
Tool Plugins



Toolbar

New Session Configure Toggle Halos Profiler Memory Terminate **Deprecated** XHTML 10/12 ms

WACounter [RIS]

Halos

seaside★

Seaside2.8a1-pmm.457.mcz 23 August 2007 6:38:16 am

/seaside/

browse	Dispatcher Viewer	Configure	Copy	Remove
config	Dispatcher Editor	Configure	Copy	Remove
examples	Directory	Configure	Copy	Remove
files	Files	Configure	Copy	Remove
tests	Directory	Configure	Copy	Remove
tools	Directory	Configure	Copy	Remove

Backtracking of State



Old Backtracking

```
initialize
  super initialize.
  self session
    registerObjectForBacktracking:
      model
```

New Backtracking

```
states
  ^ Array with: model
```

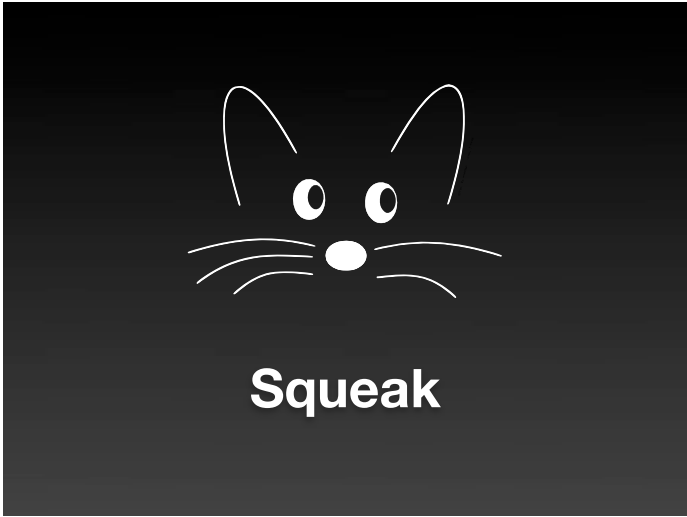
**First-Class
URLs**

**Improved
Streaming**

Seaside 2.8 

Seaside 2.8 

Today
30 August 2007



official



VisualWorks

soon



GNU Smalltalk

**next
release**



VisualAge Smalltalk



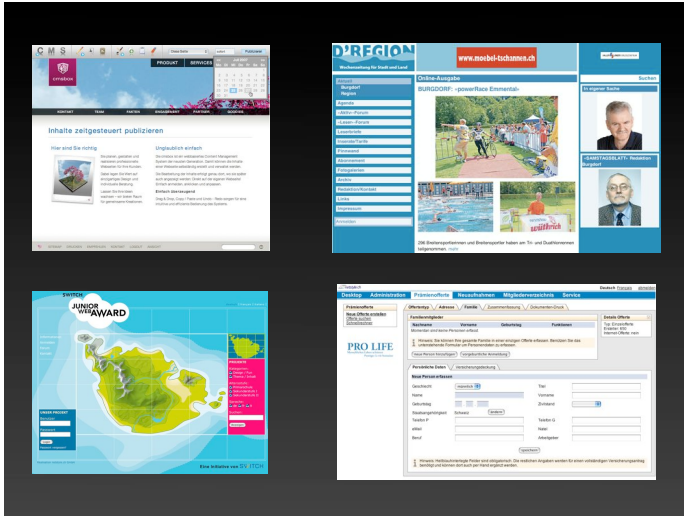
Dolphin Smalltalk

**Success
Stories**





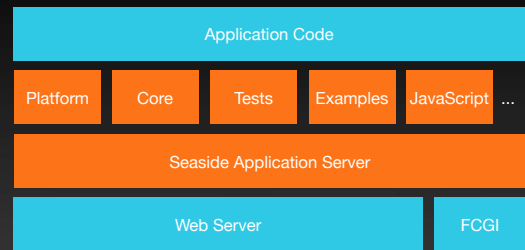
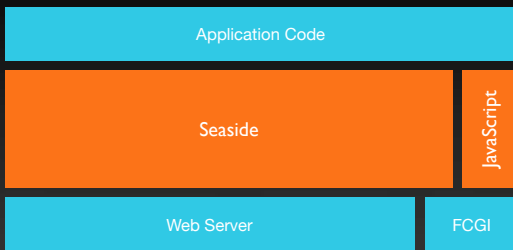
Christoph Wyseier
CEO netstyle.ch



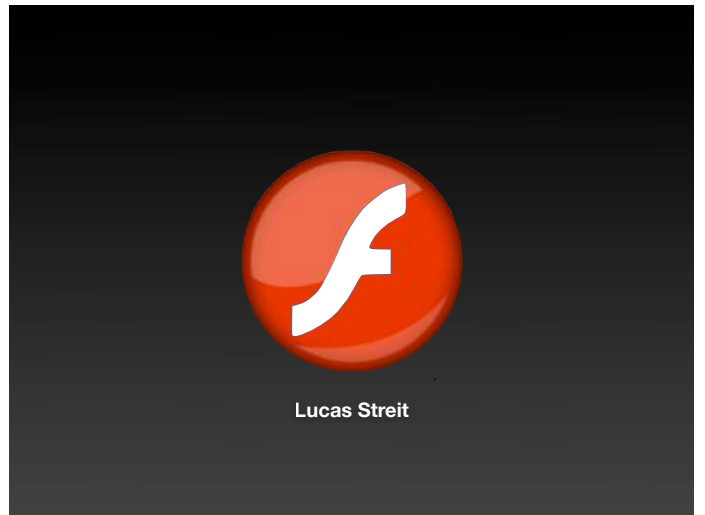
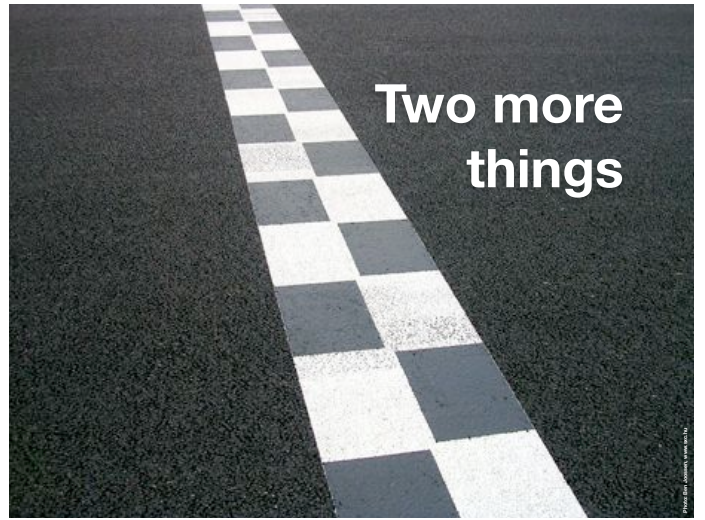
Seaside 2.8

Seaside 2.9

Modularize Seaside



Web Site Maintainer
Documentation Writer
Code Contributor



seaside 