



Agile Software Development

ESUG 2010, Barcelona, Spain



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[@renggli](#) question your talk tomorrow:
if i already use Seaside heavily, is it
worth getting up at 4:30 am to watch or
is it..



about 12 hours ago via Echofon

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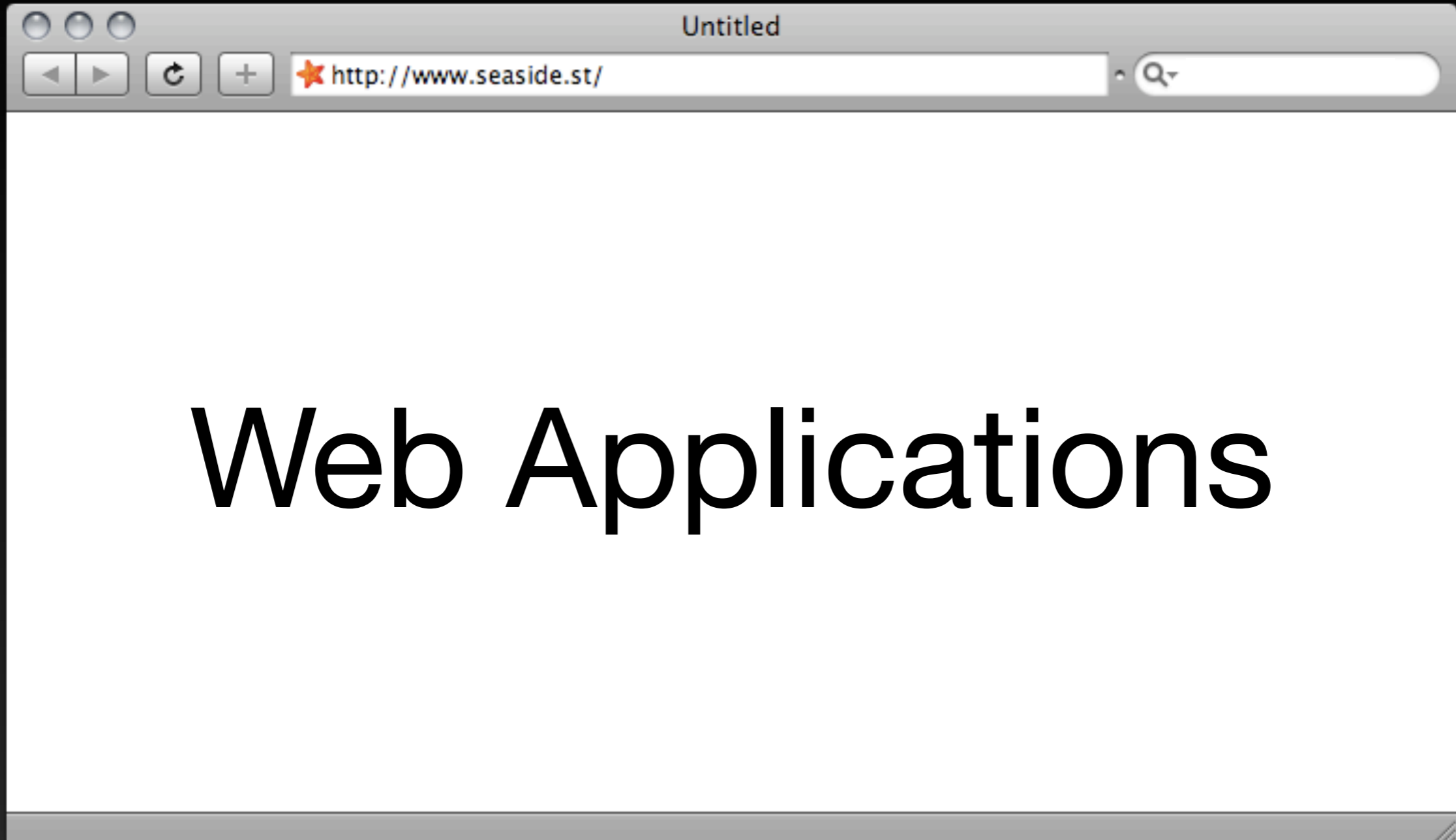


SeanTAllen

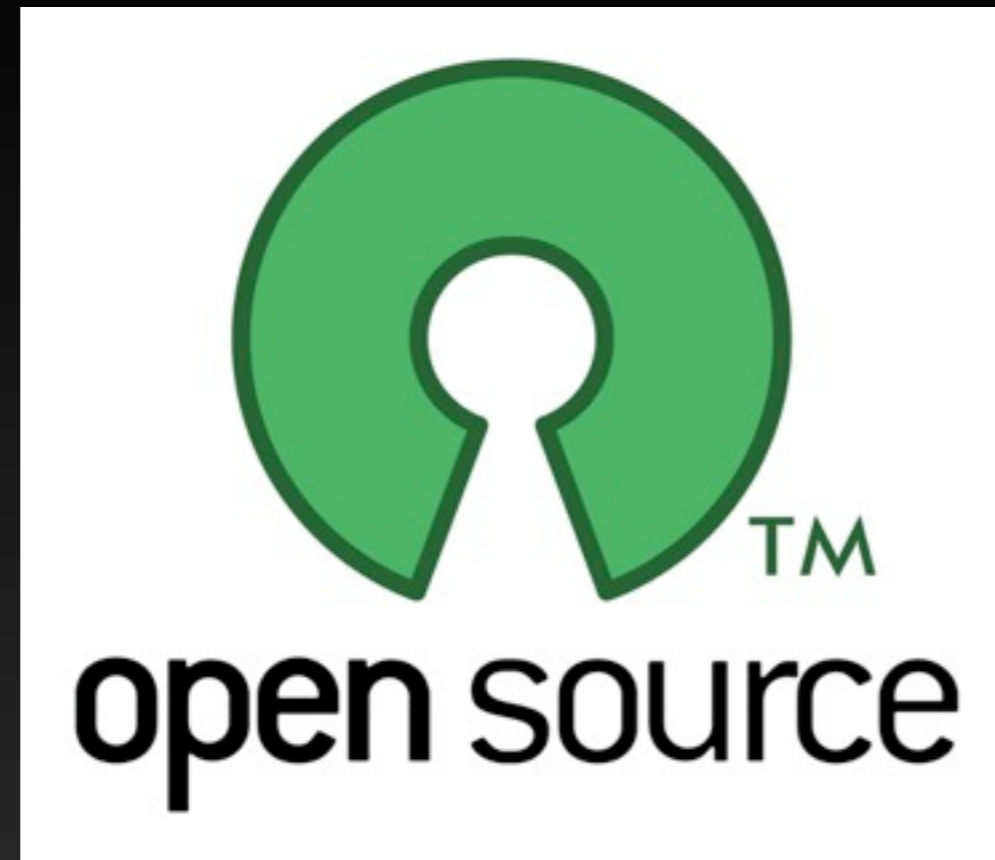
Sean T Allen



Seaside

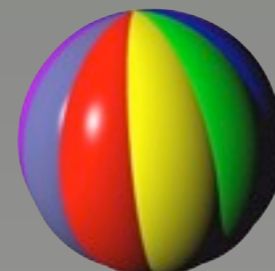


Web Applications



MIT License

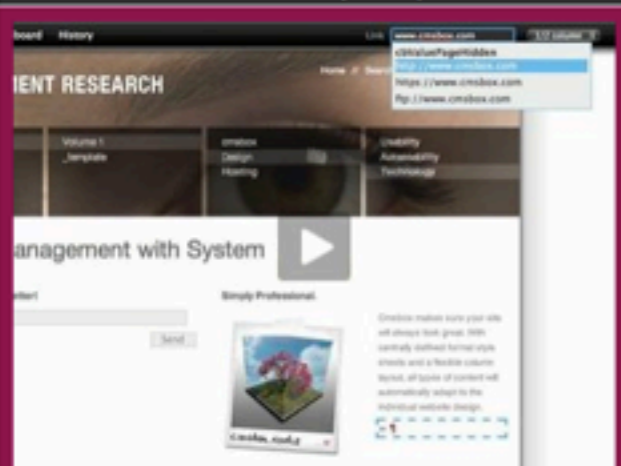
PharO

The logo for PharO features the word "PharO" in a blue, glossy, sans-serif font. The letter "O" is replaced by a blue sphere containing a stylized lighthouse with a red top and a blue body.



Cmsbox – systematic content management

Watch the cmsbox video (3 min)



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It just works.

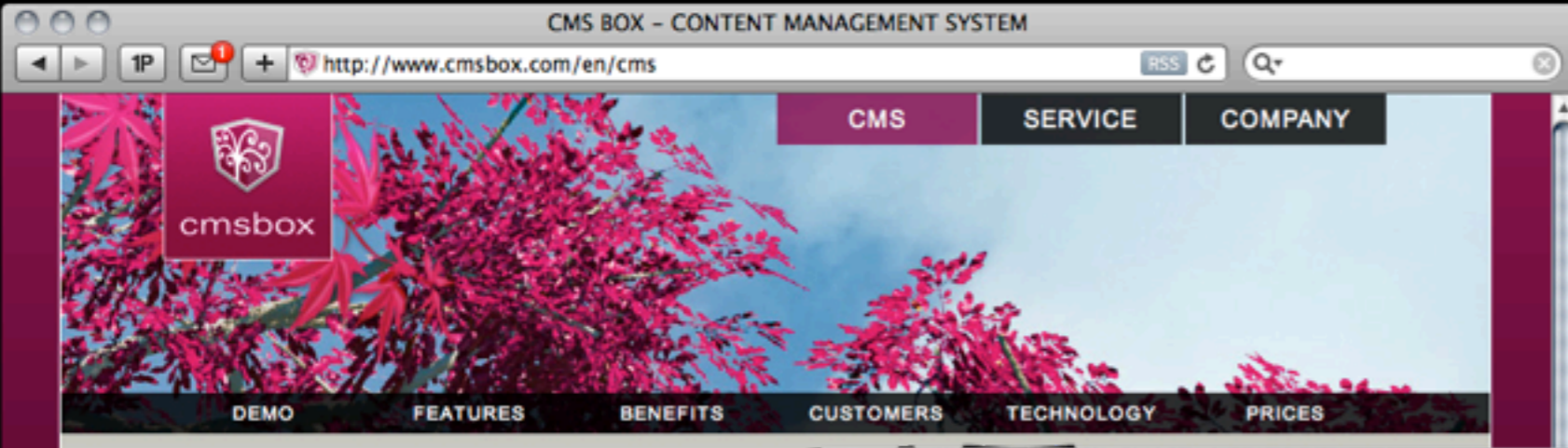
Cmsbox, the beautifully designed, super-easy, yet powerful and flexible Content Management System (CMS) offers everything you need to create, edit and enhance the content of your web site. All elements and contents can be arranged and customized directly on your own web site.

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Simply professional.

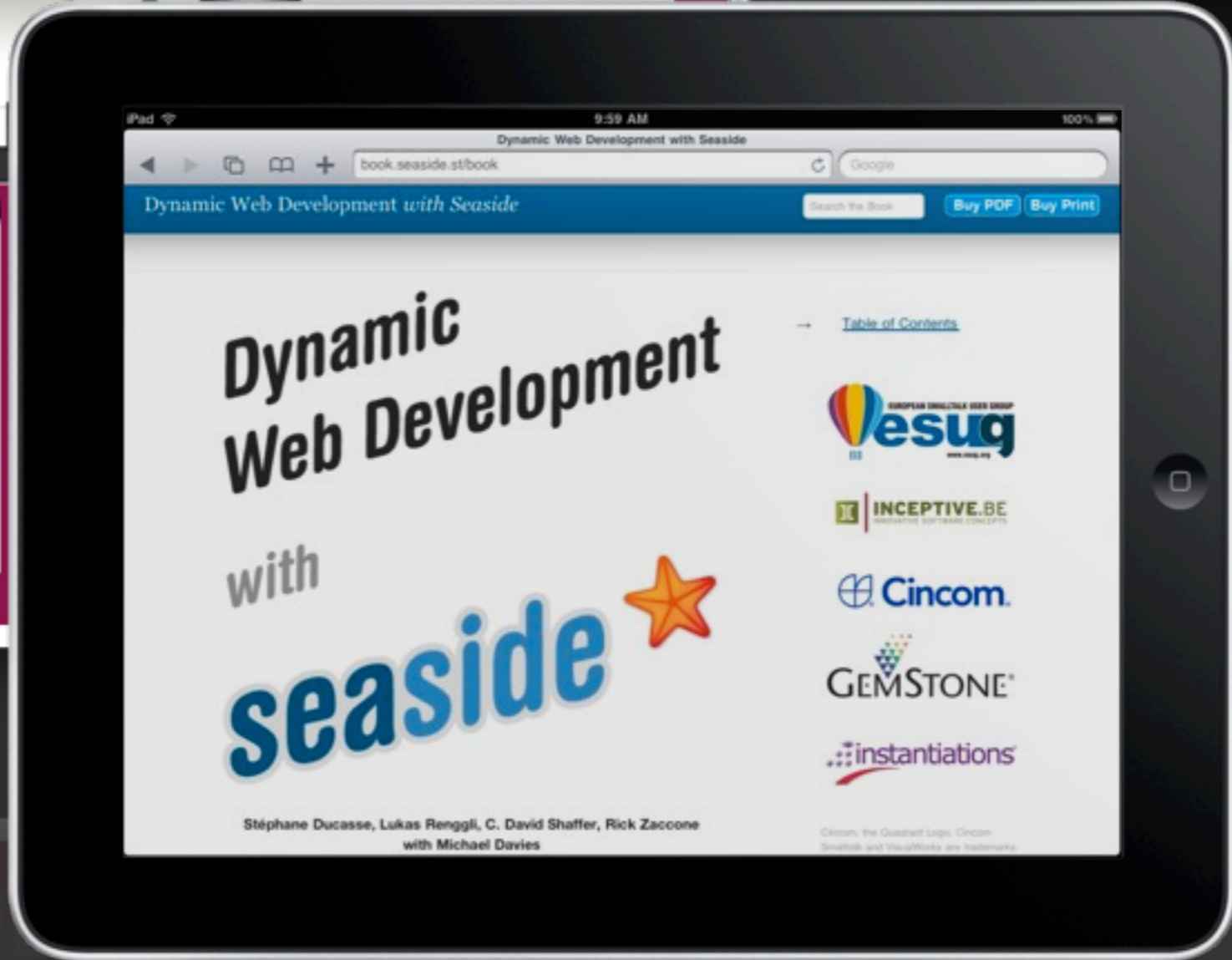
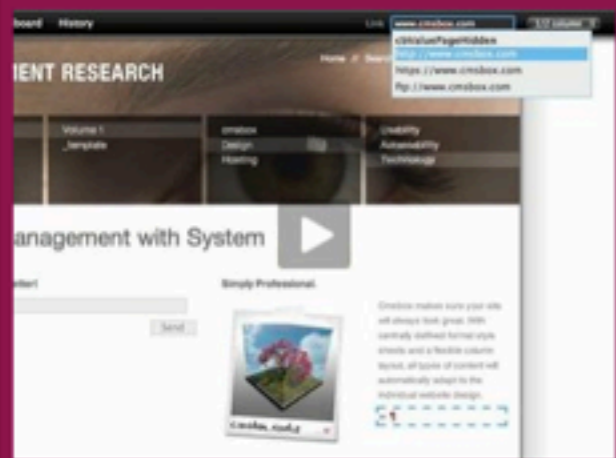
Cmsbox makes sure your site will always look great. With centrally defined format style sheets and a flexible column layout, all types of content will automatically adapt to the individual website design.

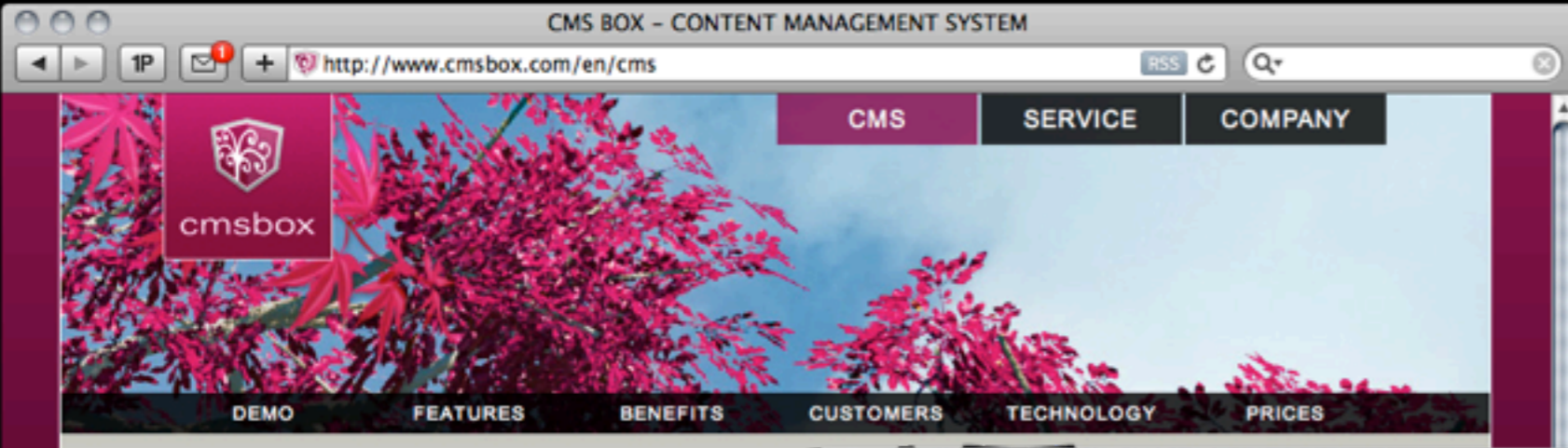
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Cmsbox – systematic content

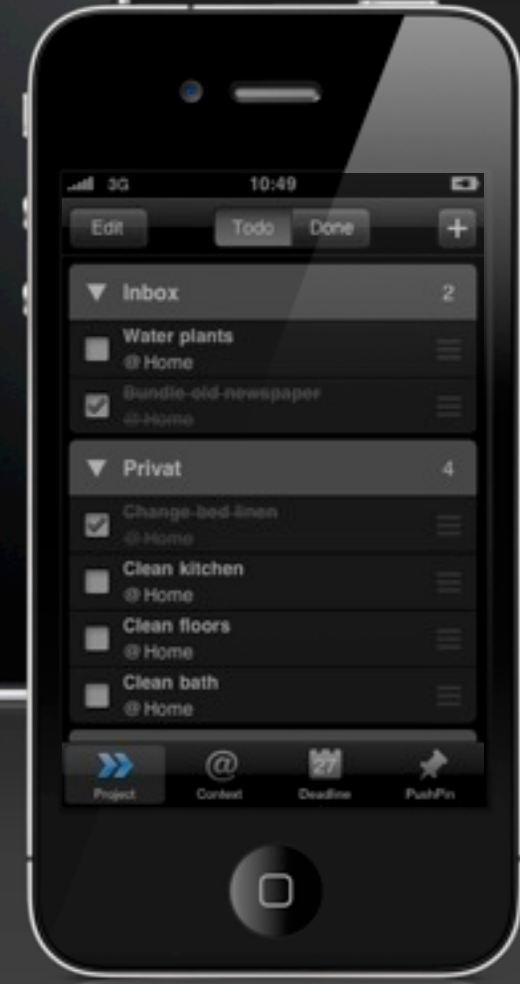
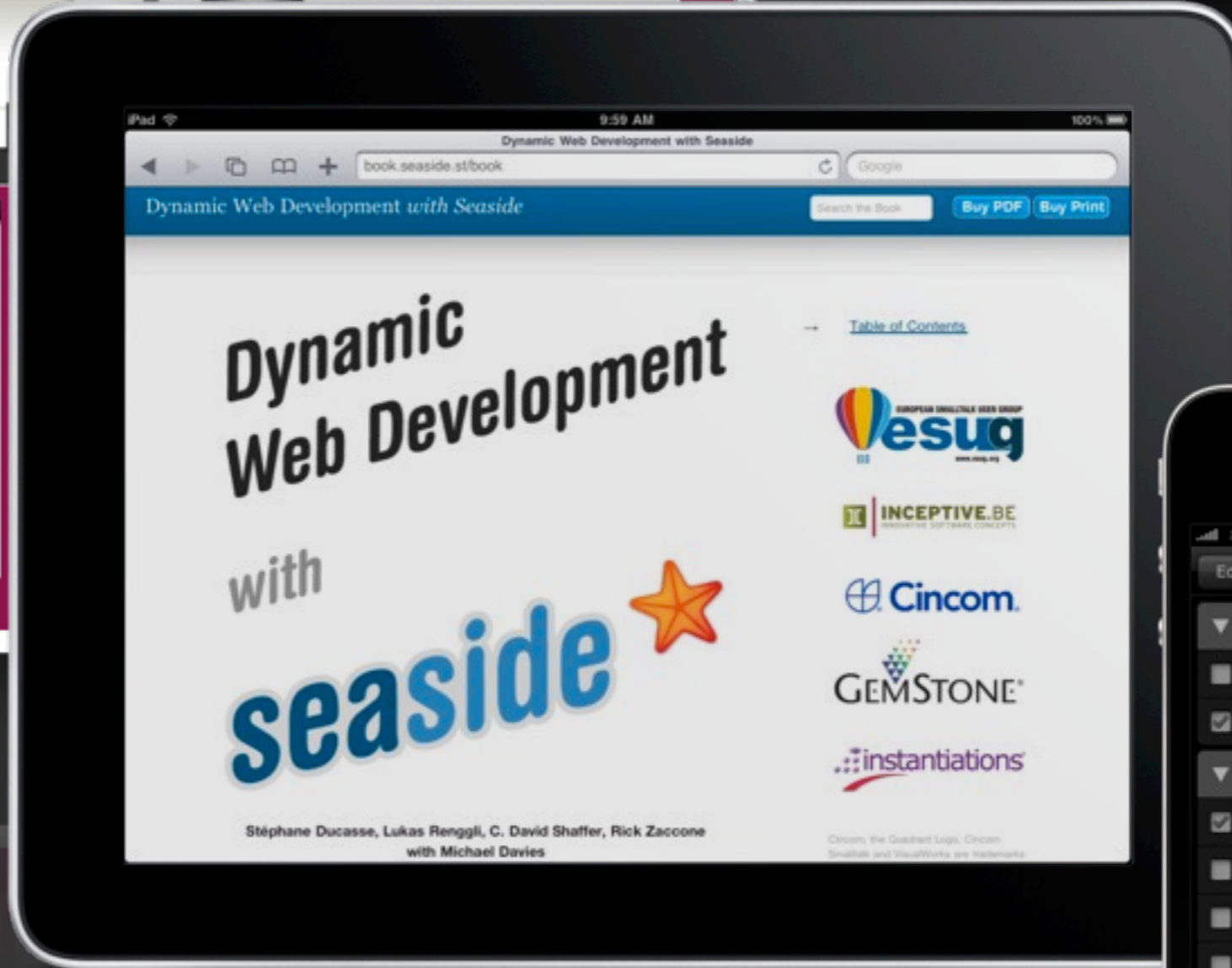
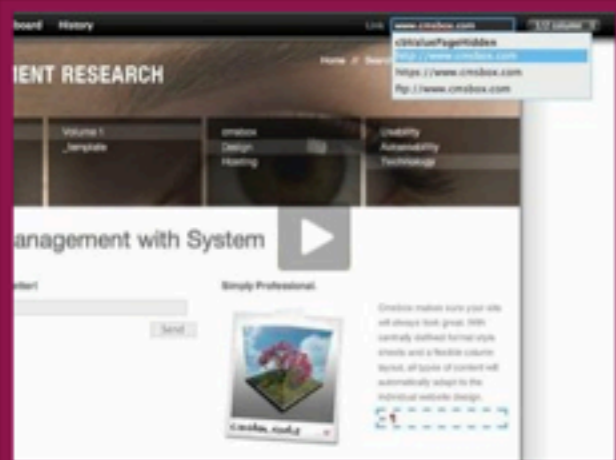
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Cmsbox – systematic content

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Independent Living

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Vocational

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Recreation & Leisure

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Admin Tire (anonymous)

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Add Category



Top Category



Independent Living

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Vocational

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Recreation & Leisure

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Add Category

Control Flow



WACounter   

[R|S]

Development tools



Built in Security

 **jQuery**

 **USER
INTERFACE**

 **prototype**

script.aculo.us

dōjō

dōjōX

seaside 

**Agile Software
Development**

Agile Manifesto

- ★ Individuals and Interactions
- ★ Working Software
- ★ Customer Collaboration
- ★ Responding to Change

<http://agilemanifesto.org/>

Agenda

- ★ Individuals and Interactions
- ★ Working Software
- ★ Customer Collaboration
- ★ Responding to Change

<http://agilemanifesto.org/>

Individuals and Interactions

over processes and tools





TM

open source



Sprints & Camps

Seaside Sprint Amsterdam 2008

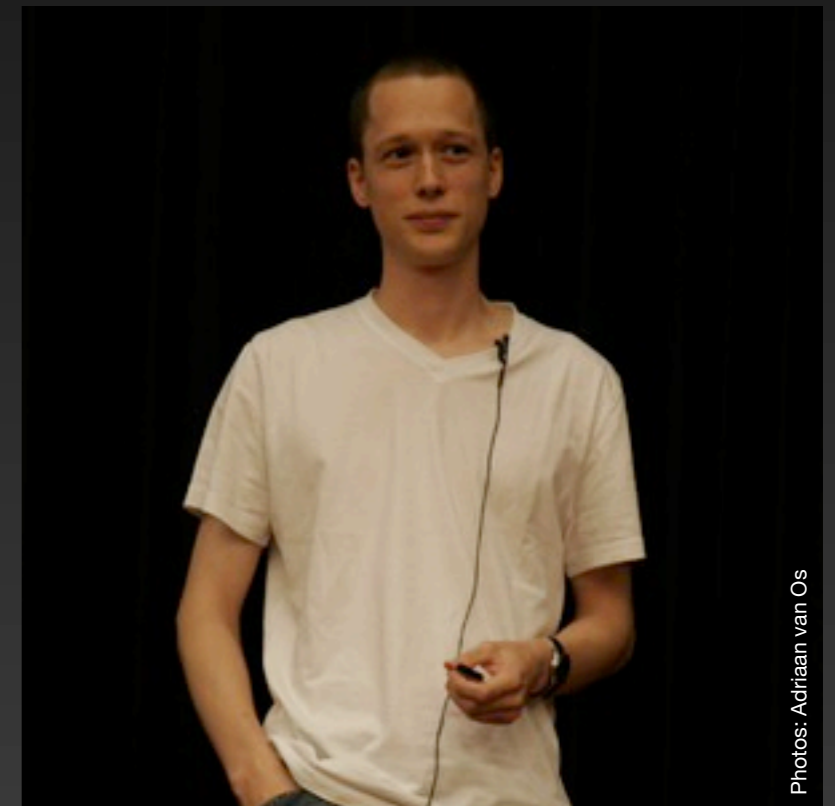






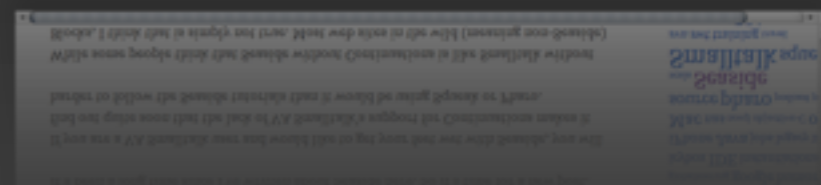
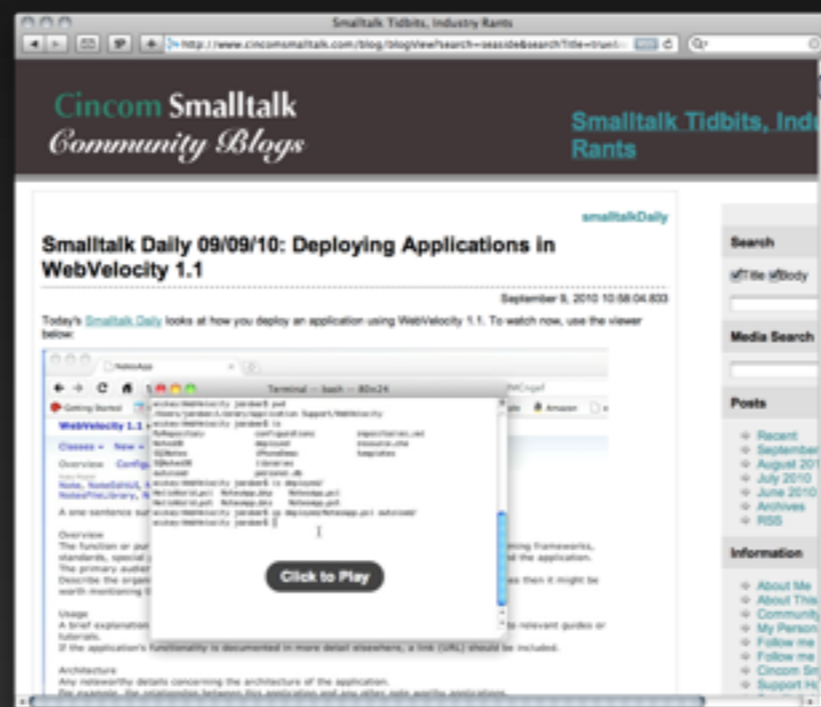
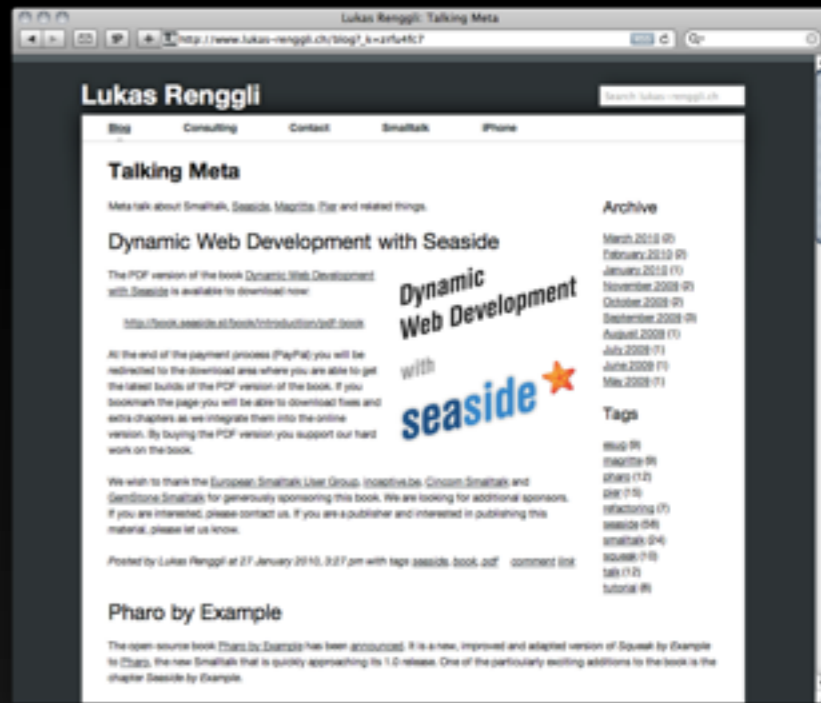
Motivated Individuals





Photos: Adriaan van Os

Presentations & Demonstrations



Blogs & Tweets

Dynamic Web Development

with **seaside** 


Stéphane Ducasse, Lukas Renggli,
David C. Shaffer, Rick Zaccane
with Michael Davies

with Michael Davies
David C. Shaffer, Rick Zaccane
Stéphane Ducasse, Lukas Renggli

IEEE BUILDING THE COMMUNITY OF LEADING SOFTWARE PRACTITIONERS

Software


Dynamically Typed Languages



SEPTEMBER | OCTOBER 2007

10 | Voice of Evidence 18 | The Economics of Architecture 86 | Open Source Integration


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Michael Porschold
David Tibbe
Martin Beck
Stefan Berger
Peter Oeburg
Jeff Eastman
Michael Haupt
Robert Hirschfeld

An Introduction to Seaside

Developing Web Applications with Squeak and Smalltalk



Developing Web Applications
with Squeak and Smalltalk

AN INTRODUCTION TO SEASIDE

Books & Articles

Individuals and interactions

over processes and tools

*and we have mandatory processes and tools
to help how those individuals interact.*

<http://halfarsedagilemanifesto.org/>

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label:seaside Search Mail Search the web [Show search options](#)
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Mail Remove label "seaside" 1 - 50 of 4350 [Older](#) [Oldest](#)

<input type="checkbox"/>	<input type="checkbox"/>	★ Johan .. Stéphane, Reza (14)	seaside	Inbox	myself pharo	[Seaside] return character magic? - At 20:28 30/08/2010, Johan Bric	09:35
<input type="checkbox"/>	<input type="checkbox"/>	★ Andrei .. Rick, Johan (15)	seaside	Inbox		[Seaside] JQueryWidgetBox -> JQWidgetBox-MbMenu - That error is saying that th	08:19
<input type="checkbox"/>	<input type="checkbox"/>	★ Lawson, Bob (3)	seaside	Inbox		[Seaside] freeform placement of elements in seaside...? - On 8/30/10 7:27 PM, Bob	06:25
<input type="checkbox"/>	<input type="checkbox"/>	★ laurent, me (3)	seaside	Inbox	myself	[Seaside] markup - how to - On Sat, Aug 28, 2010 at 10:00 AM, Lukas Renç	22:37
<input type="checkbox"/>	<input type="checkbox"/>	★ Lawson .. radoslav (10)	seaside	Inbox	myself	[Seaside] JQuery UI slider updates textfied and textfield updates slider: how	30 Aug
<input type="checkbox"/>	<input type="checkbox"/>	★ John, Bart, me (3)	seaside	Inbox	myself	[Seaside] JQuery options - There are various JQuery calls that accept other,	30 Aug
<input type="checkbox"/>	<input type="checkbox"/>	★ John McKeon	seaside	Inbox		[Seaside] JQueryWidgetBox Timepickr - Hello all, Needing a decent JQuery Time pi	29 Aug
<input type="checkbox"/>	<input type="checkbox"/>	★ Joel, Johan, David, Bart (16)	seaside	Inbox		[Seaside] SeasideTesting and WebTester w/ Selenium - On Sat, Aug 28, 2010 at 1:	28 Aug
<input type="checkbox"/>	<input type="checkbox"/>	★ Dale Henrichs	seaside	Inbox		[Seaside] [ANN] ConfigurationOfSeaside30 version 3.0.0-rc.2available - new version	27 Aug
<input type="checkbox"/>	<input type="checkbox"/>	★ Bart, Julian, me, Boris (7)	seaside	Inbox	myself	[Seaside] Possible bug in WAAAdmin register: aRequestHandlerClass at: aSt	27 Aug
<input type="checkbox"/>	<input type="checkbox"/>	★ Andy .. Philippe, Sven (15)	seaside	Inbox		[Seaside] Does anyone offer Seaside hosting yet? - On 26 Aug 2010, at 10:34, Phill	26 Aug
<input type="checkbox"/>	<input type="checkbox"/>	★ Sven, Philippe (2)	seaside	Inbox		[Seaside] Seaside Uptime - 2010/8/24 Sven Van Caekenberghes <sven@beta9.be>:	24 Aug
<input type="checkbox"/>	<input type="checkbox"/>	★ Sven .. Rick, Boris (13)	seaside	Inbox		[Seaside] Seaside Access/Activity Logging - The biggest benefit to outside reportinç	24 Aug
<input type="checkbox"/>	<input type="checkbox"/>	★ Sven, Nick (2)	seaside	Inbox		[Seaside] Seaside-Welcome Package Dependencies - Hi, it just puzzles me a bit th	24 Aug
<input type="checkbox"/>	<input type="checkbox"/>	★ Bob, Nick, me, Facundo (9)	seaside	Inbox	myself	[Seaside] JQuery lightbox in Seaside 3.0 - My SULightbox subclass style m	23 Aug
<input type="checkbox"/>	<input type="checkbox"/>	★ Robert, Sean, Facundo (4)	seaside	Inbox		[Seaside] Problem with static css file - Robert, you can compile #asMIMEType from	23 Aug
<input type="checkbox"/>	<input type="checkbox"/>	★ Carl Gundel (2)	seaside	Inbox		[Seaside] iPhone and iUI - I understand that the latest version of Pier has iUI integr	23 Aug
<input type="checkbox"/>	<input type="checkbox"/>	★ Phil .. TimM, Julian (7)	seaside	Inbox	myself	[Seaside] Trouble getting started - Casual users often prefer forums for exac	22 Aug
<input type="checkbox"/>	<input type="checkbox"/>	★ Rick, Sean, Miguel (3)	seaside	Inbox		[Seaside] Another refactoring question : Where to put the 'view' or 'edit' logic for da..	21 Aug
<input type="checkbox"/>	<input type="checkbox"/>	★ TimM .. Bob, Andreas (10)	seaside	Inbox	myself	[Seaside] Connection Closed failure - should something handle this? - Andre	21 Aug
<input type="checkbox"/>	<input type="checkbox"/>	★ Andy, John, me (6)	seaside	Inbox	myself	[Seaside] Some of the Seaside.st JQueryUI demos are broken - On 21 Augu	21 Aug
<input type="checkbox"/>	<input type="checkbox"/>	★ Philippe, me, Sven (5)	seaside	Inbox	myself	[Seaside] Load Balancing Multiple Seaside Images with mod_proxy_balance	21 Aug
<input type="checkbox"/>	<input type="checkbox"/>	★ Robert Sirois	seaside	Inbox		[Seaside] Seaside builder - Where did the seaside builder go? :(builder.seaside.st g	20 Aug
<input type="checkbox"/>	<input type="checkbox"/>	★ Apostolis, TimM, me (4)	seaside	Inbox	myself	[Seaside] onkeypress JQuery - If I understand well, normalization is becaus	20 Aug
<input type="checkbox"/>	<input type="checkbox"/>	★ TimM	seaside	Inbox	myself	[Seaside] Interesting Comet failure - should it be more defensive? - This is c	20 Aug
<input type="checkbox"/>	<input type="checkbox"/>	★ Lawson English (2)	seaside	Inbox	magritte squeak	[Seaside] environment copy strangeness in pier on seaside 3.0rc	20 Aug
<input type="checkbox"/>	<input type="checkbox"/>	★ Boris, me (5)	seaside	Inbox	myself	[Seaside] JQuery expressions - Fair enough! Just wanted to make sure I wa	19 Aug
<input type="checkbox"/>	<input type="checkbox"/>	★ Sven, me, Philippe (12)	seaside	Inbox	myself	[Seaside] Server Identification in Session Keys - 2010/8/19 Sven Van Caek	19 Aug

875

seaside@lists.squeakfoundation.org

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<input type="checkbox"/>	★	Avi, Julian (3)	seaside-dev	Inbox	[Seaside-dev] New contributions - Julian, I'm interested in getting to know Seask	29 Aug
<input type="checkbox"/>	★	Dale, Julian (2)	seaside-dev	Inbox	[Seaside-dev] Seaside 3.0 and Grease 1.0 - Sigh... no, I built an image for the re	28 Aug
<input type="checkbox"/>	★	Avi, me (2)	seaside-dev	Inbox	myself Seaside Development - Hi Avi, Please submit your changes to the mailir	27 Aug
<input type="checkbox"/>	★	Nicolas, me, Julian (5)	seaside-dev	Inbox	myself [Seaside-dev] Automatic registration of children? - On Thu, Aug 19, 2010	19 Aug
<input type="checkbox"/>	★	seaside, Julian (4)	seaside-dev	Inbox	seaside-gen [Seaside Issues] Issue 594 in seaside: #style methods don't work th	19 Aug
<input type="checkbox"/>	★	Andreas .. Frank, Miguel (9)	seaside-dev	Inbox	seaside squeak [Seaside-dev] OAuth/Twitter demo in Squeak - On 8/13/2010 2:	14 Aug
<input type="checkbox"/>	★	Philippe, Andreas (2)	seaside-dev	Inbox	[Seaside-dev] tracking sessions by ssl session id? - I have no idea what rules th	12 Aug
<input type="checkbox"/>	★	Andreas .. Nick, Gerhard (9)	seaside-dev	Inbox	[Seaside-dev] Comet request handling / Ajax performance - Yes, you're absolute	12 Aug
<input type="checkbox"/>	★	Philippe Marschall	seaside-dev	Inbox	[Seaside-dev] Seaside-REST properly package-ized - Hi Seaside-REST has bee	8 Aug
<input type="checkbox"/>	★	Norbert .. me, Julian (9)	seaside-dev	Inbox	myself [Seaside-dev] GRCodecStream>>tab - On 04.08.2010, at 01:49, Julian F	4 Aug
<input type="checkbox"/>	★	squeak-dev- .. Julian (4)	seaside-dev	Inbox	myself seaside-gen [Seaside Commits] Seaside 3.0: Seaside-Tests-Core-pmm.196.mcz	2 Aug
<input type="checkbox"/>	★	Philippe Marschall	seaside-dev	Inbox	[Seaside-dev] Seaside-WebSocket - Hi While discussing the cons of Comet on C	1 Aug
<input type="checkbox"/>	★	Dale .. Andreas (10)	seaside-dev	Inbox	gemstone myself seaside [Seaside] [Ann] Seaside 3.0.0-rc.1 configuraton avail	31 Jul
<input type="checkbox"/>	★	Dale, me, Nick (3)	seaside-dev	Inbox	myself [Seaside-dev] WAComponentTest>>testChildrenNotCollectionError uses	28 Jul
<input type="checkbox"/>	★	squeak-dev-, Julian (2)	seaside-dev	Inbox	seaside-gen [Seaside Commits] Seaside 3.0: Seaside-Tests-Welcome-NickAger.1.mcz -	26 Jul
<input type="checkbox"/>	★	squeak-dev- .. Dale (4)	seaside-dev	Inbox	seaside-gen [Seaside Commits] Seaside 3.0: Seaside-Welcome-NickAger.23.mcz - I rec	25 Jul
<input type="checkbox"/>	★	Julian Fitzell	seaside-dev	Inbox	myself seaside [Seaside] (no) Seaside sprint at ESUG - Hi everyone, For those	18 Jul
<input type="checkbox"/>	★	Dale, Philippe, Julian (9)	seaside-dev	Inbox	[Seaside-dev] crazy thought - I know, that's why it would need to be configurable	14 Jul
<input type="checkbox"/>	★	James Foster	seaside-dev	Inbox	[Seaside-dev] LoadOrderTests-JamesFoster.64 -- all pass! - Loaded Grease-Cor	8 Jul
<input type="checkbox"/>	★	Dale .. Julian (24)	seaside-dev	Inbox	myself [Seaside-dev] ConfigurationOfSeaside30 3.0.0-alpha5.15 ready for a bit t	24 Jun
<input type="checkbox"/>	★	Dale, Julian (6)	seaside-dev	Inbox	[Seaside-dev] A couple of suggestions/observations ... related to using the 'Bas	24 Jun
<input type="checkbox"/>	★	Dale, Julian (2)	seaside-dev	Inbox	[Seaside-dev] please delete Seaside-GemStone-Adaptors-Swazoo-dkh.1.mcz fr	24 Jun
<input type="checkbox"/>	★	Stuart, me (4)	seaside-dev	Inbox	myself [Seaside-dev] Generated images always converted to gif - I tried to com	17 Jun
<input type="checkbox"/>	★	squeak-dev- .. Julian (9)	seaside-dev	Inbox	seaside-gen [Seaside Commits] Seaside 3.0: Seaside-Tools-Web-obi.84.mcz - It has alv	14 Jun
<input type="checkbox"/>	★	Julian, Nick, Dale (7)	seaside-dev	Inbox	[Seaside-dev] metacello packaging - Julian Fitzell wrote: > On Sat, Jun 12, 2010	14 Jun
<input type="checkbox"/>	★	squeak-dev- .. Nick (8)	seaside-dev	Inbox	myself seaside-gen [Seaside Commits] Seaside 3.0: Seaside-Welcome-lr.7.mcz - On 14	14 Jun
<input type="checkbox"/>	★	Nick, me (3)	seaside-dev	Inbox	magritte myself [Seaside-dev] WAResponseGenerator>>expiredKey - It is grea	14 Jun
<input type="checkbox"/>	★	Julian, Philippe, me (3)	seaside-dev	Inbox	myself [Seaside-dev] hudson failure? - I restarted it. This sometimes happens w	14 Jun

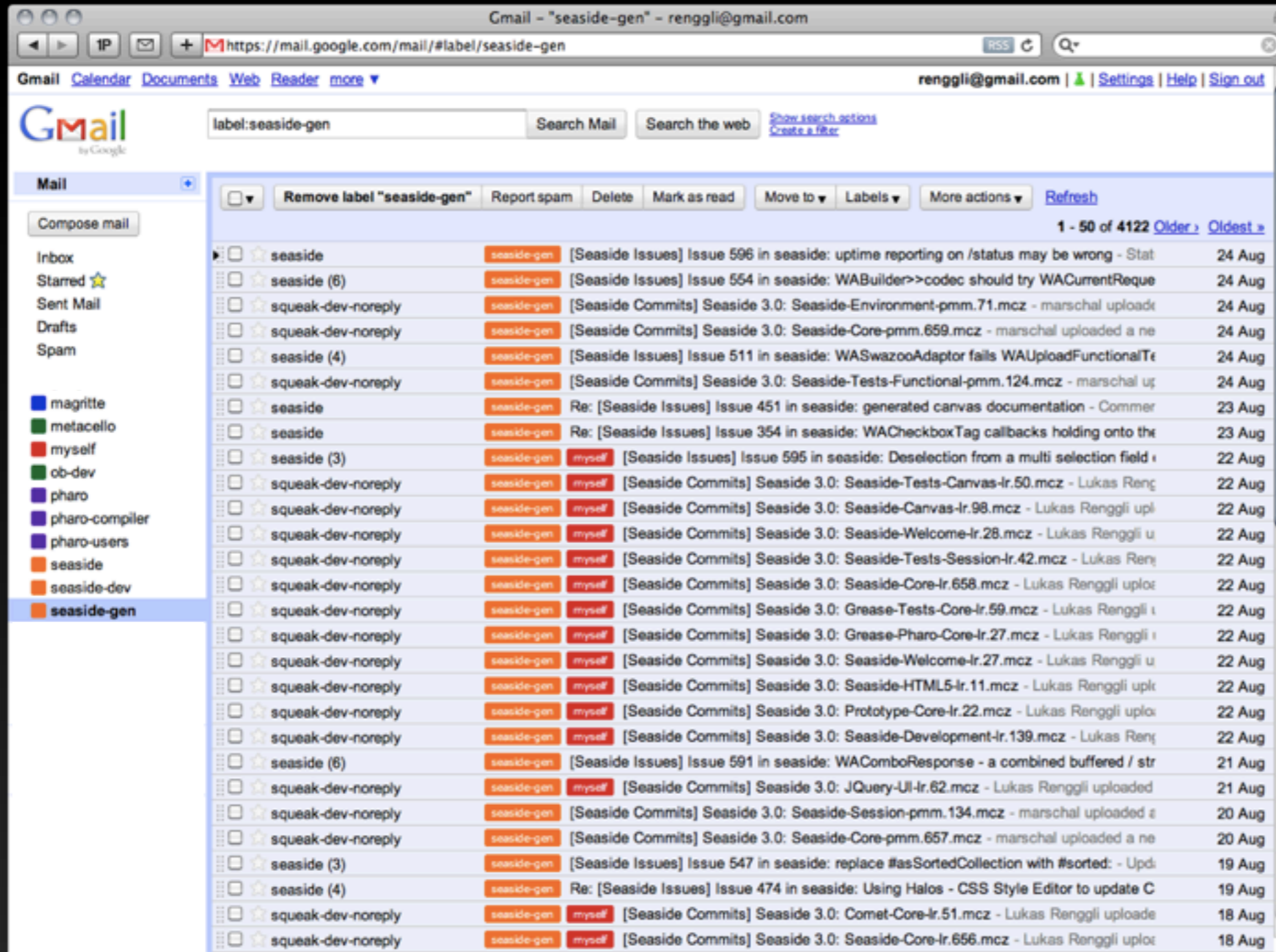
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magritte metacello myself ob-dev pharo pharo-compiler pharo-users seaside **seaside-dev** seaside-gen

120

seaside-dev@lists.squeakfoundation.org



issues@lists.seaside.st
commits@lists.seaside.st

13



seaside

Developing sophisticated web applications in Smalltalk

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[Seaside](#) provides a layered set of abstractions over HTTP and XHTML that let you build highly interactive web applications quickly, reusable and maintainably. It is based on Smalltalk, a proven and robust language that is implemented by different vendors. Seaside includes:

- [Programmatic XHTML generation](#). A lot of markup is boilerplate: the same patterns of lists, links, forms and tables show up on page after page. Seaside has a rich API for generating XHTML that lets you abstract these patterns into convenient methods rather than pasting the same sequence of tags into templates every time.
- [Callback-based request handling](#). Why should you have to come up with a unique name for every link and form input on your page, only to extract them from the URL and request fields later? Seaside automates this process by letting you associate blocks, not names, with inputs and links, so you can think about objects and methods instead of ids and strings.
- [Embedded components](#). Stop thinking a whole page at a time; Seaside lets you build your UI as a tree of individual, stateful component objects, each encapsulating a small part of a page. Often, these can be used over and over again, within and between applications - nearly every application, for example, needs a way to present a batched list of search results, or a table with sortable columns, and Seaside includes components for these out the box.
- [Modal session management](#). What if you could express a complex, multi-page workflow in a single method? Unlike servlet models which require a separate handler for each page or request, Seaside models an entire user session as a continuous piece of code, with natural, linear control flow. In Seaside, components can call and return to each other like subroutines; string a few of those calls together in a method, just as if you were using console I/O or opening modal dialog boxes, and you have a workflow. And yes, the back button will still work.

Seaside also has good support for [CSS and Javascript](#), excellent [web-based development tools](#) and [debugging support](#), a rich [configuration and preferences](#) framework, and more.

If you would like to contribute, please visit [Seaside's contributors page](#).

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Code license:
[MIT License](#)

Labels:
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SqueakSource

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Seaside 3.0

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Project Description

This is the official code repository for Seaside 3.0. All code within this project is MIT licensed. The repository is publicly readable. To gain write access, please ask in the development mailing-list. To manually load Seaside 3.0 follow the instructions on the [development wiki](#).

If you are interested in contributing, check out Seaside's [contributors page](#).

Links

- [Web Site](#)
- [Issue Tracker](#)
- [Coding Conventions](#)

Related Repositories

- [Seaside 3.0 LGPL Code](#)
- [Seaside 3.0 Addons](#)
- [Seaside 3.0 Deprecated](#)
- [Seaside 2.8 and older versions](#)

Members

Creator: [marschal](#)
Admin: [Seaside Admins](#)
Developer: [Seaside Developers](#)

Tags

[seaside](#), [server](#)

License

Code committed to this repository will be automatically under [MIT](#) license.

Registration

MCHttpRepository
location: 'http://www.squeaksource.com/Seaside30'

+ 1

Working Software

over comprehensive documentation



Iterative Development

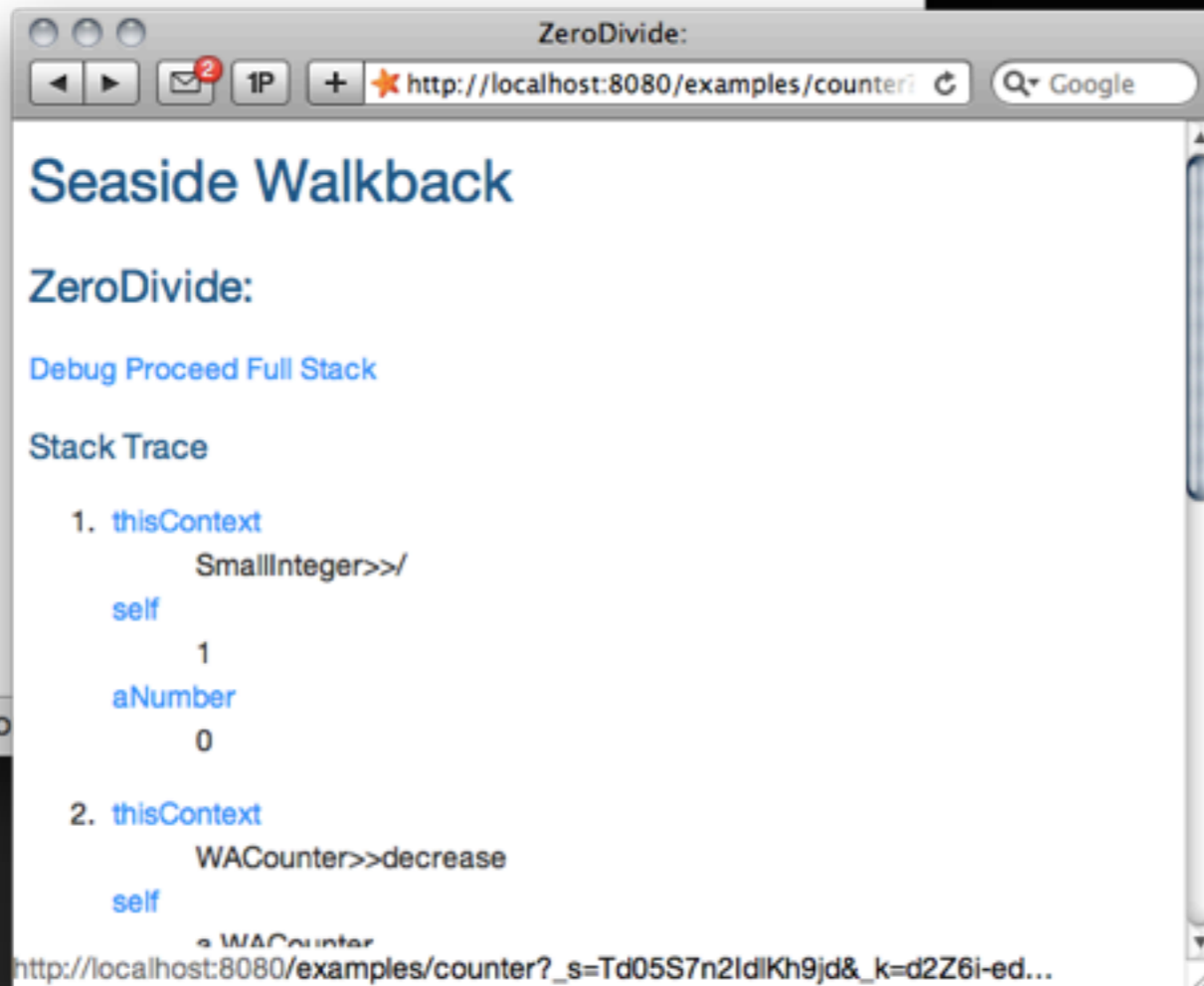
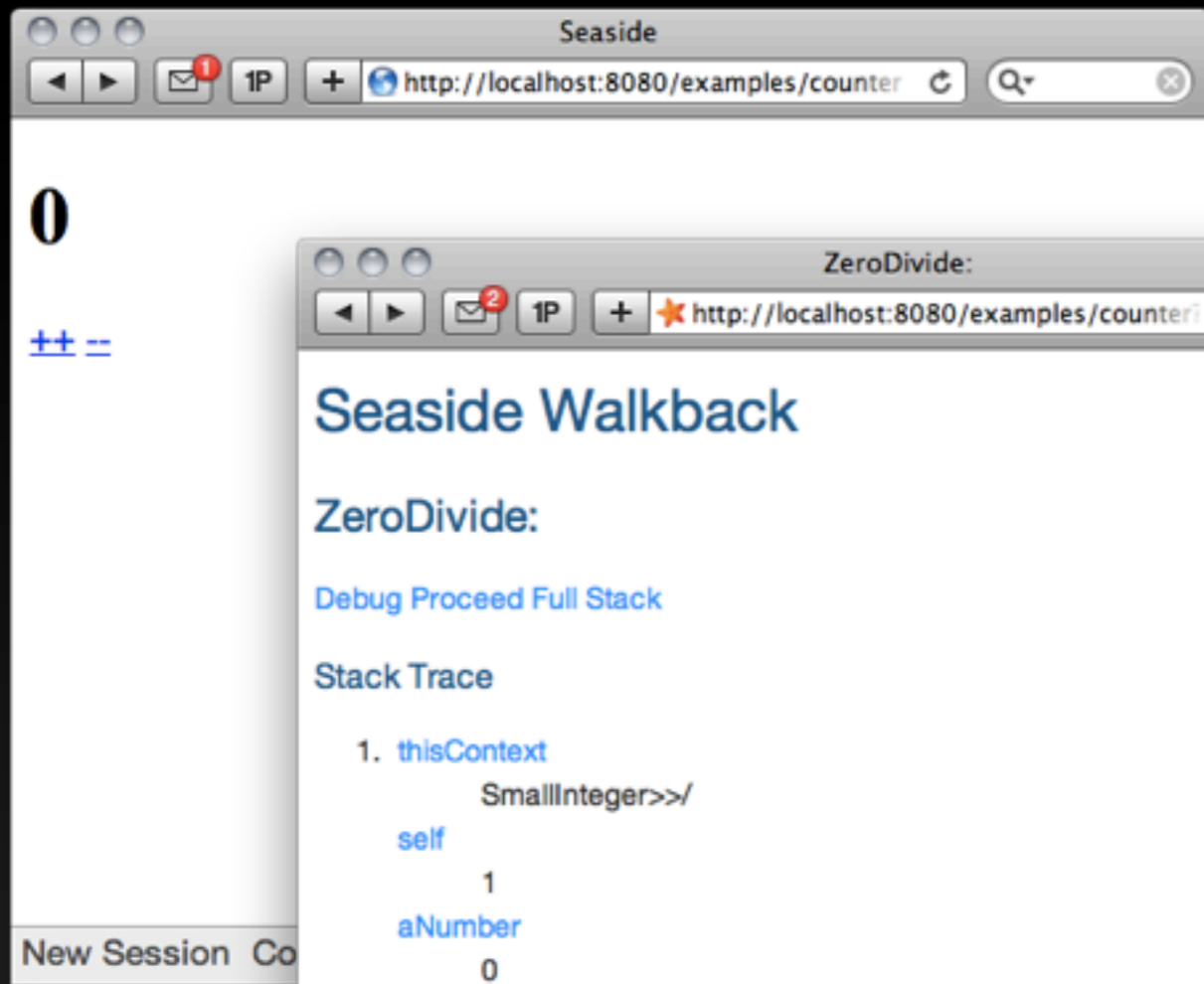
Release Cycle for Seaside 3.0

Release Cycle for Seaside 3.0



0

[++](#) ==



Seaside

http://localhost:8080/examples/counter

0

++ ==

New Session Co

ZeroDivide:

http://localhost:8080/examples/counter

Seaside Walkback

ZeroDivide:

[Debug Proceed Full Stack](#)

Stack Trace

- [thisContext](#)
 - SmallInteger>>/
 - self
 - 1
 - aNumber
 - 0
- [thisContext](#)
 - WACounter>>decrease
 - self
 - a WACounter

http://localhost:8080/examples/counter?_s:

ZeroDivide:

```

SmallInteger>>/
WACounter>>decrease
[] in WACounter>>renderContentOn:
BlockClosure>>valueWithPossibleArguments:
WAActionCallback>>evaluateWithArgument:
WAActionCallback(WACallback)>>evaluateWithFieldValues:
[] in WACallbackRegistry>>handle:
Array(SequenceableCollection)>>do:
WACallbackRegistry>>handle:
[] in [] in WAActionPhaseContinuation>>runCallbacks
BlockClosure>>onDo:
WAActionPhaseContinuation(WARenderLoopContinuation)>>withNotificationHandlerDo:

```

Proceed Restart Into Over Through Full Stack Run to Here Where

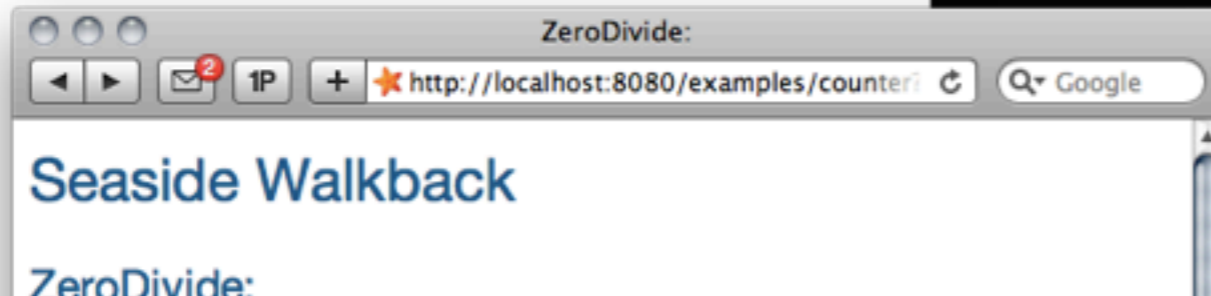
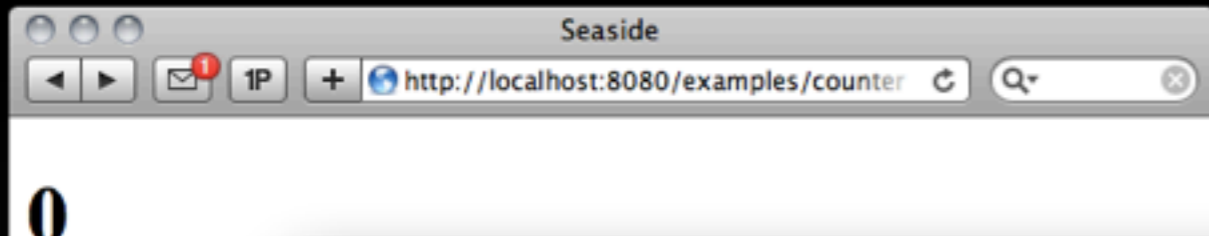
decrease

```

1 / 0
count := count - 1

```

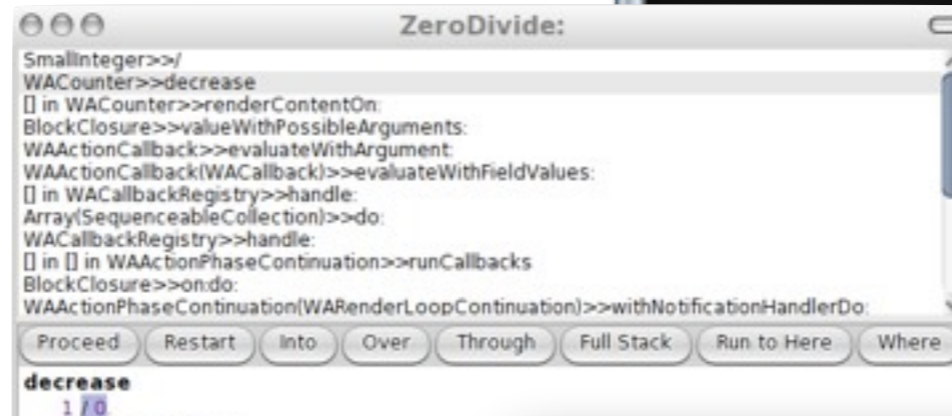
self all inst vars decoration count		thisContext stack top all temp vars	
--	--	---	--



[Debug Proceed Full Stack](#)

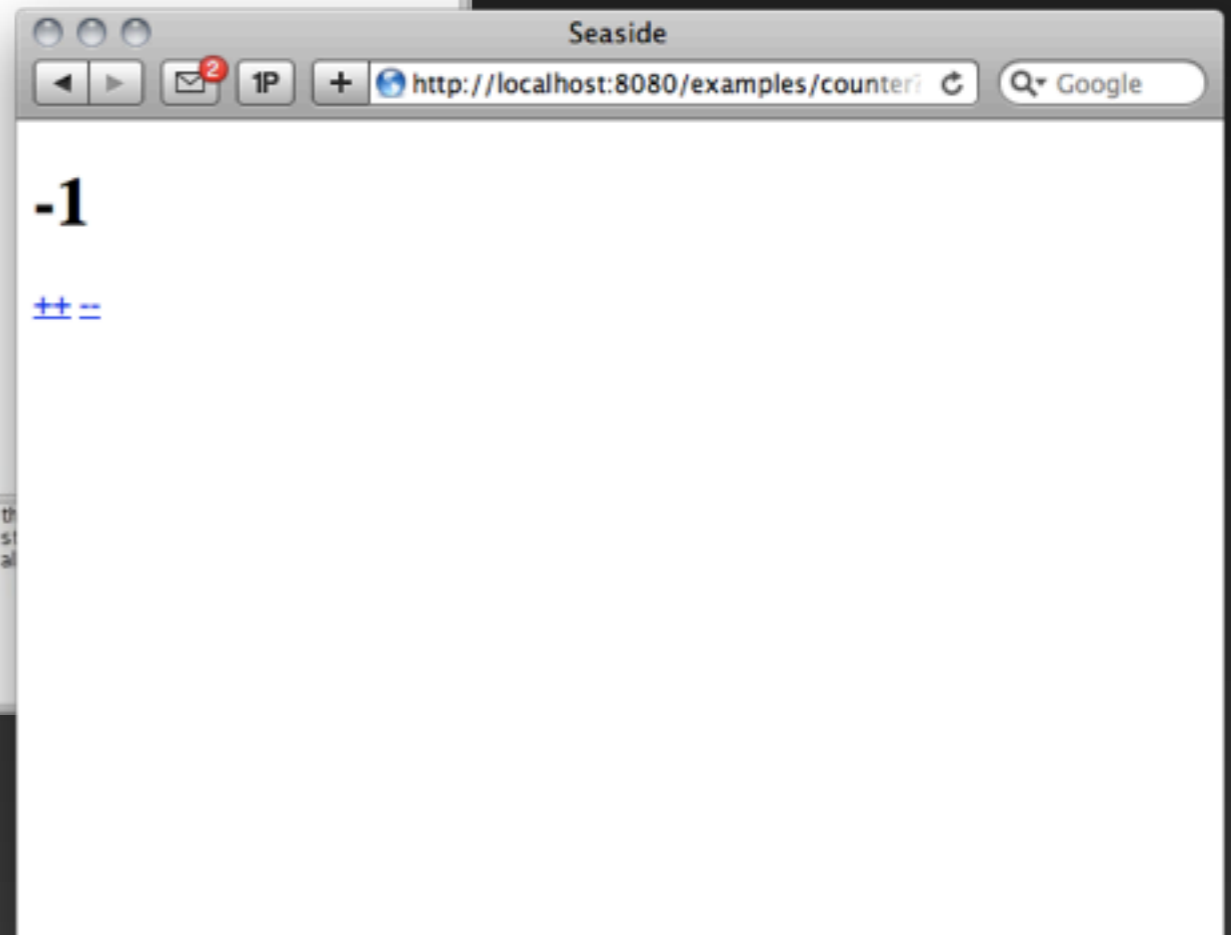
Stack Trace

1. [thisContext](#)
 - SmallInteger>>/
 - self
 - 1
 - aNumber
 - 0
 2. [thisContext](#)
 - WACounter>>decrease
 - self
 - a WACounter
- http://localhost:8080/examples/counter?_s



```
decrease  
1 / 0  
count = count - 1
```

self	
all inst vars	
decoration	
count	



We are always using

the latest

seaside 

Continuous attention to
technical excellence
and good design.

SUnit

Code Critics

Working software is the
principal measure of progress.



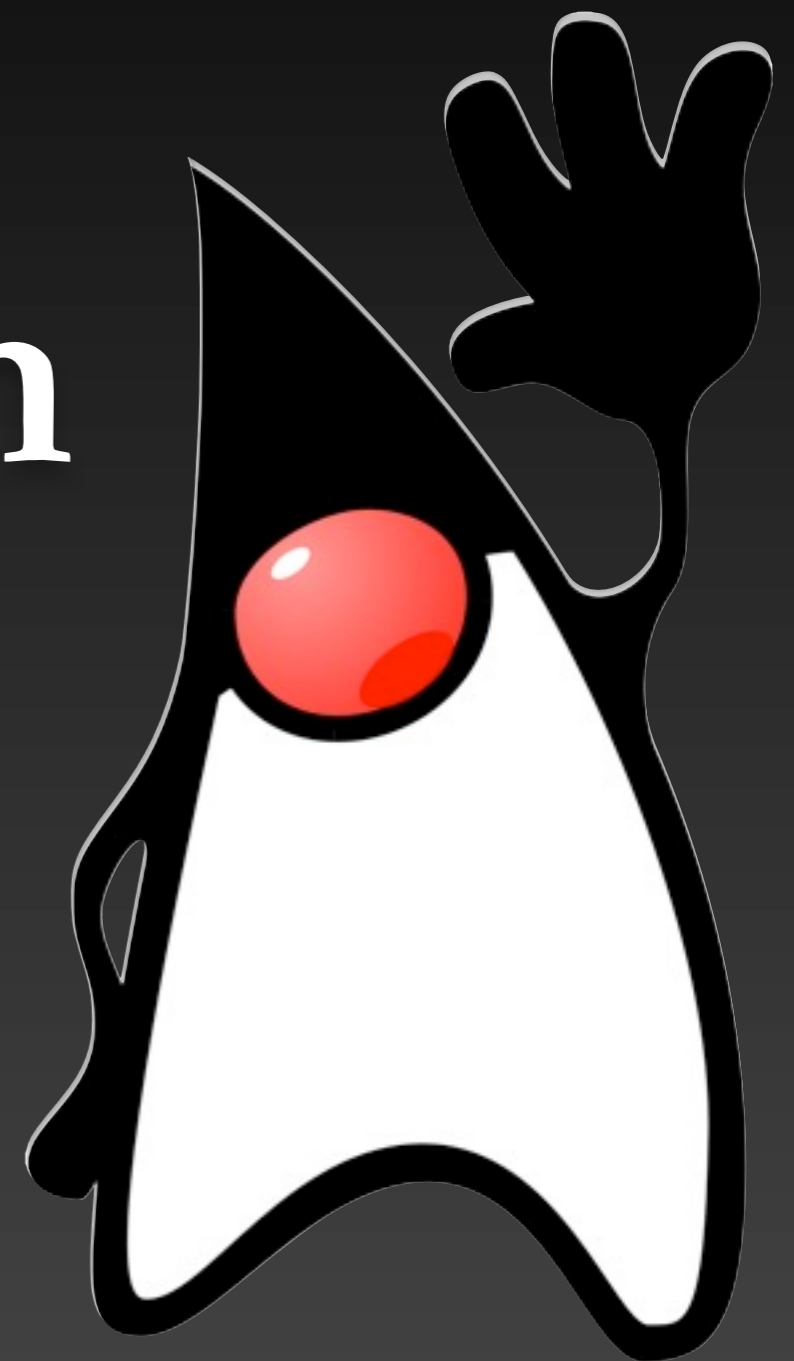
Continuous Integration



Hudson



Hudson



Yanni Chiu

Lukas Renggli

Philippe Marshall





renggli / builder

Watch Fork Download Source 8 2

Source Commits Network (2) Issues (0) Downloads (0) Graphs Branch: master

Switch Branches (1) Switch Tags (0) Branch List

A set of scripts to build Pharo images with Hudson — [Read more](#)
<http://hudson.lukas-renggli.ch>

HTTP Git Read-Only This URL has Read-Only access

added helvetia icon



renggli (author)
1 day ago

commit 01784bdc1f96ea387613
 tree fe9c5e09db9b852e4520
 parent 585728bb3172cf1c5e2e

builder /

name	age	message	history
.gitignore	May 16, 2010	more mac metadata to ignore [renggli]	
LICENSE	July 20, 2010	fixed some typos [renggli]	
README	July 03, 2010	do not link builds [renggli]	
build-oneclick.sh	July 31, 2010	fixed naming of images [renggli]	
build-resize.sh	August 15, 2010	unify the way images are specified [renggli]	
build.sh	July 19, 2010	fixed some basic stuff [renggli]	
builds/	May 15, 2010	cleanup & link sources into build dir [renggli]	
cache/	May 15, 2010	cleanup & link sources into build dir [renggli]	
images/	May 15, 2010	cleanup & link sources into build dir [renggli]	



Hudson

Hudson

[ENABLE AUTO REFRESH](#)
[New Job](#)
[Manage Hudson](#)
[People](#)
[Build History](#)
[My Views](#)

This build server is using the infrastructure from github.com/renggli/builder to build Pharo images, run tests, calculate coverage, and run code checker. For additional information on the projects being built on this server see www.lukas-renggli.ch.

[edit description](#)

All Seaside 2.8 Seaside 3.0 Tools +						
S	W	Job ↓	Last Success	Last Failure	Last Duration	
		Chic	22 hr (#45)	N/A	5 min 27 sec	
		Development	22 hr (#178)	N/A	27 min	
		Filesystem	22 hr (#6)	N/A	7 min 20 sec	
		GitFS	22 hr (#238)	N/A	10 min	
		Glamour	1 hr 53 min (#35)	N/A	13 min	
		Helvetia	1 day 13 hr (#58)	N/A	27 min	
		Magritte	1 day 10 hr (#87)	N/A	16 min	
		Magritte 2	14 hr (#200)	N/A	6 min 26 sec	
		OpalCompiler	22 hr (#24)	N/A	10 min	
		PetitParser	21 hr (#309)	N/A	30 min	
		Pharo	3 days 11 hr (#44)	N/A	12 min	
		Pier	1 day 9 hr (#94)	N/A	35 min	
		Pier 2	14 hr (#225)	N/A	23 min	
		Seaside 2.8	21 hr (#157)	N/A	40 min	
		Seaside 3.0	16 hr (#301)	N/A	1 hr 44 min	
		TextLint	1 day 10 hr (#16)	N/A	1 hr 6 min	

Icon: [S](#) [M](#) [L](#)
[Legend](#)
[for all](#)
[for failures](#)
[for just latest builds](#)


[Back to Dashboard](#)[Status](#)[Changes](#)[Workspace](#)[Build Now](#)[Delete Project](#)[Configure](#)[Checkstyle Warnings](#)**Build History** (trend)

- #301 [Aug 22, 2010 5:29:32 PM](#)
- #300 [Aug 22, 2010 4:14:47 PM](#)
- #299 [Aug 22, 2010 3:19:59 PM](#)
- #298 [Aug 22, 2010 12:19:10 PM](#)
- #297 [Aug 21, 2010 11:06:55 PM](#)
- #296 [Aug 21, 2010 3:15:12 PM](#)
- #295 [Aug 20, 2010 5:06:10 PM](#)
- #294 [Aug 18, 2010 10:26:02 PM](#)
- #293 [Aug 18, 2010 11:11:29 AM](#)
- #292 [Aug 18, 2010 9:25:01 AM](#)
- #232 [Jul 4, 2010 3:10:39 PM](#)

Seaside 3.0 RC

[for all](#) [for failures](#)

Project Seaside 3.0

A [Seaside 3.0](#) image.[edit description](#)[Workspace](#)[Last Successful Artifacts](#)

- [Seaside-3.0-OneClick.zip](#)
- [seaside3.changes](#)
- [seaside3.image](#)
- [seaside3-swazoo.changes](#)
- [seaside3-swazoo.image](#)
- [seaside3-tests.changes](#)
- [seaside3-tests.image](#)

[Recent Changes](#)[Latest Test Result](#) (no failures)

Upstream Projects

● [Development](#)

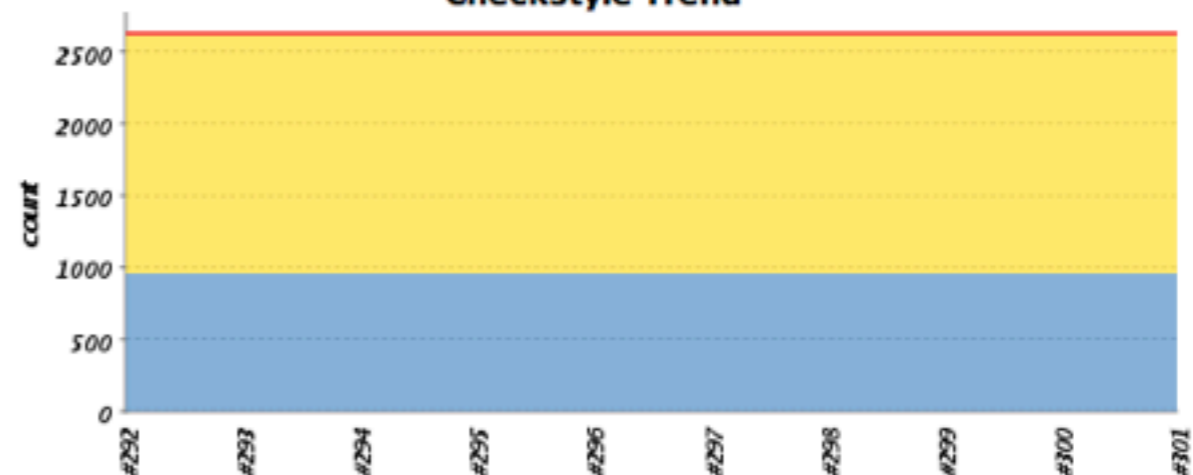
Downstream Projects

● [Magritte 2](#)

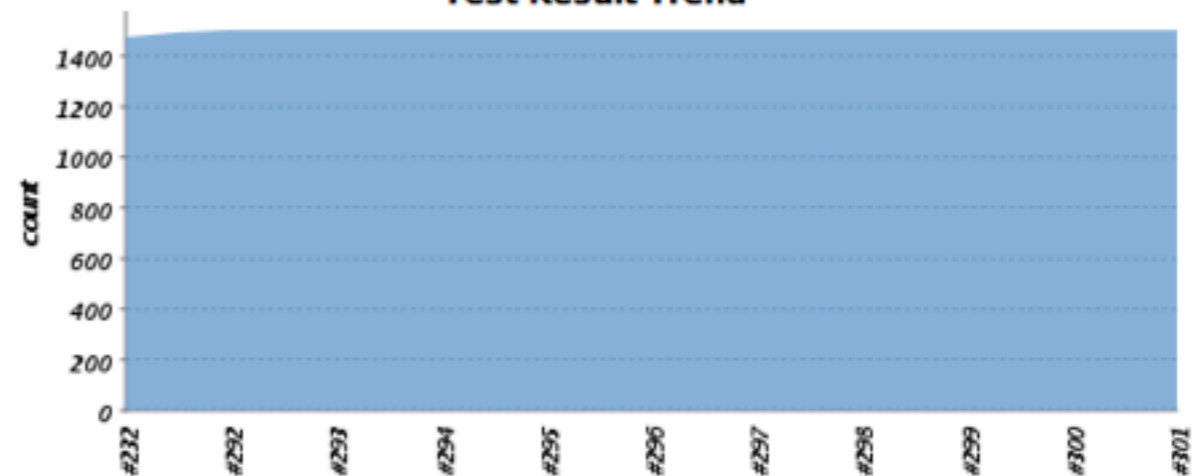
Permalinks

- [Last build \(#301\), 16 hr ago](#)
- [Last stable build \(#301\), 16 hr ago](#)
- [Last successful build \(#301\), 16 hr ago](#)

Checkstyle Trend

[Enlarge](#) [Configure](#)

Test Result Trend

[\(just show failures\)](#) [enlarge](#)

- [#296 Aug 21, 2010 3:15:12 PM](#)
- [#295 Aug 20, 2010 5:06:10 PM](#)
- [#294 Aug 18, 2010 10:26:02 PM](#)
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- [#292 Aug 18, 2010 9:25:01 AM](#)
- [#232 Jul 4, 2010 3:10:39 PM](#)

Seaside 3.0 RC

[for all](#) [for failures](#)
Source Code Management

- None
- CVS
- Subversion

Build Triggers

- Build after other projects are built

Projects names

Multiple projects can be specified like 'abc, def'

- Trigger builds remotely (e.g., from scripts)
- Build periodically
- Poll SCM

- Build when a URL's content changes

URL

Build**Execute shell**

Command

```
build.sh -i omnibrowser -s seaside3 -s seaside3-komanche -s seaside-design -o seaside3
build.sh -i seaside3 -s testrunner -s seaside3-tests -o seaside3-tests
build.sh -i seaside3 -s seaside3-swazoo -o seaside3-swazoo

build-oneclick.sh -i seaside3 -o Seaside-3.0-OneClick -n Seaside -t Seaside -v 3.0 -c Seaside
```

See [the list of available environment variables](#)

Delete

Add build step ▾

Post-build Actions

- Publish Checkstyle analysis results

Checkstyle results

[Fileset includes](#) setting that specifies the generated raw CheckStyle XML report files, such as `**/checkstyle-result.xml`. Basedir of the fileset is [the workspace root](#). If no value is set, then the default `**/checkstyle-result.xml` is used. Be sure not to include any non-report files into this pattern.

Advanced...

- Publish Javadoc
- Archive the artifacts

Advanced...

- [#296 Aug 21, 2010 3:15:12 PM](#)
- [#295 Aug 20, 2010 5:06:10 PM](#)
- [#294 Aug 18, 2010 10:26:02 PM](#)
- [#293 Aug 18, 2010 11:11:29 AM](#)
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- [#232 Jul 4, 2010 3:10:39 PM](#)

Seaside 3.0

[for all](#) [for](#)
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- Seaside 3.0 RC
[for all](#) [for failures](#)

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Command build.sh -i omnibrowser -s seaside3 -s seaside3-komanche -s seaside-design -o seaside3
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build.sh -i seaside3 -s seaside3-swazoo -o seaside3-swazoo

build-oneclick.sh -i seaside3 -o Seaside-3.0-OneClick -n Seaside -t Seaside -v 3.0 -c Seaside
```

See [the list of available environment variables](#)

Delete

Add build step ▾

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- [#296 Aug 21, 2010 3:15:12 PM](#)
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build.sh -i seaside3 -s seaside3-swazoo -o seaside3-swazoo

build-oneclick.sh -i seaside3 -o Seaside-3.0-OneClick -n Seaside -t Seaside -v 3.0 -c Seaside
```

See [the list of available environment variables](#)

Delete

Add build step ▾

Post-build Actions

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[Fileset includes](#) setting that specifies the generated raw CheckStyle XML report files, such as `**/checkstyle-result.xml`. Basedir of the fileset is [the workspace root](#). If no value is set, then the default `**/checkstyle-result.xml` is used. Be sure not to include any non-report files into this pattern.

Advanced...

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- Archive the artifacts



Advanced...

-  #296 [Aug 21, 2010 3:15:12 PM](#)
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-  #293 [Aug 18, 2010 11:11:29 AM](#)
-  #292 [Aug 18, 2010 9:25:01 AM](#)
-  #232 [Jul 4, 2010 3:10:39 PM](#) 


Seaside 3.0 RC

 for all  for failures

Source Code Management





- None
- CVS
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Build Triggers

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URL

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```
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build.sh -i seaside3 -s testrunner -s seaside3-tests -o seaside3-tests
build.sh -i seaside3 -s seaside3-swazoo -o seaside3-swazoo


build-oneclick.sh -i seaside3 -o Seaside-3.0-OneClick -n Seaside -t Seaside -v 3.0 -c Seaside
```

See [the list of available environment variables](#)

Delete

Add build step 


Post-build Actions

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Checkstyle results

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Advanced...

- Publish Javadoc
- Archive the artifacts 



Test Results (SUnit)

Seaside 3.0 #301 Test Results [Hudson]

http://hudson.lukas-renggli.ch/job/Seaside%203.0/lastCompletedBuild/testReport/

Hudson search renggli | log out

Hudson > Seaside 3.0 > #301 > Test Results [ENABLE AUTO REFRESH](#)

[Back to Project](#)
[Status](#)
[Changes](#)
[Console Output](#)
[History](#)
[Checkstyle Warnings](#)
[Test Result](#)
[Previous Build](#)

Test Result

0 failures (#0)

1,502 tests (#0)
Took 41 sec.
[add description](#)

All Tests

Package	Duration	Fail	(diff)	Skip	(diff)	Total	(diff)
Comet.Tests.Core	12 ms	0		0		2	
Grease.Tests.Core	0.61 sec	0		0		377	
Grease.Tests.Pharo.Core	0.28 sec	0		0		12	
Grease.Tests.Slime	21 sec	0		0		18	
jQuery.Tests.Core.Unit	0.8 sec	0		0		206	
jQuery.Tests.UI.Unit	0.2 sec	0		0		23	
Javascript.Tests.Core	0.28 sec	0		0		124	
Prototype.Tests.Core	0.68 sec	0		0		34	
RSS.Tests.Core	24 ms	0		0		10	
Scriptaculous.Tests.Core.Unit	48 ms	0		0		9	
Seaside.Tests.Adaptors.Comanche	12 ms	0		0		4	
Seaside.Tests.Canvas	0.37 sec	0		0		82	
Seaside.Tests.Component.Tests	36 ms	0		0		14	
Seaside.Tests.Core	0 ms	0		0		3	
Seaside.Tests.Core.Backtracking	12 ms	0		0		7	
Seaside.Tests.Core.Cache	0.29 sec	0		0		12	
Seaside.Tests.Core.Callbacks	48 ms	0		0		12	
Seaside.Tests.Core.Configuration	24 ms	0		0		10	
Seaside.Tests.Core.Document	12 ms	0		0		10	
Seaside.Tests.Core.HTTP	0.32 sec	0		0		221	
Seaside.Tests.Core.Libraries	0.49 sec	0		0		33	
Seaside.Tests.Core.Rendering	12 ms	0		0		2	
Seaside.Tests.Core.RequestHandling	0.25 sec	0		0		97	
Seaside.Tests.Core.Server	0 ms	0		0		3	
Seaside.Tests.Core.Utilities	0.86 sec	0		0		11	
Seaside.Tests.Development	0 ms	0		0		3	
Seaside.Tests.Email	0 ms	0		0		4	



Emma Coverage (SUnit)

The screenshot shows the Hudson web interface for a build of PetitParser. The browser address bar shows the URL: `http://hudson.lukas-renggli.ch/job/PetitParser/lastBuild/emma/?`. The page title is "Hudson". The breadcrumb navigation is "Hudson > PetitParser > #309 > Emma". The main content area is titled "Emma Coverage Report". It features a line chart showing coverage percentages for "block", "class", "line", and "method" across builds #300 to #309. The "class" coverage is consistently high, around 60-70%. The "method" coverage is around 50%. The "line" coverage is very low, near 0%. The "block" coverage is also very low, near 0%. Below the chart is an "Overall Coverage Summary" table and a "Coverage Breakdown by Package" table. The "Overall Coverage Summary" table shows that for "all classes", the class coverage is 62.7% (128/204) and the method coverage is 50.2% (1466/2919). The "Coverage Breakdown by Package" table shows that for "PetitParser", the class coverage is 100.0% (31/31) and the method coverage is 98.0% (241/246). For "PrettyPetit", the class coverage is 84.2% (16/19) and the method coverage is 66.0% (171/259). The page footer indicates "Page generated: Aug 23, 2010 12:16:02 PM Hudson ver. 1.373".

Emma Coverage Report

Overall Coverage Summary

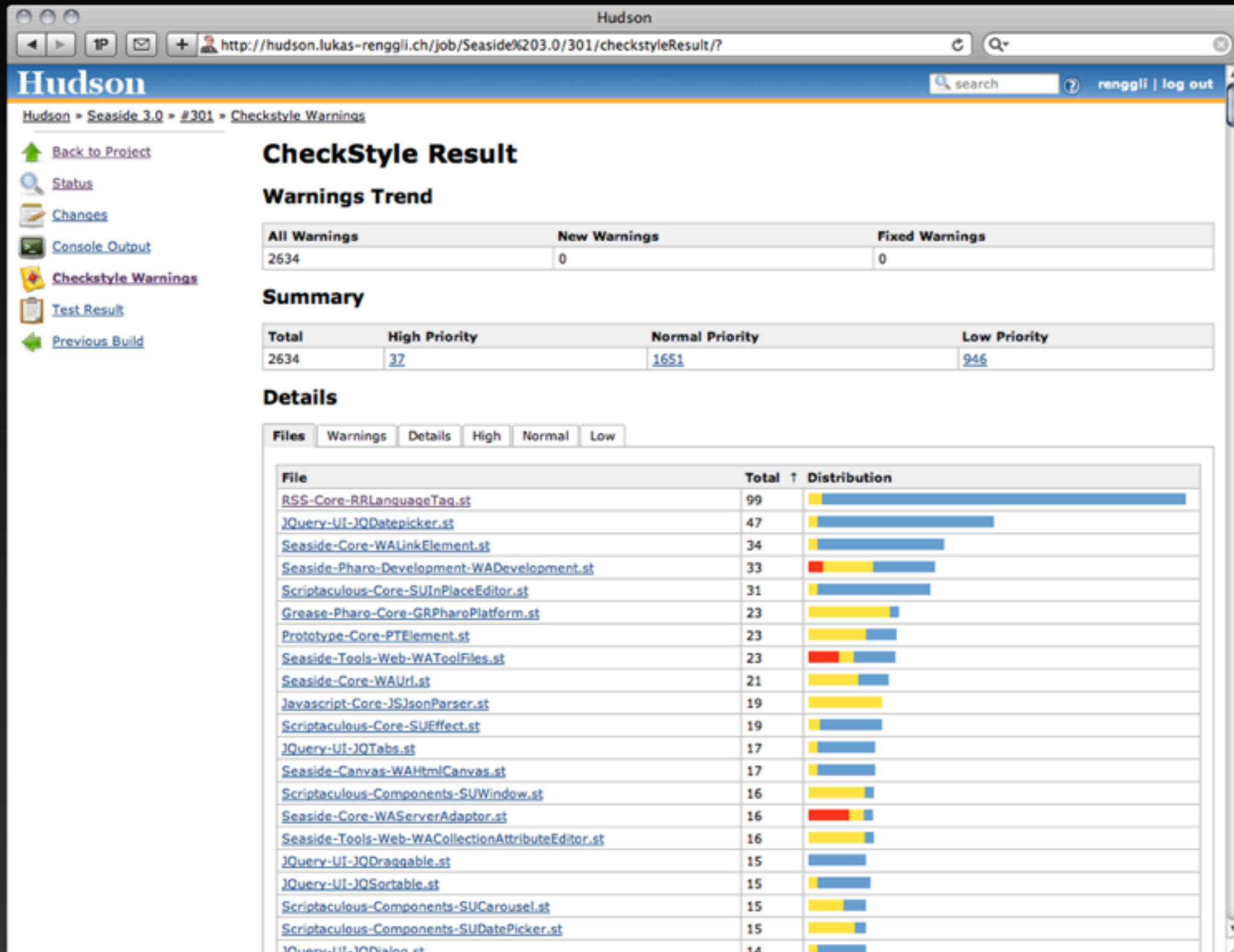
name	class	method	block
all classes	62.7% 128/204	50.2% 1466/2919	

Coverage Breakdown by Package

name	class	method	block
PetitAnalyzer	92.3% 12/13	96.7% 146/151	
PetitBeta	27.3% 3/11	4.1% 23/566	
PetitParser	100.0% 31/31	98.0% 241/246	
PetitSmalltalk	100.0% 8/8	98.5% 392/398	
PetitTests	100.0% 15/15	96.3% 209/217	
PetitXml	100.0% 15/15	94.9% 148/156	
PrettyPetit	84.2% 16/19	66.0% 171/259	

Page generated: Aug 23, 2010 12:16:02 PM [Hudson ver. 1.373](#)

CheckStyle (SmallLint)



The screenshot shows the Hudson web interface for a CheckStyle analysis. The browser address bar shows the URL: `http://hudson.lukas-renggli.ch/job/Seaside%203.0/301/checkstyleResult/?`. The page title is "Hudson" and the user is logged in as "renggli".

The breadcrumb navigation is: `Hudson > Seaside 3.0 > #301 > Checkstyle Warnings`.

CheckStyle Result

Warnings Trend

All Warnings	New Warnings	Fixed Warnings
2634	0	0

Summary

Total	High Priority	Normal Priority	Low Priority
2634	37	1651	946

Details

Files | Warnings | Details | High | Normal | Low

File	Total	Distribution
RSS-Core-RRLanguageTag.st	99	
jQuery-UI-JODatepicker.st	47	
Seaside-Core-WALinkElement.st	34	
Seaside-Pharo-Development-WADevelopment.st	33	
Scriptaculous-Core-SUInPlaceEditor.st	31	
Grease-Pharo-Core-GRPharoPlatform.st	23	
Prototype-Core-PTElement.st	23	
Seaside-Tools-Web-WAToolFiles.st	23	
Seaside-Core-WAUrl.st	21	
Javascript-Core-JSJsonParser.st	19	
Scriptaculous-Core-SUEffect.st	19	
jQuery-UI-JOTabs.st	17	
Seaside-Canvas-WAHtmlCanvas.st	17	
Scriptaculous-Components-SUWindow.st	16	
Seaside-Core-WAServerAdaptor.st	16	
Seaside-Tools-Web-WACollectionAttributeEditor.st	16	
jQuery-UI-JODraggable.st	15	
jQuery-UI-JOSortable.st	15	
Scriptaculous-Components-SUCarousel.st	15	
Scriptaculous-Components-SUDatePicker.st	15	
jQuery-UI-JODialog.st	14	



Working software
over comprehensive documentation

as long as that software is comprehensively documented.

<http://halfarsedagilemanifesto.org/>

■ Commented Classes

■ Commented Methods

100%

75%

50%

25%

0%

44%

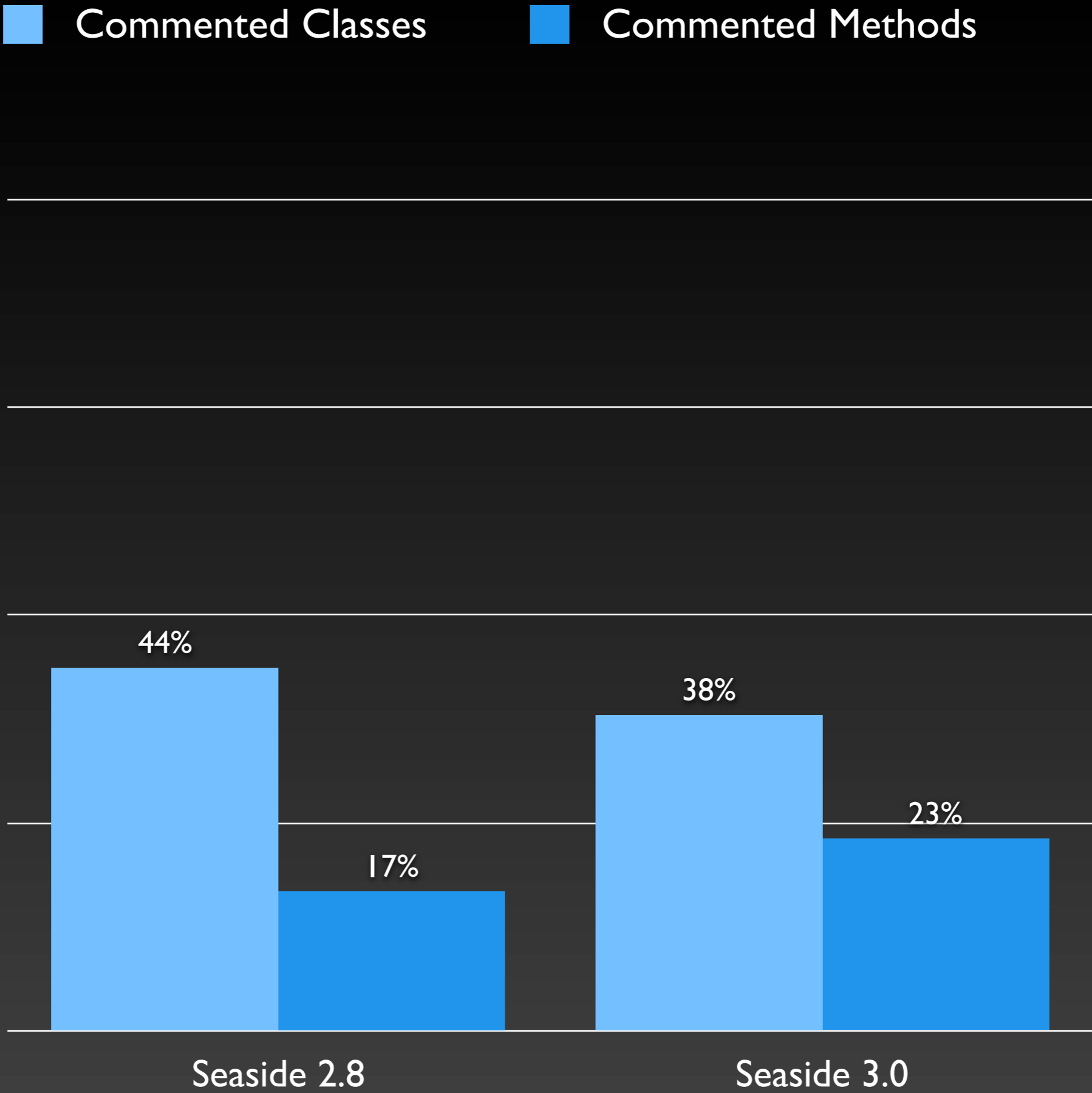
17%

38%

23%

Seaside 2.8

Seaside 3.0



■ Commented Classes

■ Commented Methods

3,000

2,250

1,500

750

0

208

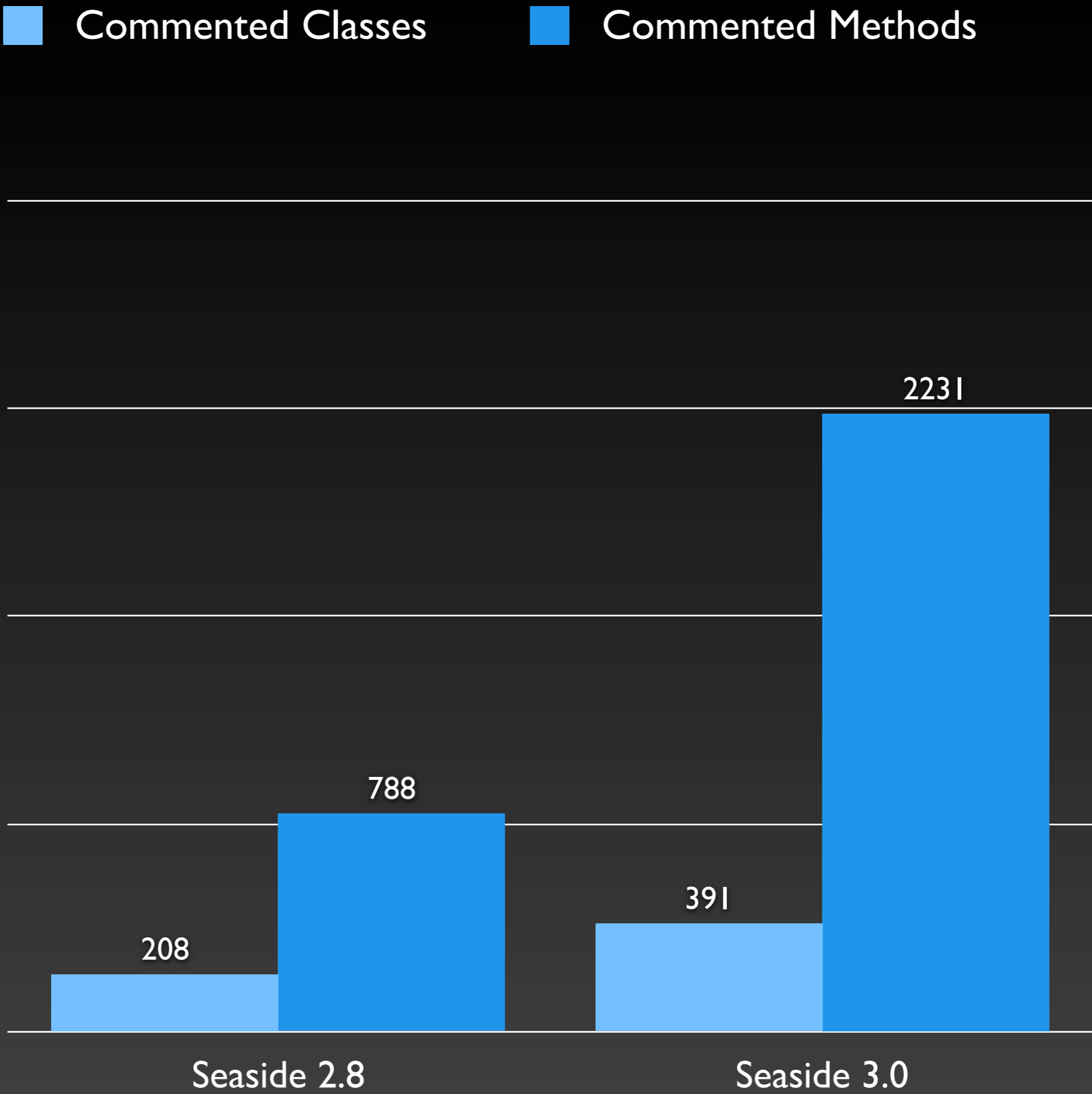
788

391

2231

Seaside 2.8

Seaside 3.0



Dynamic Web Development

with

seaside



Stéphane Ducasse, Lukas Renggli, C. David Shaffer, Rick Zaccane
with Michael Davies

Seaside is the open source framework of choice for developing sophisticated and dynamic web applications. Seaside uses the power of objects to master the web. With Seaside web applications is as simple as building desktop applications. Seaside lets you build highly dynamic and interactive web applications.

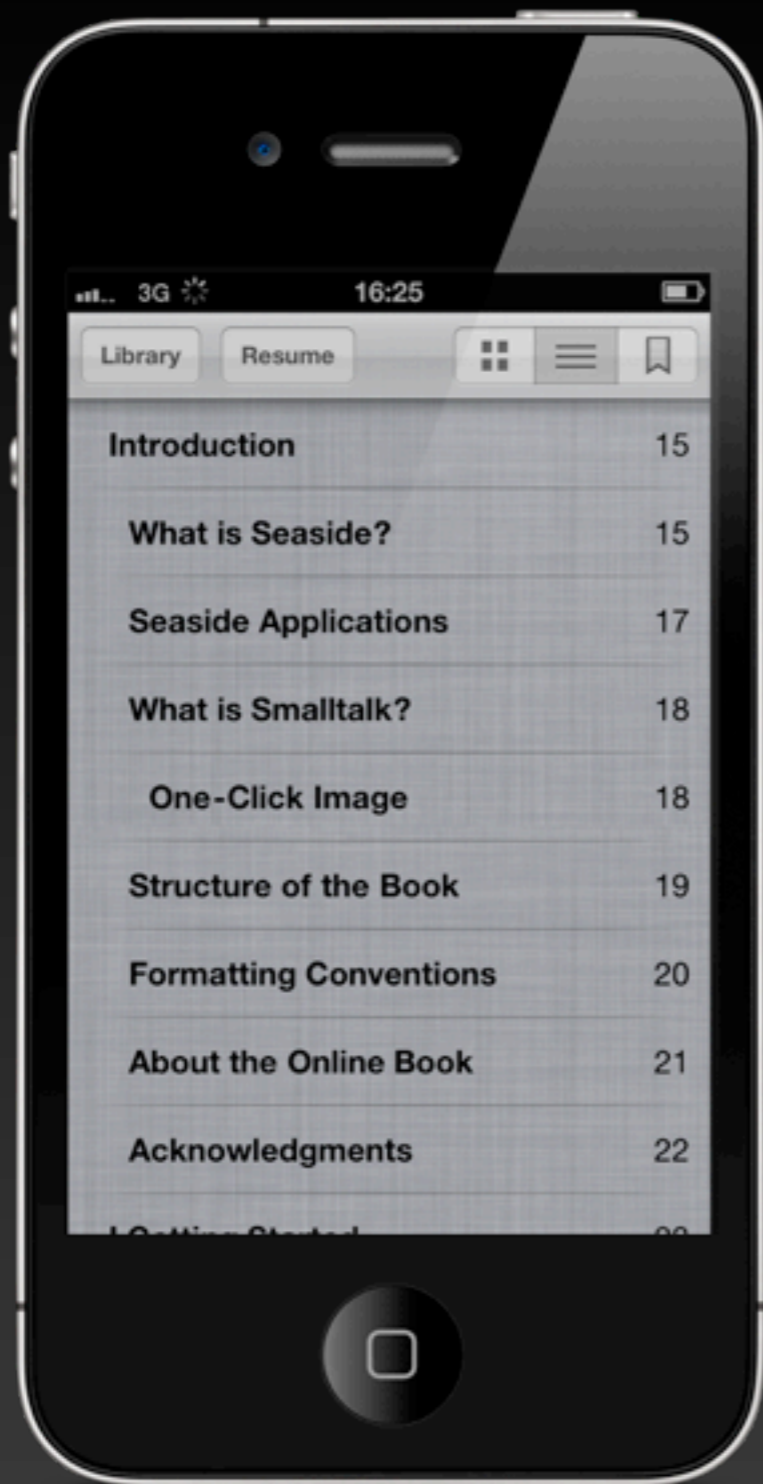
Seaside supports agile development through interactive debugging and unit testing. Seaside is based on Smalltalk, a proven and robust language implemented by different vendors. Seaside is now available for all the major Smalltalk including Pharo, Squeak, GNU Smalltalk, Cincom Smalltalk, GemStone Smalltalk, and VA Smalltalk.

→ [Table of Contents](#)



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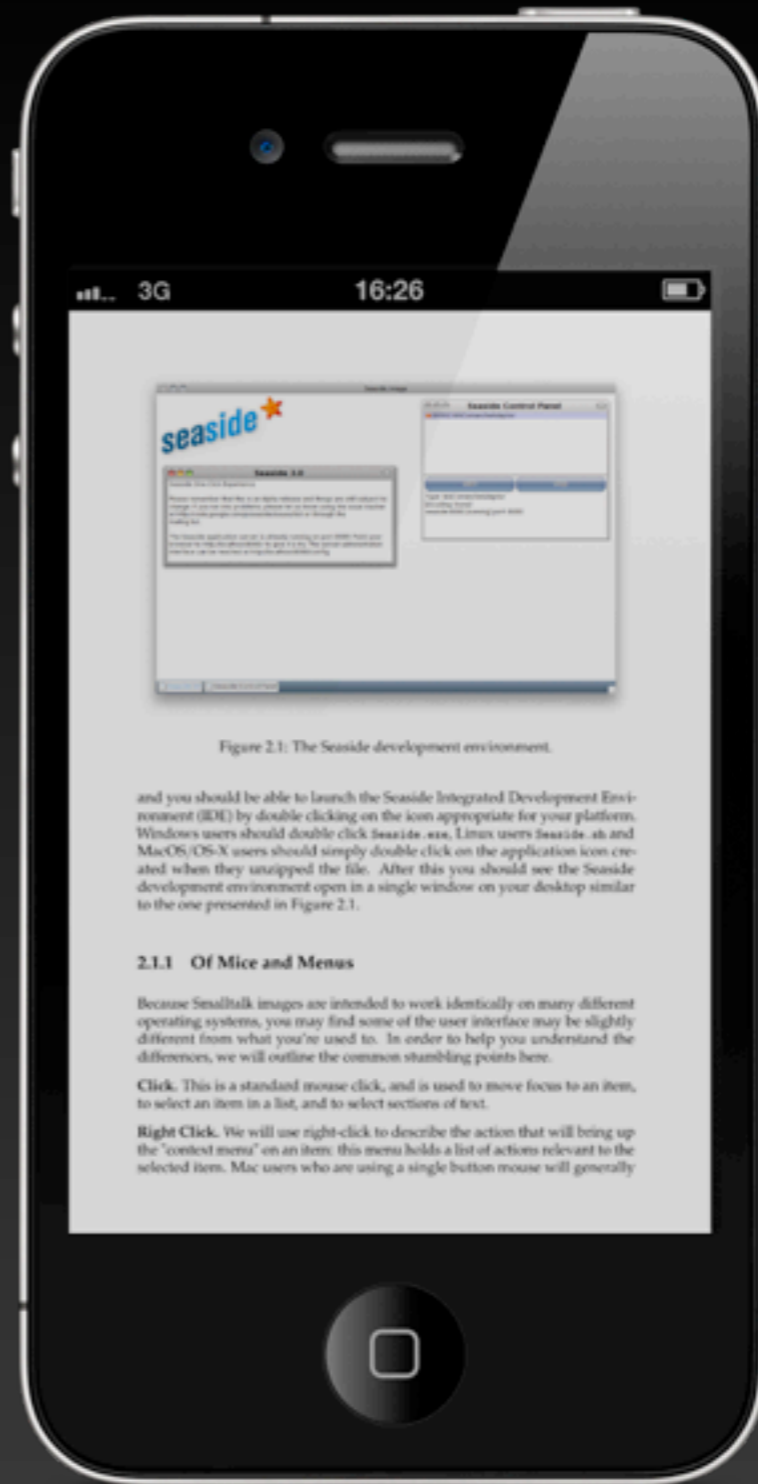
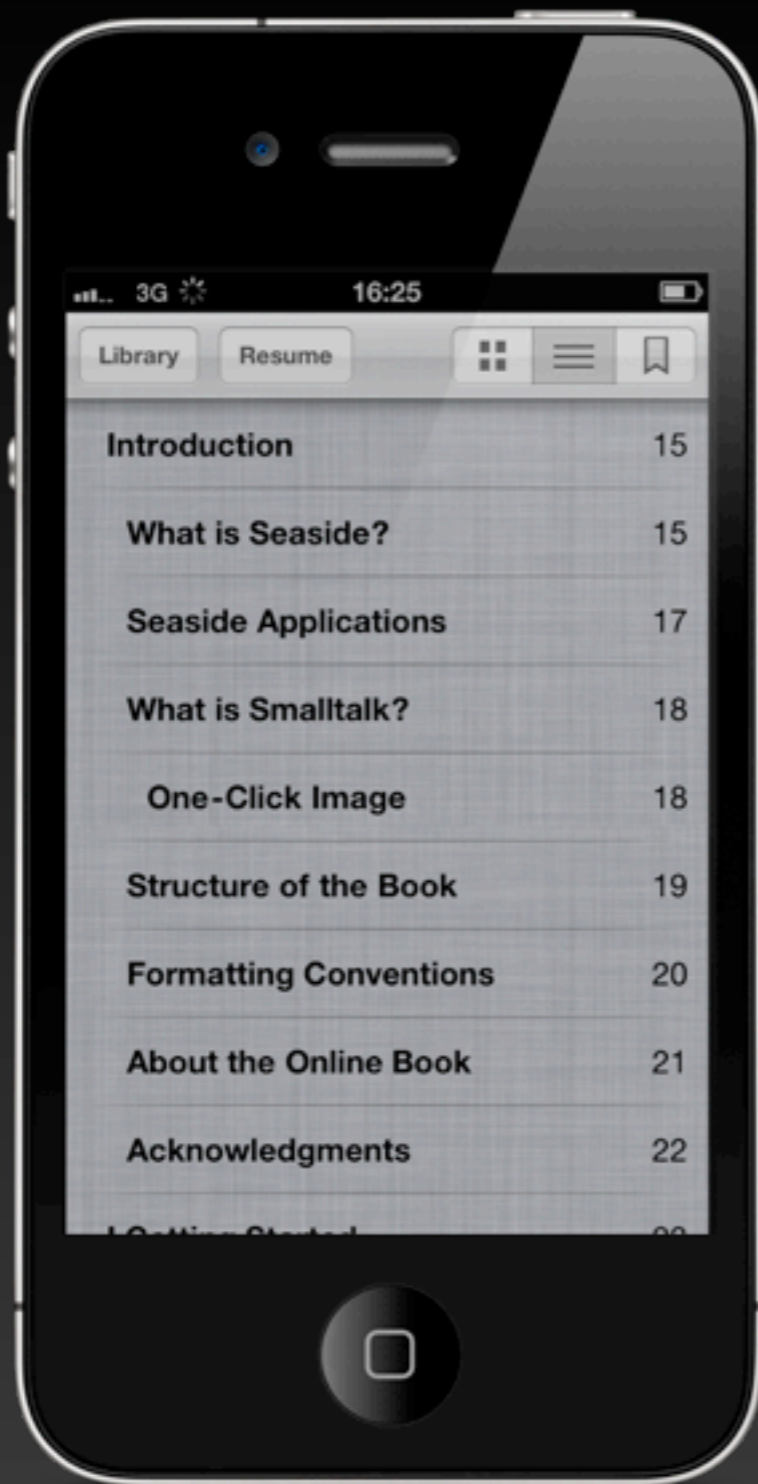


Figure 2.1: The Seaside development environment.

and you should be able to launch the Seaside Integrated Development Environment (IDE) by double clicking on the icon appropriate for your platform. Windows users should double click `seaside.exe`, Linux users `seaside.sh` and MacOS/OS-X users should simply double click on the application icon created when they unzipped the file. After this you should see the Seaside development environment open in a single window on your desktop similar to the one presented in Figure 2.1.

2.1.1 Of Mice and Menus

Because Smalltalk images are intended to work identically on many different operating systems, you may find some of the user interface may be slightly different from what you're used to. In order to help you understand the differences, we will outline the common stumbling points here.

Click. This is a standard mouse click, and is used to move focus to an item, to select an item in a list, and to select sections of text.

Right Click. We will use right-click to describe the action that will bring up the "context menu" on an item: this menu holds a list of actions relevant to the selected item. Mac users who are using a single button mouse will generally



Online
€ 0



Online
€ 0

PDF
€ 14



Online
€ 0



PDF
€ 14



Print
€ 28

*Working
Software*

Customer Collaboration

over contract negotiation



Who is our
customer?



open source

Customers

- ★ Ourselves (primarily)
- ★ Consulting clients
- ★ Mailing-list participants
- ★ Platform vendors

If I miss something,
I add it

If I break something,
I fix it

What about *you*?

- ★ Ask in the mailing-list
- ★ Create a issue in the bug tracker
- ★ Choose one of the following:
 - ★ Wait for somebody to fix it
 - ★ Submit a fix, patch, change
 - ★ 'Earn' commit rights

*Customer
Collaboration*

Responding to Change

over following a plan



Team

- ★ Avi, Julian 2002
- ★ Avi, Julian, Andrew 2003
- ★ Avi, Andrew 2004
- ★ Avi, Andrew, Michel, Lukas 2005
- ★ Lukas, Michel, Philippe, Avi 2006
- ★ Lukas, Philippe, Michel 2007
- ★ Lukas, Philippe 2008
- ★ Julian, Philippe, Lukas 2009
- ★ Julian, Philippe, Nick, Lukas 2010

Portability

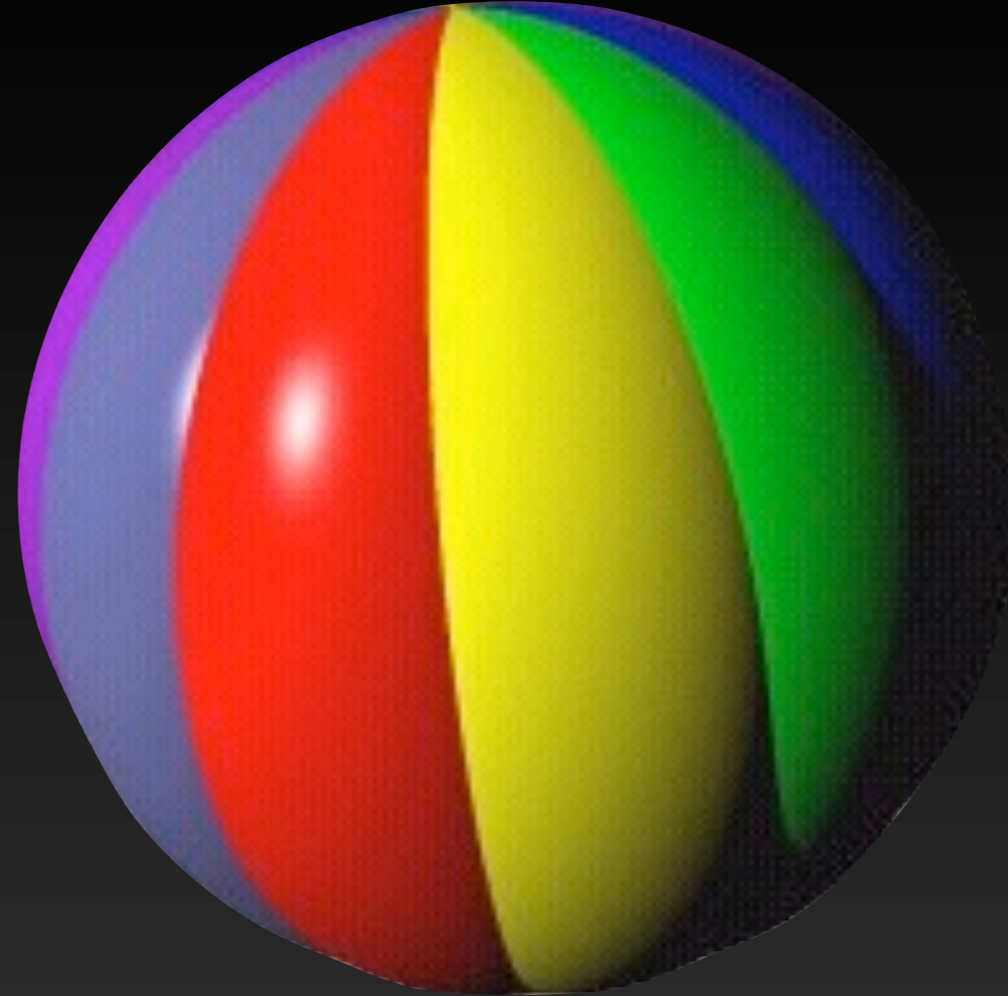


Squeak

(Development Platform)



Cincom Smalltalk



Dolphin Smalltalk



GemStone Smalltalk



GNU Smalltalk

2007



Pharo Smalltalk

(Development Platform)



VA Smalltalk

JavaScript

- ★ Seaside Async 2004
- ★ Prototype, script.aculo.us 2005
- ★ Comet 2006
- ★ jQuery, jQueryUI (+ WidgetBox) 2008
- ★ (Dojo Toolkit, Raphael, ...) 2010

... and many other libraries

Logo

seaside
squeak enterprise aubergines server

2002



2002



2005



2002

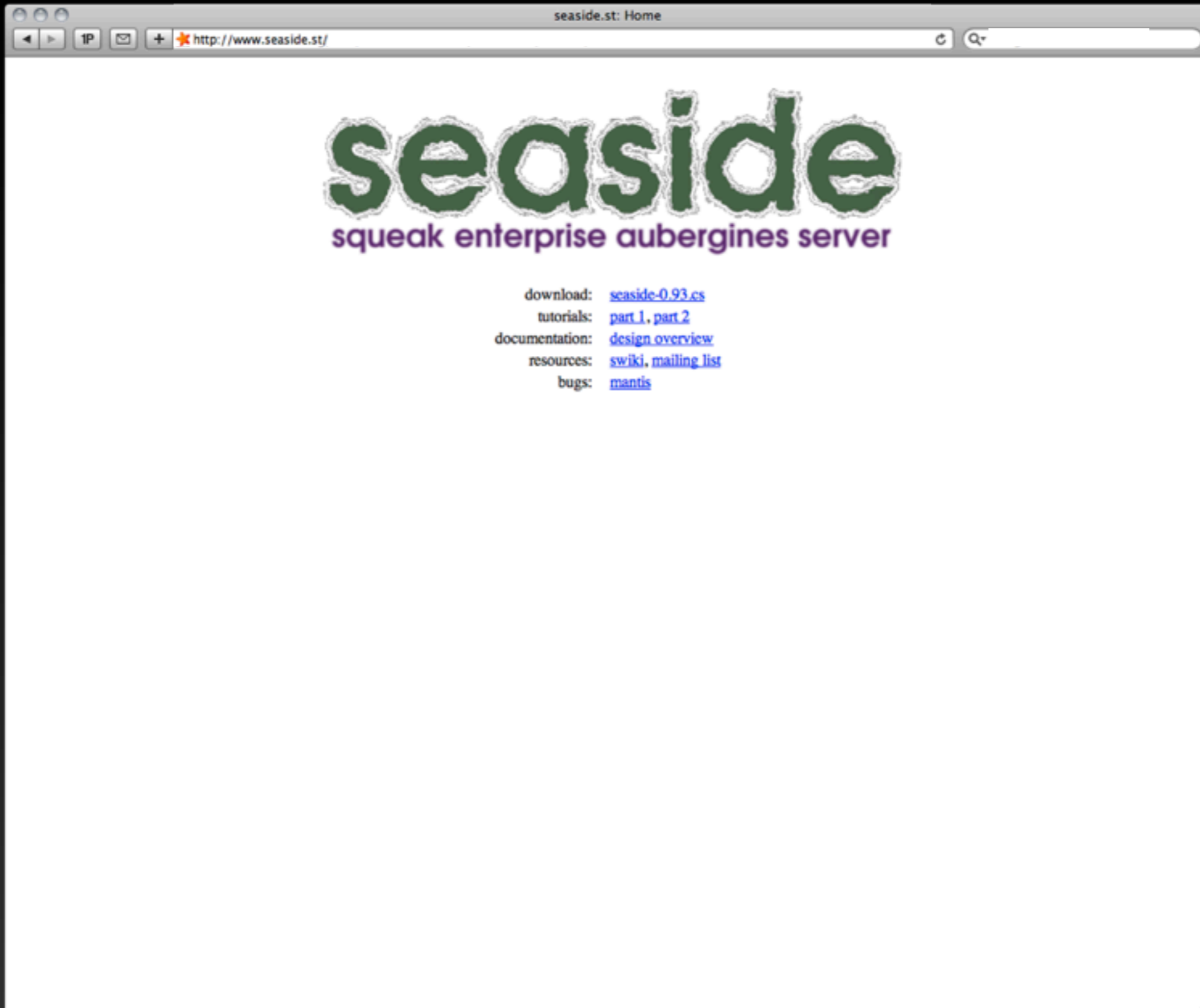


2005



2007

Website



Seaside: Squeak Enterprise Aubergines Server

In all fiction, when a man is faced with alternatives he chooses one at the expense of the others. In the almost unfathomable *Ts'ui Pen*, he chooses - simultaneously - all of them. He thus creates various futures, various times which start others that will in turn branch out and bifurcate in other times...
- Jorge Luis Borges, *The Garden of Forking Paths*

Downloads:

Seaside is a framework for developing sophisticated web applications in Smalltalk.

[Seaside2.st.gz](#)

Links:

Its most unique feature is its approach to session management: unlike servlet models which require a separate handler for each page or request, Seaside models an entire user session as a continuous piece of code, with natural, linear control flow - pages can call and return to each other like subroutines, complex sequences of forms can be managed from a single method, objects are passed by reference rather than marshalled into URLs or hidden fields - while fully supporting the backtracking and parallelism inherent to the web browser.

[Mailing List](#)

[Swiki](#)

Seaside also features a callback-based event model, a "transaction" system for auto-expiring pages, programmer-friendly HTML generation and designer-friendly templates, a system of reusable and embeddable UI components, and handy web-based development tools.

Documentation:

Seaside is maintained and supported by [Avi Bryant](#) and [Julian Fitzell](#) of Beta4 Productions. We are based out of Vancouver, Canada, and available for Seaside-related consulting services.

[Tutorial: A Walk on the Seaside](#)

Information on earlier versions of Seaside is available [here](#).

Recommended for first time users

[Renderer API](#)

Covers
WAHtmlGenerator and
WAHtmlRenderer

[Design Documentation](#)

For developers of the Seaside framework.

Seaside: Seaside

http://www.seaside.st/



Seaside

View | Contents | Changes | Search

Seaside

Seaside is a framework for developing sophisticated web applications in Smalltalk.

Seaside provides a layered set of abstractions over HTTP and HTML that let you build highly interactive web applications **quickly, reusably** and **maintainably**. Seaside includes:

- **Programmatic HTML generation.** A lot of markup is boilerplate: the same patterns of lists, links, forms and tables show up on page after page. Seaside has a rich API for generating HTML that lets you abstract these patterns into convenient methods rather than pasting the same sequence of tags into templates every time.
- **Callback-based request handling.** Why should you have to come up with a unique name for every link and form input on your page, only to extract them from the URL and request fields later? Seaside automates this process by letting you associate blocks, not names, with inputs and links, so you can think about objects and methods instead of ids and strings.
- **Embedded components.** Stop thinking a whole page at a time; Seaside lets you build your UI as a tree of individual, stateful component objects, each encapsulating a small part of a page. Often, these can be used over and over again, within and between applications - nearly every application, for example, needs a way to present a batched list of search results, or a table with sortable columns, and Seaside includes components for these out the box.
- **Modal session management.** What if you could express a complex, multi-page workflow in a single method? Unlike servlet models which require a separate handler for each page or request, Seaside models an entire user session as a continuous piece of code, with natural, linear control flow. In Seaside, components can call and return to each other like subroutines; string a few of those calls together in a method, just as if you were using console I/O or opening modal dialog boxes, and you have a workflow. And yes, the back button will still work.

Seaside also has good support for CSS and Javascript, excellent web-based development tools and debugging support, a rich configuration and preferences framework, and more.

Seaside is currently developed and supported by Avi Bryant, with the help of the Seaside community. Commercial support is available, and donations are welcome. Special thanks to Julian Fitzell, Adrian Lienhard, and Lukas Renggli for their contributions to Seaside, to <http://www.netstyle.ch> for sponsoring this site, and to Peter Macsadi for providing the Seaside logo.

Login

Search the Seaside

seaside

Smalltalk Enterprise Aubergines Server (with fully Integrated Development Environment)

About

- [Screenshots](#)
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- [Support](#)
- [Success Stories](#)

Documentation

Dynamic Web Development The open book with **seaside**  [Dynamic Web Development with Seaside](#) is available online. [Pdf](#) and [paper](#) versions are available too.

Also see: [FAQ](#), [Tutorials](#), [Migration](#), [Videos](#), and [more](#).

Community

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Seaside 3.0

Rendering Speed



News

[Web Development Specialized Skills And Interacts With The Customer...](#) 2010-08-23T03:42:09-00:00
x) Smalltalk including Seaside and ADAWeb, xi) Ruby comprising of Ruby on Rails, xii) Python th...

[Download Grease.Pod I whenever](#) 2010-08-22T07:29:58-00:00
Grease enhances the ANSI Smalltalk standard. With only a few exceptions, we assume platforms are ful...

[Seaside call vs show on Answer | Joachims Small World](#) 2010-08-18T14:39:55-00:00
If you are a VA Smalltalk user and would like to get your feet wet with Seaside, you will find out q...

[Next Cologne Smalltalk Meetup: September 30th | Joachims Small World](#) 2010-08-16T08:56:43-00:00
As always: Anyone interested in Smalltalk is invited, regardless if you only recently discovered the...

[Web Development Specialized Skills and Interacts With the Customer...](#) 2010-08-14T13:08:10-00:00
NET) -- a proprietary language from Microsoft, vii) Websphere -- owned by IBM, ix) SSJS (a server-s...

download

 Seaside is a free and [Open Source™](#) web application framework distributed under the [MIT License](#).

Seaside is available on the following Smalltalk platforms:

- [Pharo Smalltalk \(download\)](#)
- [Cincom Smalltalk](#)
- [Dolphin Smalltalk](#)
- [GemStone Smalltalk](#)
- [GNU Smalltalk](#)
- [Squeak Smalltalk](#)
- [VA Smalltalk](#)



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participate

[Mailing Lists](#): Ask questions and talk with Seaside experts.
[Weblogs](#): Read the latest news about the Seaside community.
[Contribute](#): Help to improve code and documentation of Seaside.

activity

[Update 3 to issue 511](#) ("WASwazooAdaptor fails WAlploadFunctionalTest and WAFencodingFunctionalTest")
[Update 2 to issue 511](#) ("WASwazooAdaptor fails WAlploadFunctionalTest and WAFencodingFunctionalTest")

powered by **seaside** 

This website is run on [Squeak](#), [Seaside](#) and is powered by the [Egg](#) CMS. The design was kindly provided by Samuel Morello. The site is hosted on a server of [netbric.ch](#).

*Responding
to Change*

Where do
we go?

Seaside 3.0

- ★ Better design
- ★ Better code
- ★ Better performance
- ★ Better support
- ★ Better portability
- ★ Better experience

Seaside 3.1

- ★ Bug-fixes (#isolate:, #lightbox:)
- ★ Improving configurability
- ★ Encoding improvements
- ★ Getting more developers involved
- ★ Shorter release cycle

Seaside BoF

Lunch Break 12:45

In this Room

Agile Software

seaside 

seaside.st — book.seaside.st — lukas-renggli.ch