

seaside 

Seaside pour tous!
<http://seaside.st>

Agenda

- ★ Natural Flow
- ★ Reusable Components
- ★ Secure by Default
- ★ Web 2.0
- ★ Applications

New book

★ <http://book.seaside.st>

★ Free open-source

In productive use
since 2002



THE HISTORY CHANNEL



CONCURSO CLASSIC ALBUMS

SELECCIONE PAIS

Argentina

Ingresar



En el siguiente enlace podrás encontrar la lista de los ganadores de cada semana.

[CONOCE LOS GANADORES](#)



CMSBOX GEWINNT
MASTER OF SWISS WEB



SYSTEM

SERVICE

FIRMA



DEMOS

FEATURES

VORTEILE

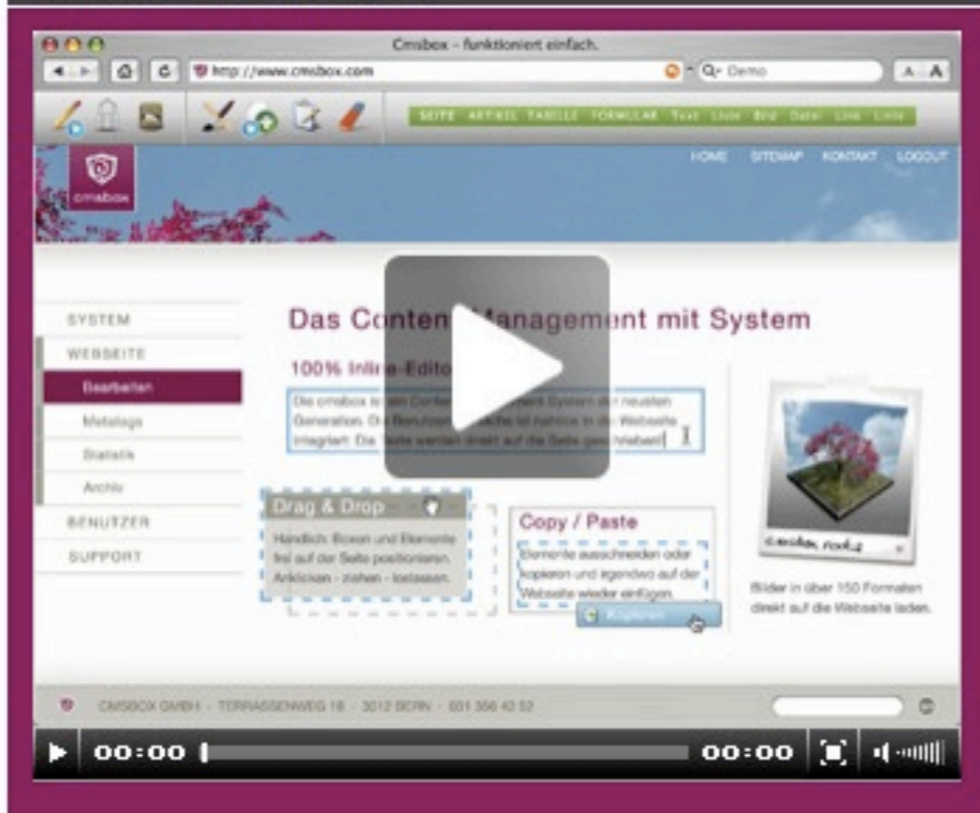
KUNDEN

TECHNOLOGIE

PREISE

Cmsbox – Das Content Management mit System

CMS Demo Movie



Funktioniert einfach.

Die cmsbox ist ein Web-Baukasten der nächsten Generation. Die Benutzeroberfläche ist nahtlos in die Webseite integriert: Alle Elemente, wie Texte, Links oder Bilder werden direkt auf der eigenen Internetseite bearbeitet und können bequem per Drag & Drop positioniert werden.

Einfach professionell.

Die cmsbox sorgt dafür, dass die Webseite immer perfekt aussieht: Mit zentral definierten Formatvorlagen und einem flexiblen Spaltenlayout passen sich alle Inhalte automatisch an das individuelle Design der Webseite an.

>> Mehr sehen

>> Partner werden



HOME SITEMAP PDF SPEICHERN KONTAKT LOGIN



dabble



Enter your data **once**.
Share it with **a dozen people**.
View it from **a hundred angles**.
The **power** of a database with
point-and-click **simplicity**.



Dabble DB helps you create an online database on the web.
It's easy to use yet extremely flexible and powerful.

Address	Asking Price	Bedrooms	Bathrooms
514 Division Road	261,000.00 CAD	5	2
571 1st Ave	320,000.00 CAD	4	2
3003 Central Ave.	490,000.00 CAD	2	1
712 Main St.	471,000.00 CAD	3	2
911 Marina Drive	520,000.00 CAD	4	2

Save multiple views of data from any angle and **re-organize** on a whim. **Share everything** with colleagues.

Your logo here

Time	SUN 11 NOV	MON 12 NOV	TUE 13 NOV	WED 14 NOV	THU 15 NOV	FRI 16 NOV
12 pm		Weekly Sales Meeting				

Collect data easily by creating online forms using a **drag-and-drop interface**.

Sign up now

Or find out more...
How you create a database
Free Commons account
Our blog
Contact us

Existing user? [Click here to login.](#)

Try Dabble DB right now

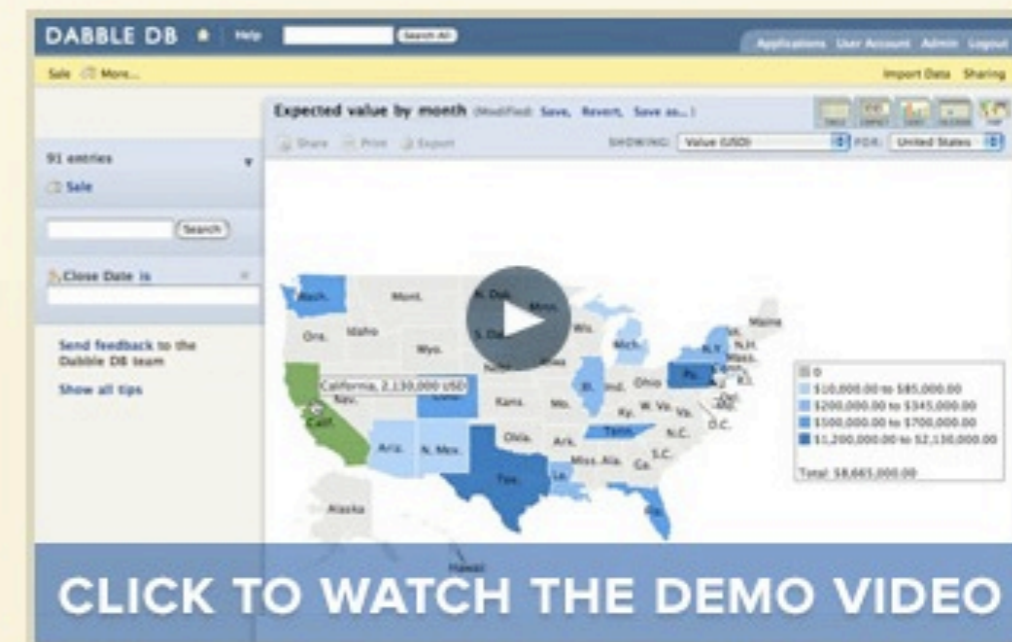
Free for 1 month

Pricing starts at \$10 per month for private plans.
Free for public data!

Sign up: 1 Month Free Private Trial

No credit card needed. Upgrade to a paid plan or to **Dabble DB Commons** at any time.

Not sure? [Watch our 8-minute demo](#) to see Dabble DB in action.



CLICK TO WATCH THE DEMO VIDEO

FEATURES

29 Nimble, Fast and Small

BizTech profiles three software startups, which offer insights on how to launch companies with staying power.

34 Pay-Per Chase

Search engine advertising needn't be a gamble — plus, with good analytics, you can rack up solid metrics about how well a campaign meets its goals.

43 Spin Control

Have a great in-house tech tool that you want to sell commercially? Find out how other companies succeeded in taking their wares to market.

Dare to take your own approach to creating and managing your company, say Andrew Catton (left) and Avi Bryant, co-CEOs of Smallthought Systems. Page 29

CONTENTS

39 Warming Up to Solar Energy

In Silicon Valley, startup Miasolé relies on technology as it works on a breakthrough approach to producing solar energy panels so thin they can be embedded in roofing and other materials, says IT chief Stephen Barry.



COVER PHOTO ILLUSTRATION BY JOE HENNER, ABOVE, CHRISTOPHER J. MORRIS; PICTURE PICTURES; RIGHT, ROBERT HOUSER

Selling made easy

Wish you could **sell more** on eBay?
Then start using **auctomatic**.

SKU	Product Name	Unit Cost	In Stock	For Sale	Sold	Folders
MACBOOK_P...	MacBook Po...	39.00	0	0	2	Electronics
MACBOOK_P...	MacBook Pro...	59.00	7	0	1	Electronics
BELKIN_TRA...	Belkin iPod T...	39.00	3	2	2	Electronics
POWERBOOK...	PowerBook 17"	1100.00	1	0	0	Laptops, Dis...
IPOD_20GB	iPod 20GB	109.00	1	0	0	Electronics
CLAMSHELL...	Clamshell iB...	499.00	1	1	0	Laptops, Dis...
MACBOOK_P...	MacBook Pro...	1899.00	2	1	3	Laptops
IPHONE_4GB	iPhone 4GB	200.00	0	0	0	Electronics
IPHONE_8GB	iPhone 8GB	319.00	26	3	4	Electronics
MACBOOK_B...	Macbook (BI...	1599.00	8	2	1	Laptops, Elec...
MACBOOK_W...	Macbook (W...	1399.00	11	2	2	Laptops, Elec...
IPOD_NANO...	iPod Nano 8GB	149.99	0	0	0	Electronics
IPOD_NANO...	iPod Nano 4GB	99.00	3	1	1	Electronics

"Essential to anyone handling high volumes of listings"
— Pete Cashmore, Mashable



Inventory Management

Stay on top of your stock



Auctions

Create great-looking auctions quickly



Pictures

Store and edit your pictures

[Take the tour](#)

OR

[Sign up now](#)

Demo

Natural Flow

Seaside

http://localhost/seaside/example1?_s=AXXWC

First number

2 OK

New Session Configure

Seaside

http://localhost/seaside/example1?_s=AXXI

Second number

3 OK

New Session Configure

Seaside

http://localhost/seaside/example1?_s=AXXI

5

Ok

New Session Configure Toggle Halos Profiler Memory Terminate XHTML 1/10 ms

```
<form action="second.html">  
  <input type="text" name="value1">  
  <input type="submit" value="OK">  
</form>
```

```
<form action="second.html">  
  <input type="text" name="value1">  
  <input type="submit" value="OK">  
</form>
```

```
<form action="result.html">  
  <input type="text" name="value2">  
  <input type="submit" value="OK">  
</form>
```

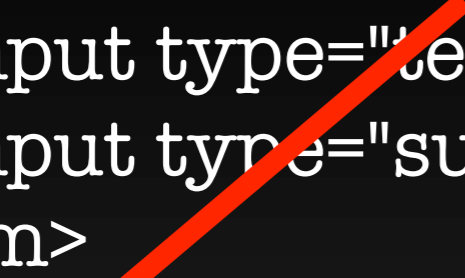


```
<form action="second.html">
  <input type="text" name="value1">
  <input type="submit" value="OK">
</form>
```

```
<form action="result.html">
  <input type="text" name="value2">
  <input type="submit" value="OK">
</form>
```

```
<p>
  <% value1 + value2 %>
</p>
```

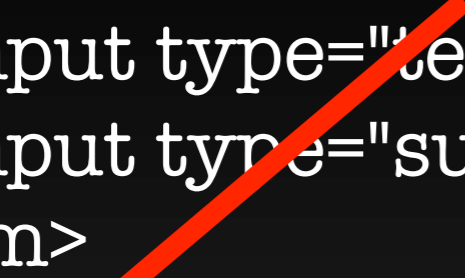
```
<form action="second.html">  
  <input type="text" name="value1">  
  <input type="submit" value="OK">  
</form>
```



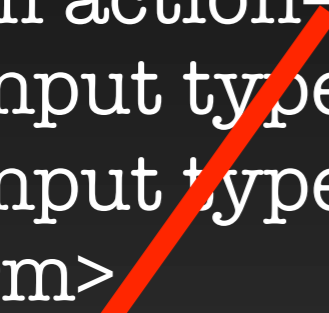
```
<form action="result.html">  
  <input type="text" name="value2">  
  <input type="submit" value="OK">  
</form>
```

```
<p>  
  <% value1 + value2 %>  
</p>
```

```
<form action="second.html">  
  <input type="text" name="value1">  
  <input type="submit" value="OK">  
</form>
```

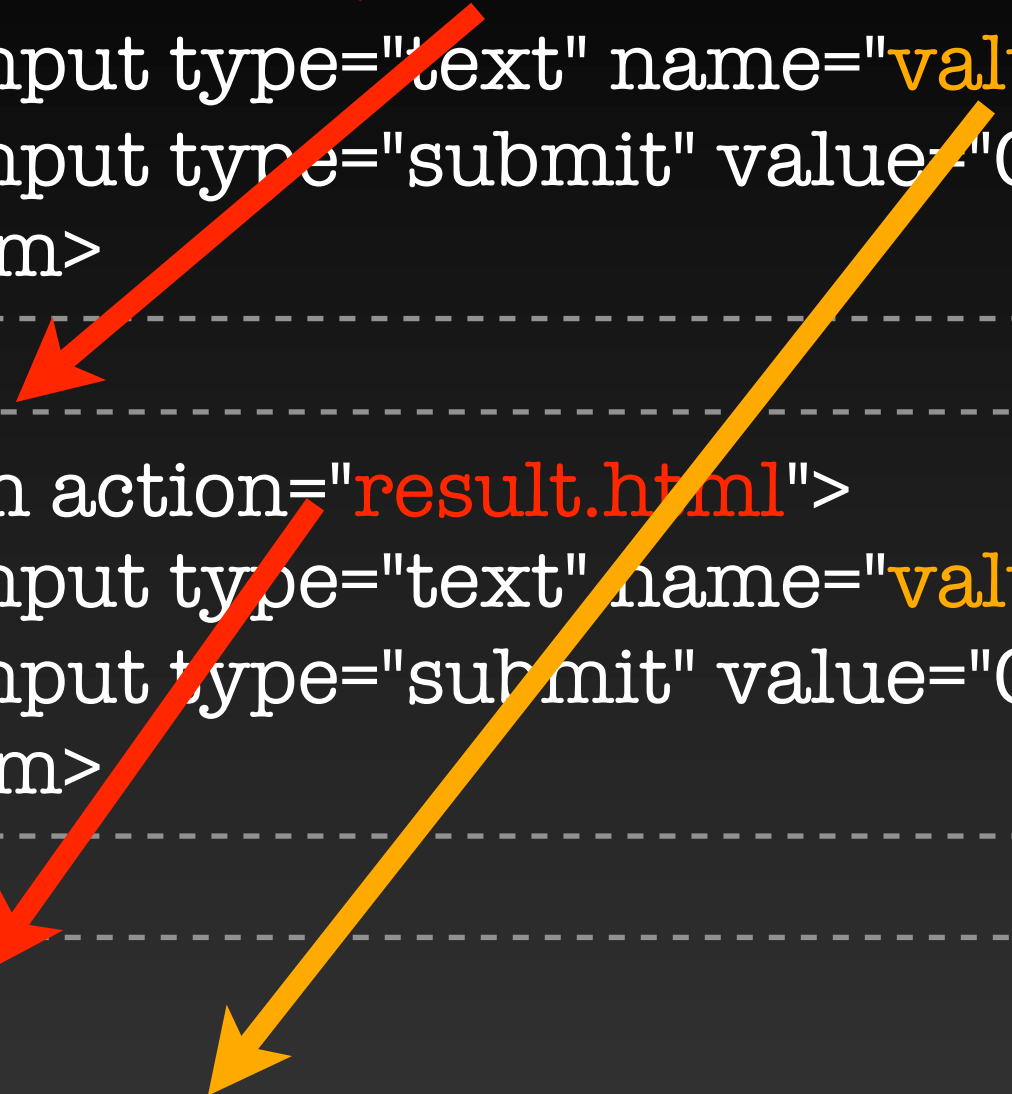


```
<form action="result.html">  
  <input type="text" name="value2">  
  <input type="submit" value="OK">  
</form>
```



```
<p>  
  <% value1 + value2 %>  
</p>
```

```
<form action="second.html">  
  <input type="text" name="value1">  
  <input type="submit" value="OK">  
</form>
```



```
<form action="result.html">  
  <input type="text" name="value2">  
  <input type="submit" value="OK">  
</form>
```

```
<p>  
  <% value1 + value2 %>  
</p>
```

```
<form action="second.html">
  <input type="text" name="value1">
  <input type="submit" value="OK">
</form>
```

```
<form action="result.html">
  <input type="hidden" name="value1" value="<% value1 %>">
  <input type="text" name="value2">
  <input type="submit" value="OK">
</form>
```

```
<p>
  <% value1 + value2 %>
</p>
```

```
<form action="second.html">
  <input type="text" name="value1">
  <input type="submit" value="OK">
</form>
```

```
<form action="result.html">
  <input type="hidden" name="value1" value="<% value1 %>">
  <input type="text" name="value2">
  <input type="submit" value="OK">
</form>
```

```
<p>
  <% value1 + value2 %>
</p>
```

Who cares about
HTTP anyway?

seaside 

is different

Concentrate on
your application ...

... no manual
request parsing

... no XML
configuration files

3 user interactions

3 lines of code

```
value1 := self request: 'First Number'.
```


value1 := self request: 'First Number'.

value2 := self request: 'Second Number'.

```
value1 := self request: 'First Number'.
```

```
value2 := self request: 'Second Number'.
```

```
self inform: value1 + value2.
```

X := A call: B



X := A call: B






answer:



B

answer:




X := 



Challenges

- ★ Hide continuations from developers
- ★ Combine objects and continuations
- ★ Multiple control flow on a single page
- ★ Optimize the use of continuations



Reusable Components

We don't think in
pages ...

..., but in stateful
components

Filter

cmsdev-1 (netstyle.ch - Pseudokontakt)

-- all members --

-- all types --

- all -

show

Statistics

Entries

Members



Renggli Lukas	67%
Lienhard Adrian	27%
Wysseier Christoph	6%
Lutz Niklaus	1%
Marschall Philippe	1%

Types



Smalltalk	83%
Meeting	10%
Support/other	4%
Hosting/Server	2%
Management	2%

Register work

Reports

Filter

cmsdev-1 (netstyle.ch - Pseudokontakt)

-- all members --

-- all types --

- all -

show

Statistics

Entries

Members



Renggli Lukas	67%
Lienhard Adrian	27%
Wyseier Christoph	6%
Lutz Niklaus	1%
Marschall Philippe	1%

Types

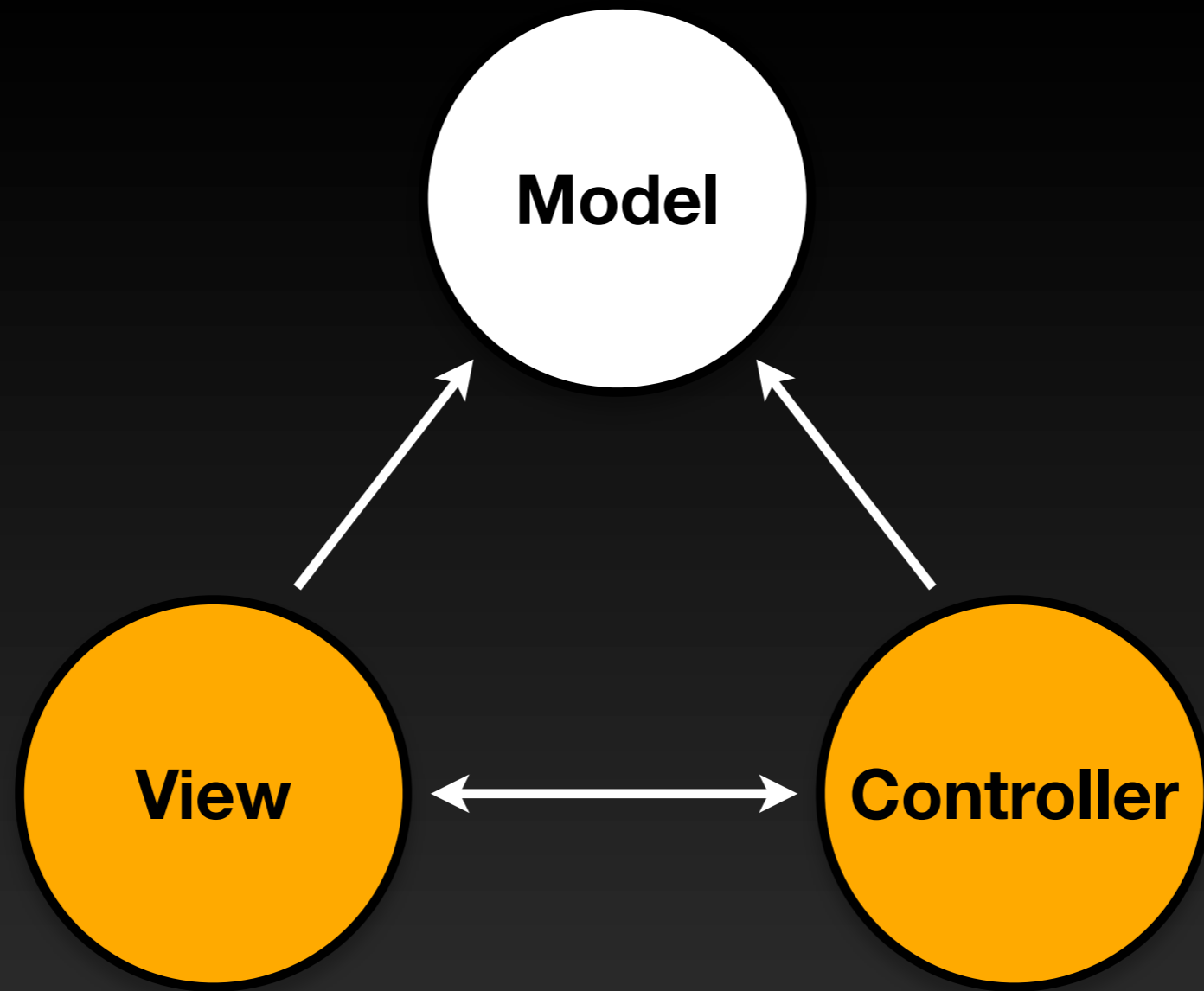


Smalltalk	83%
Meeting	10%
Support/other	4%
Hosting/Server	2%
Management	2%

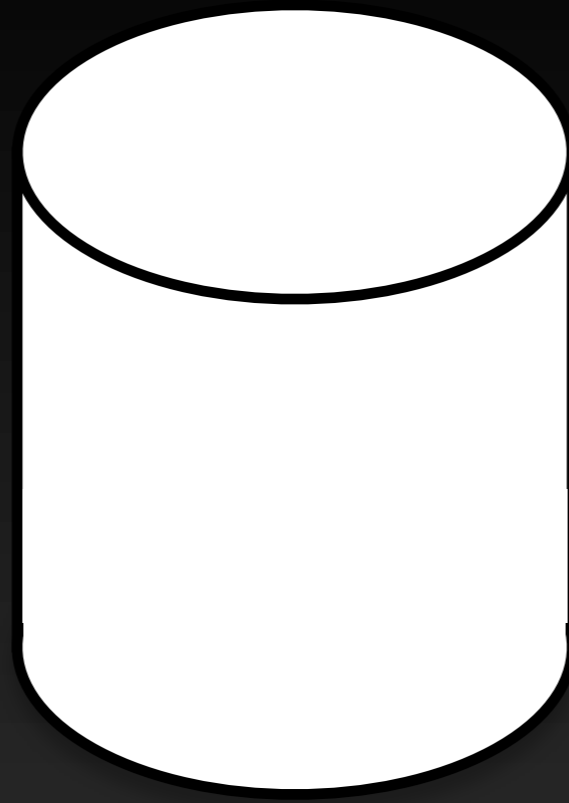
Components
are cool



Reuseable



Model, View, Controller



Persistent



Valid

CSS Designer

XHTML

Developer & Seaside

DRY

Don't Repeat Yourself

Domain Specific Language



html div id: 'title'; with: 'Title'



```
<div id="title">Title</div>
```

```
html div id: 'list'; with: [  
  html span class: 'item'; with: 'Item 1'.  
  html span class: 'item'; with: 'Item 2' ]
```



```
<div id="list">  
  <span class="item">Item 1</span>  
  <span class="item">Item 2</span>  
</div>
```


Demo



Secure by Default



Cross Site Scripting

Output is **encoded**
by default

html text: '<script>alert("xss")</script>'



<script>alert('xss');</script>



Replay Attacks

Session

`_s=Ru8ZKgqjy0uDX3kf`

96-bit

Page

$_k = K5EQyqKE$

48-bit



Parameter Tampering

Names are generated
automatically

Names are bound
to **functions**

No manual
request parsing

Don't call Seaside,
Seaside will call you



html anchor

```
callback: [ self inform: 'Hello World' ];  
with: 'Show Message'
```



```
<a href="/seaside/example1  
?_s=Ru8ZKgqjy0uDX3kf  
&_k=K5EQyqKE  
&32">Show Message</a>
```

A large, dark gray, stylized number '4' is positioned on the left side of the slide. It has a thick, blocky appearance with a slight shadow effect.

Web 2.0



3,220

3,220

3,245

3,245

3,220

3,220

3,220

3,245

3,245

3,220

Source: Flickr, Benjamin Jackson

Friday, November 12, 2010



AJAX

Tight, but **optional**
integration

Say it in Smalltalk



Source: Flickr, psrman's

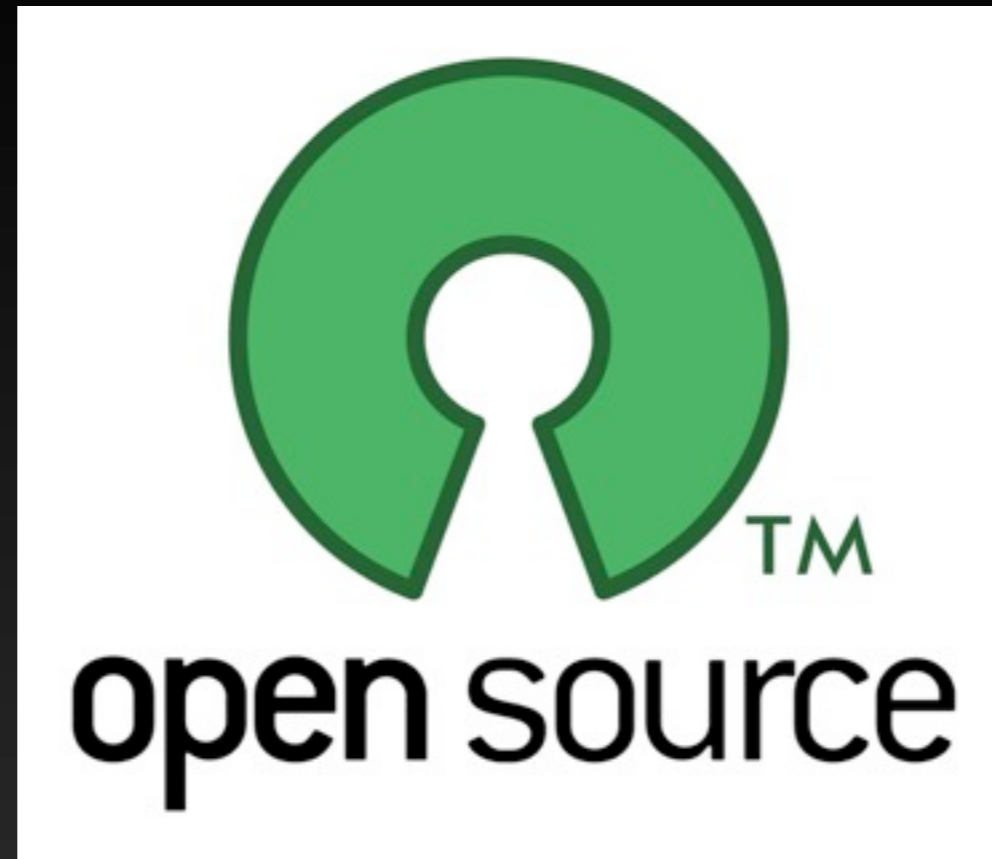
Friday, November 12, 2010

Comet

A night sky photograph featuring the Milky Way galaxy and a comet with a bright tail. The foreground shows dark, silhouetted mountains.



Seaside



MIT License



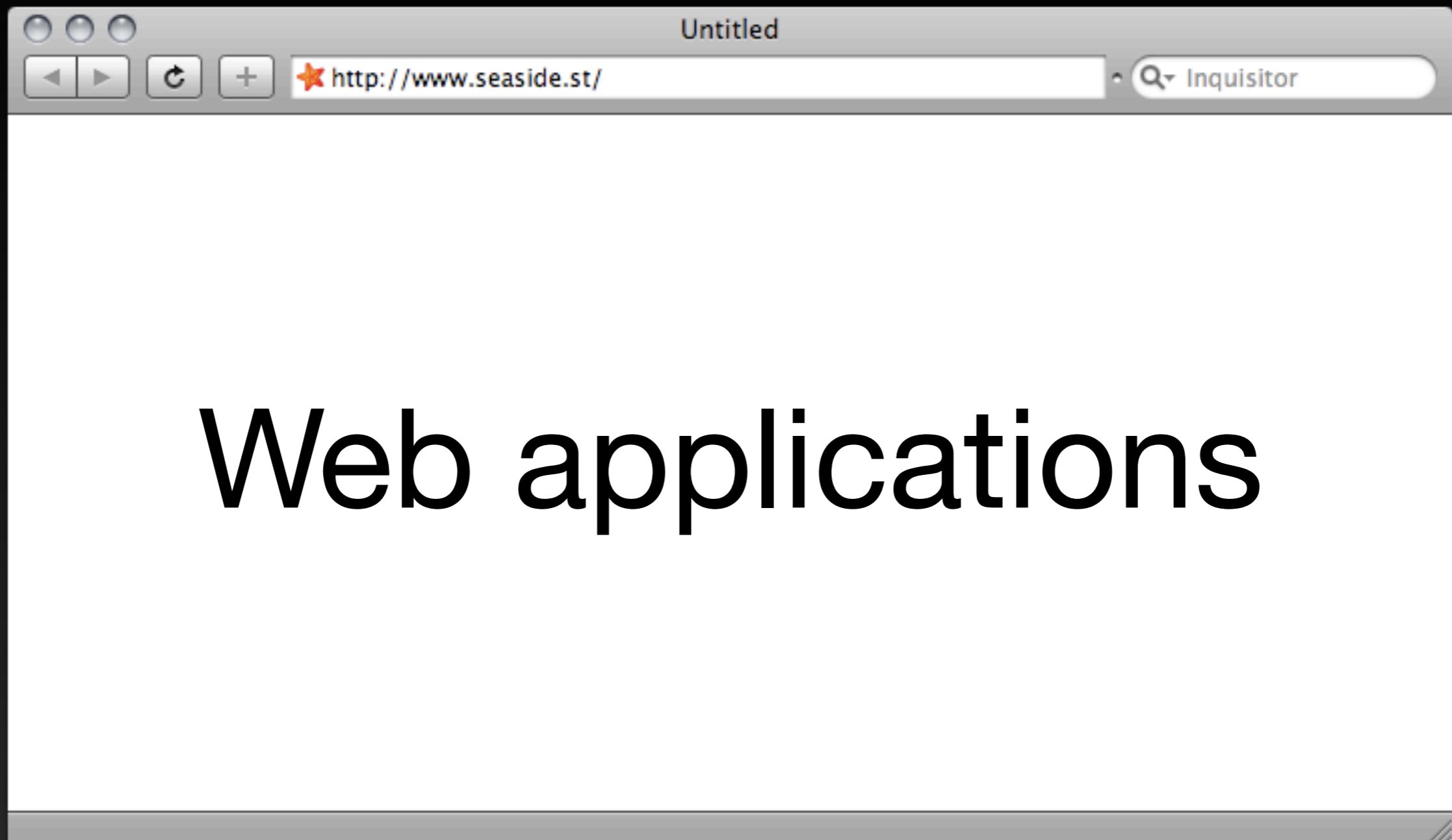
Squeak/Pharo



GNU Smalltalk



Did you notice?



No URL fiddling

No request parsing

WACounter   

[R|S]

Development tools



Control flow at ease

seaside 

www.seaside.st

www.lukas-renggli.ch