

The Heretic Web Framework

## Seaside



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**Seaside is  
different by design**

**We share as much  
state as possible**

**We don't use  
meaningful URLs**

**We don't  
use templates**

**Seaside is written  
in Smalltalk**

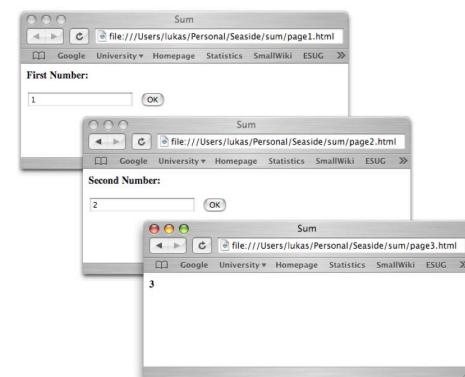
# Lukas Renggli

- Academics
  - PhD Student, University of Bern
- Industrial
  - Software Engineer, netstyle.ch
- Communities
  - Core developer of Seaside
  - Author of Magritte and Pier

# Agenda

- Example
- Output
- Callbacks
- Components
- Web 2.0
- Applications
- Wrap Up

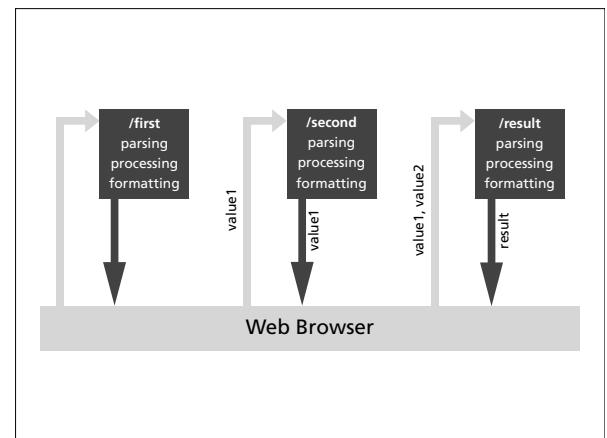
## Example



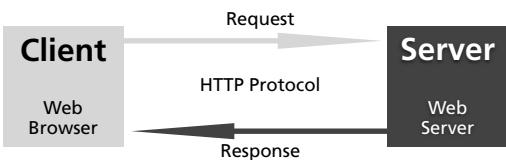
```
<form action="second.html">
  <input type="text" name="value1">
  <input type="submit" value="OK">
</form>

<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

```
| value1 value2 |
value1 := self request: 'First Number'.
value2 := self request: 'Second Number'.
self inform: value1 asNumber + value2 asNumber.
```

# Demo

**Output**

**XHTML**

Seaside

**CSS**

Designer

```
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

**Callbacks**

**No freaking  
request parsing**

**Don't ask me,  
I call you**

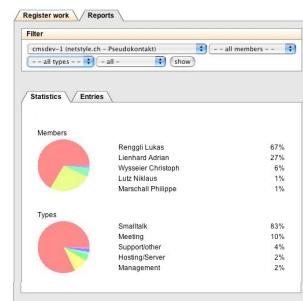
# Demo

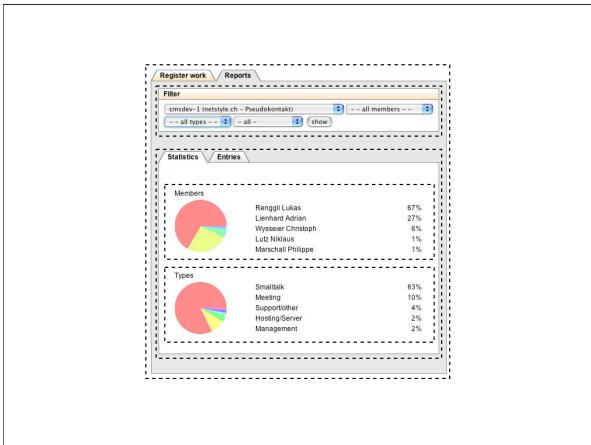
## Components

We don't  
think in pages ...

..., but in stateful  
components

## Reusability





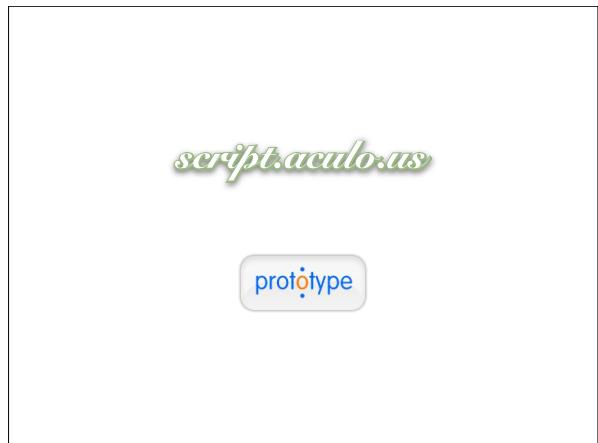
# Demo

**Web 2.0**

  
**XHTML**  
Semantically valid markup

  
**CSS**  
Cascading Style-Sheets

  
**RSS**  
Really Simple Syndication



**Tight, but optional integration**

**Feature complete and up-to-date**

**Say it in Smalltalk**

html effect shake  
↓  
new Effect.Shake(this)

# Demo



**Comet**

Server Push

# Demo

## Applications

Since 2002 in  
productive use

A grid of 12 screenshots from different software applications, including web browsers and desktop interfaces. The applications shown include SquidSource, ESE 2006, Run BASIC, scriptaculous, ProjectManager, u^b, Photo-Indexer, iitkov zivotopiske aplikace, Baroot, and iobservetravel. Each screenshot displays a different aspect of the application's functionality, such as code editors, database management, and user interface designs.



A screenshot of the CMS box website. The header includes the CMS box logo and navigation links for "Features", "Module", "Branding", "Produkt", "Services", and "Firma". The main content area has a section titled "Das Content Management mit System" with a sub-section "Intuitiv". It describes the system as intuitive and flexible, allowing users to manage content directly on their own website without needing to log into a separate CMS. Another section, "Flexibel", discusses the system's adaptability to different needs like e-commerce, news, and blogs. The footer contains links for "Demo Movie", "Junior Web Award", and "www.cmsbox.ch".

# Demo

## Did you notice?

Web applications

No URL fiddling

**No request parsing**

**Development tools  
at your fingertips**

**Complex workflow  
at ease**

**www.seaside.st**

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