The Heretic Web Framework

Seaside

Web 2.0

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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

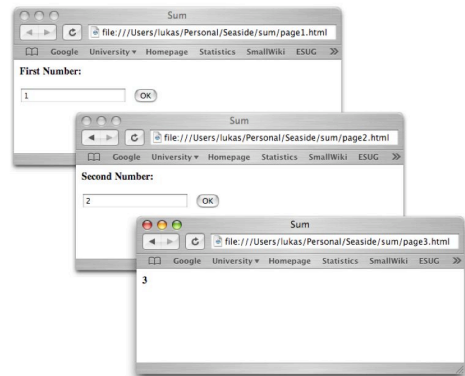---

Seaside is written in Smalltalk

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- 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">                                first.html
    <input type="text" name="value1">
    <input type="submit" value="OK">
</form>

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

<p>                                                        result.html
    <% value1 + value2 %>
</p>
```
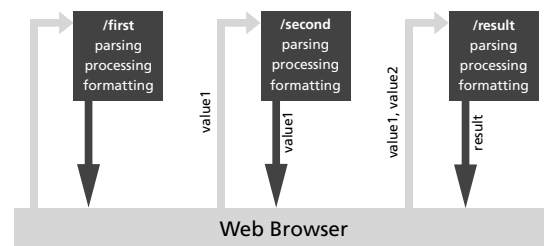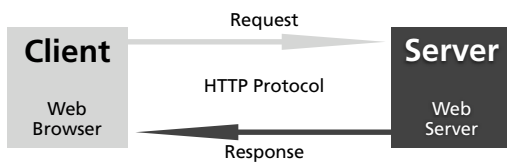

/first parsing processing formatting		/second parsing processing formatting		/result parsing processing formatting

value1 / value1 / value1, value2 / result

Web Browser

Who cares about HTTP anyway?

Client		Server
Web Browser	Request →	Web Server
	HTTP Protocol	
	← Response	

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>
```
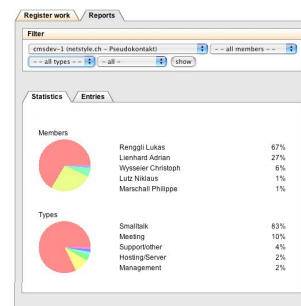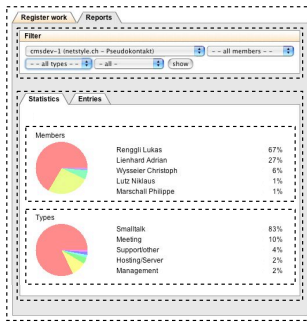
Demo

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

AJAX

Asynchronous JavaScript and XML

script.aculo.us

prototype

Tight, but optional integration

Feature complete and up-to-date

Say it in Smalltalk
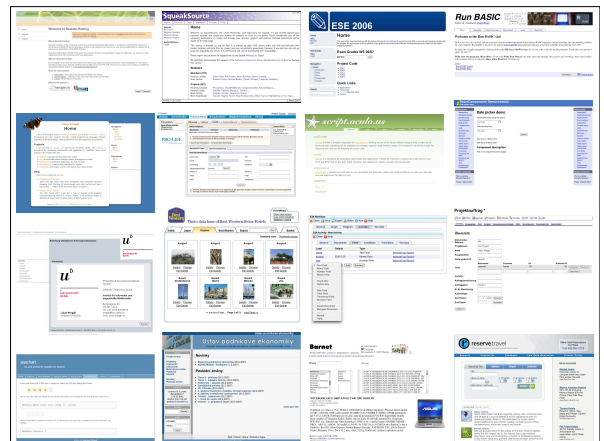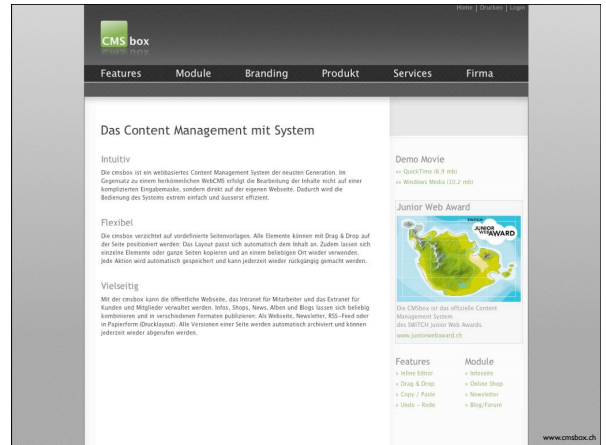
html effect shake

↓

new Effect.Shake(this)

Demo

Comet
Server Push

Demo

Applications

Since 2002 in productive use

Demo

Did you notice?

Web applications

No URL fiddling

No request parsing

**Development tools
at your fingertips**

**Complex workflow
at ease**

**Web
3.0**

www.seaside.st

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