

seaside 

Web development,

as you  it

Lukas Renggli

★ Academics

- ★ PhD Student, University of Bern

★ Industry

- ★ Independent Software Consultant

★ Communities

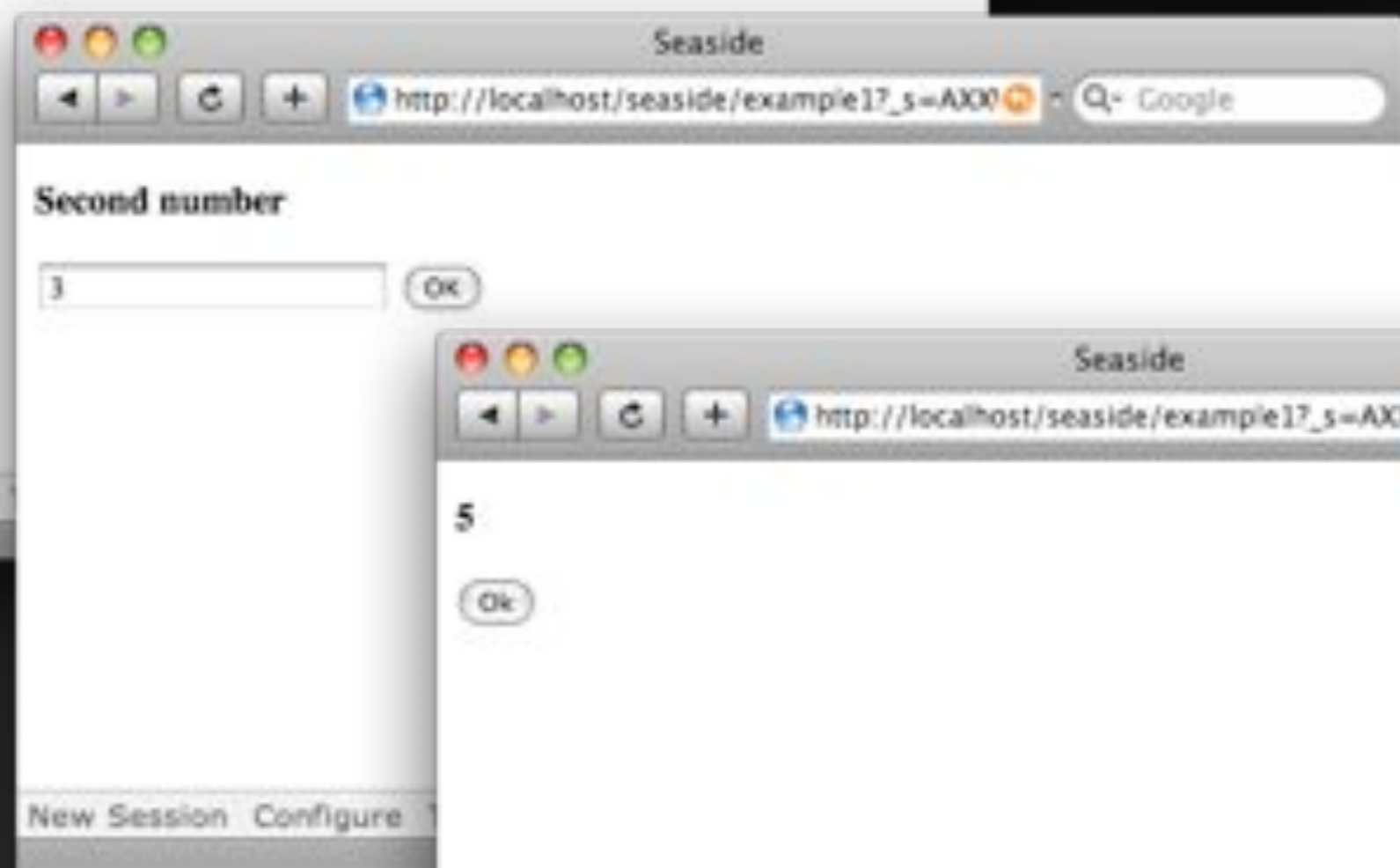
- ★ Core-developer of Seaside

- ★ Author of Magritte and Pier

Agenda

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

Natural Flow



```
<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>
```



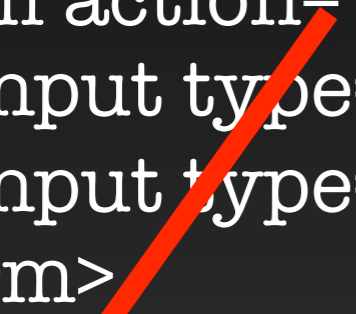
```
<form action="result.html">
  <input type="text" name="value2">
  <input type="submit" value="OK">
</form>
```

```
<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>
```

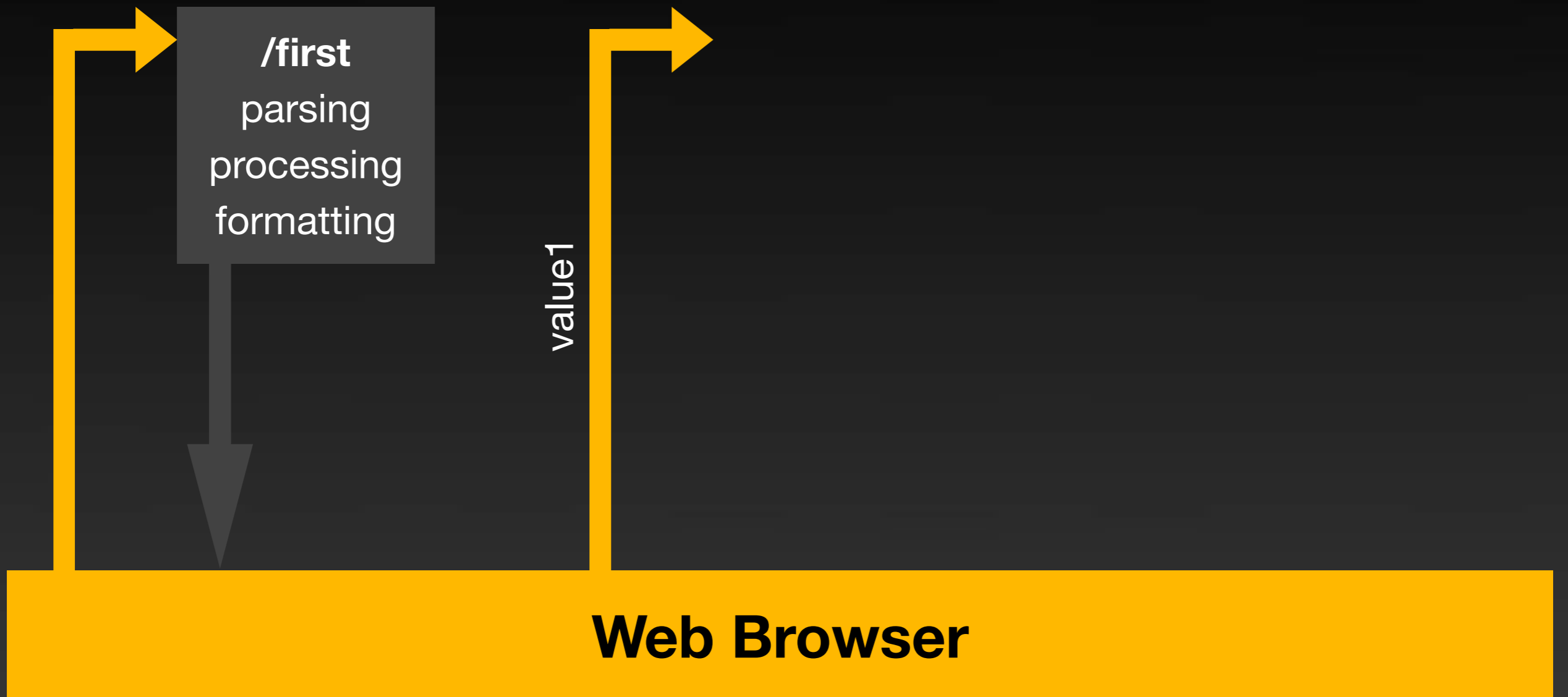
Web Browser

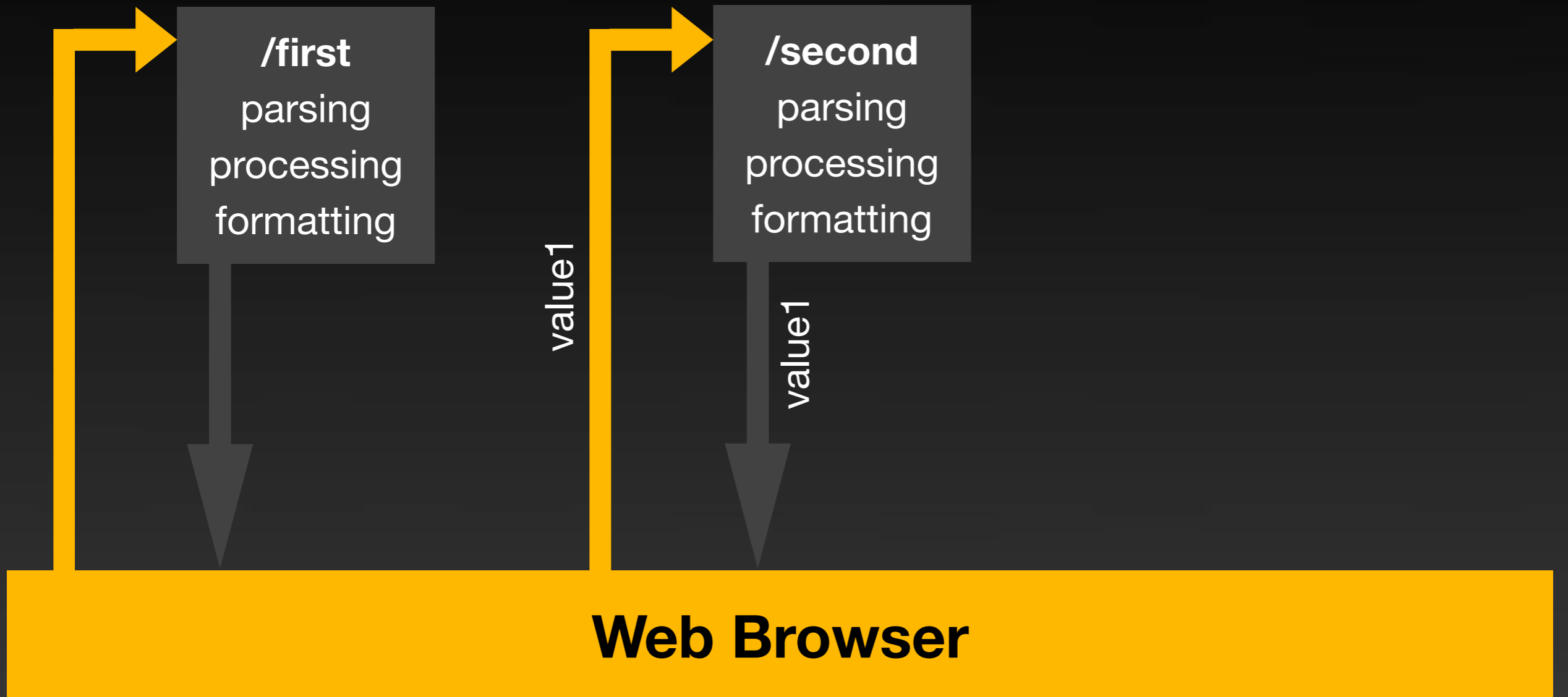
Web Browser

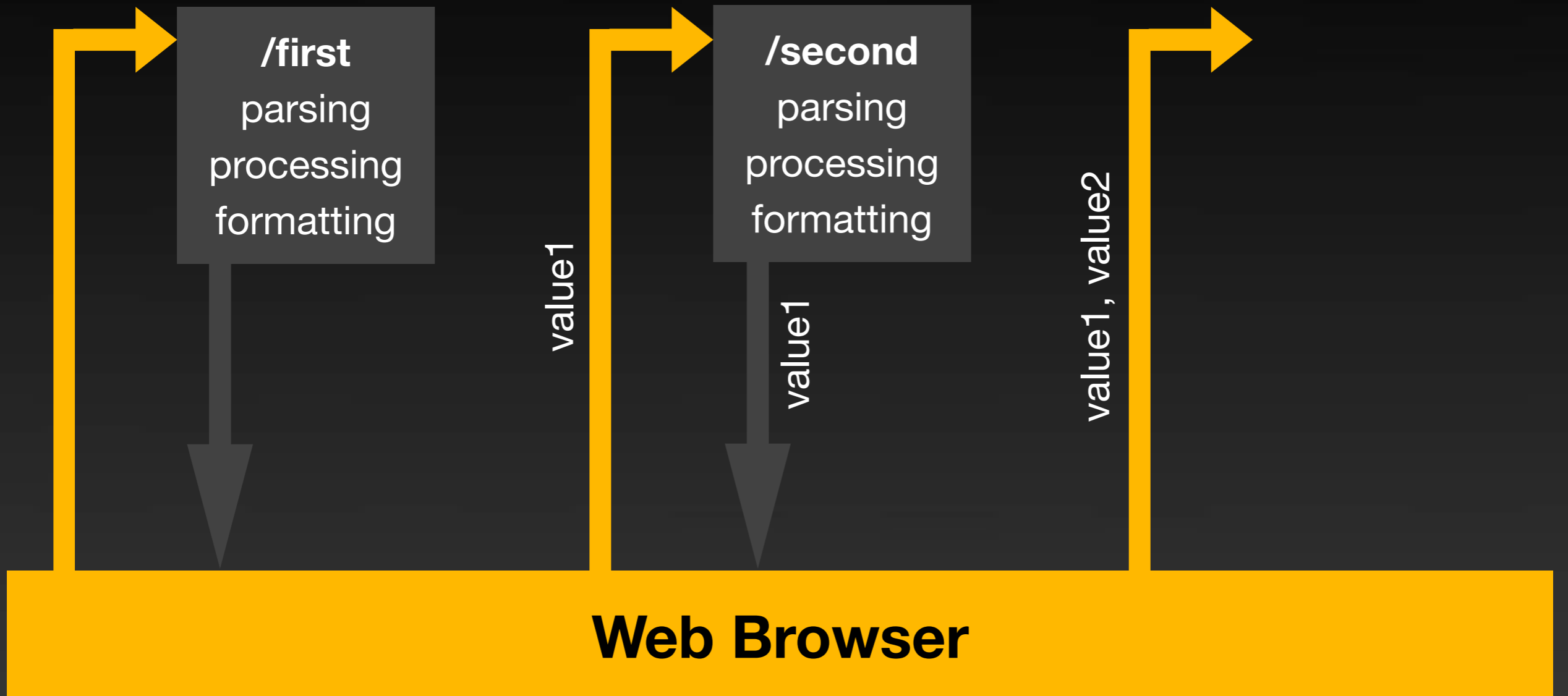


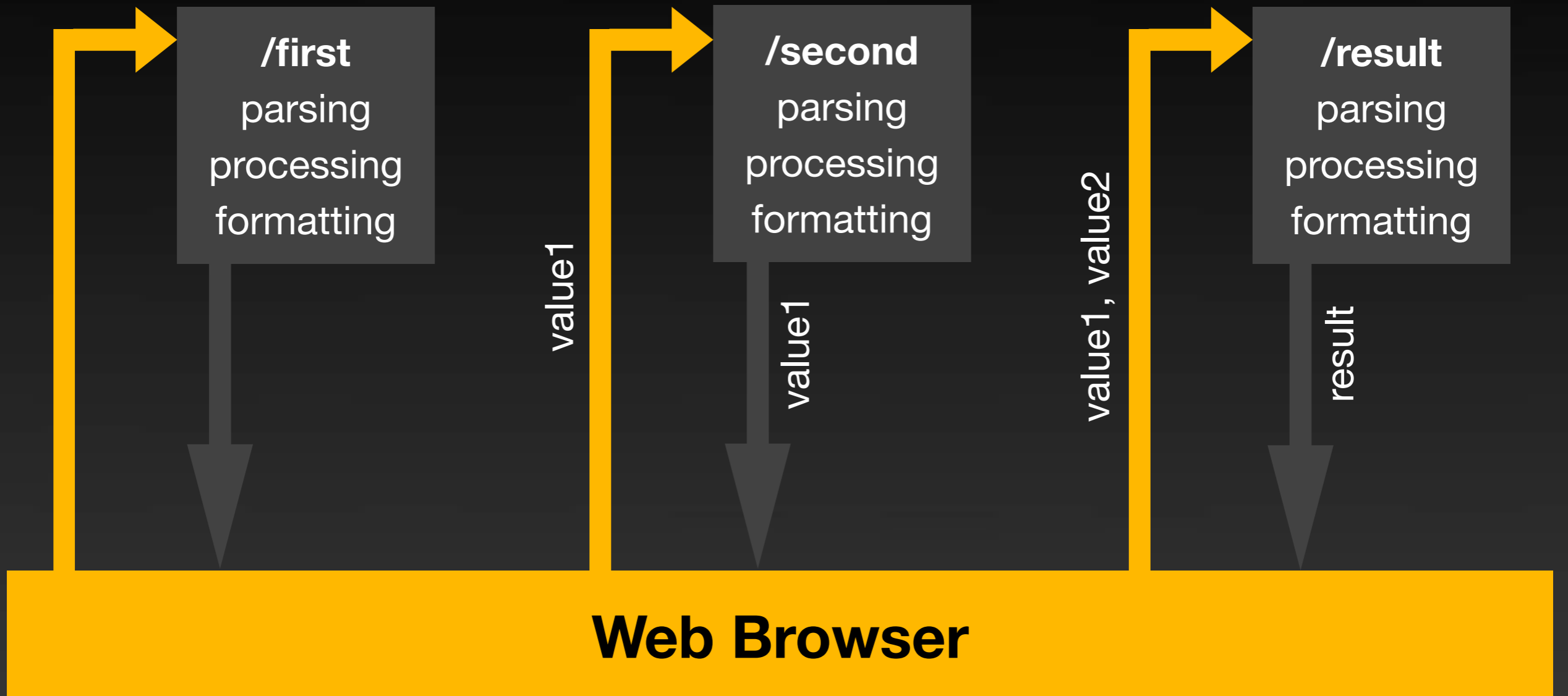
/first
parsing
processing
formatting

Web Browser









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.
```

Demo



Reusable Components

We don't think in
pages ...

..., but in stateful
components

Filter

cmsdev-1 (netsstyle.ch - Pseudokontakt)

-- all members --

-- all types --

-- all --

show

Statistics

Entries

Members



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

Types



Smalltalk	63%
Meeting	10%
Support/other	4%
Hosting/Server	2%
Management	2%

Register work

Reports

Filter

cmsdev-1 (netsstyle.ch - Pseudokontakt)

-- all members --

-- all types --

-- all --

show

Statistics

Entries

Members



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

Types

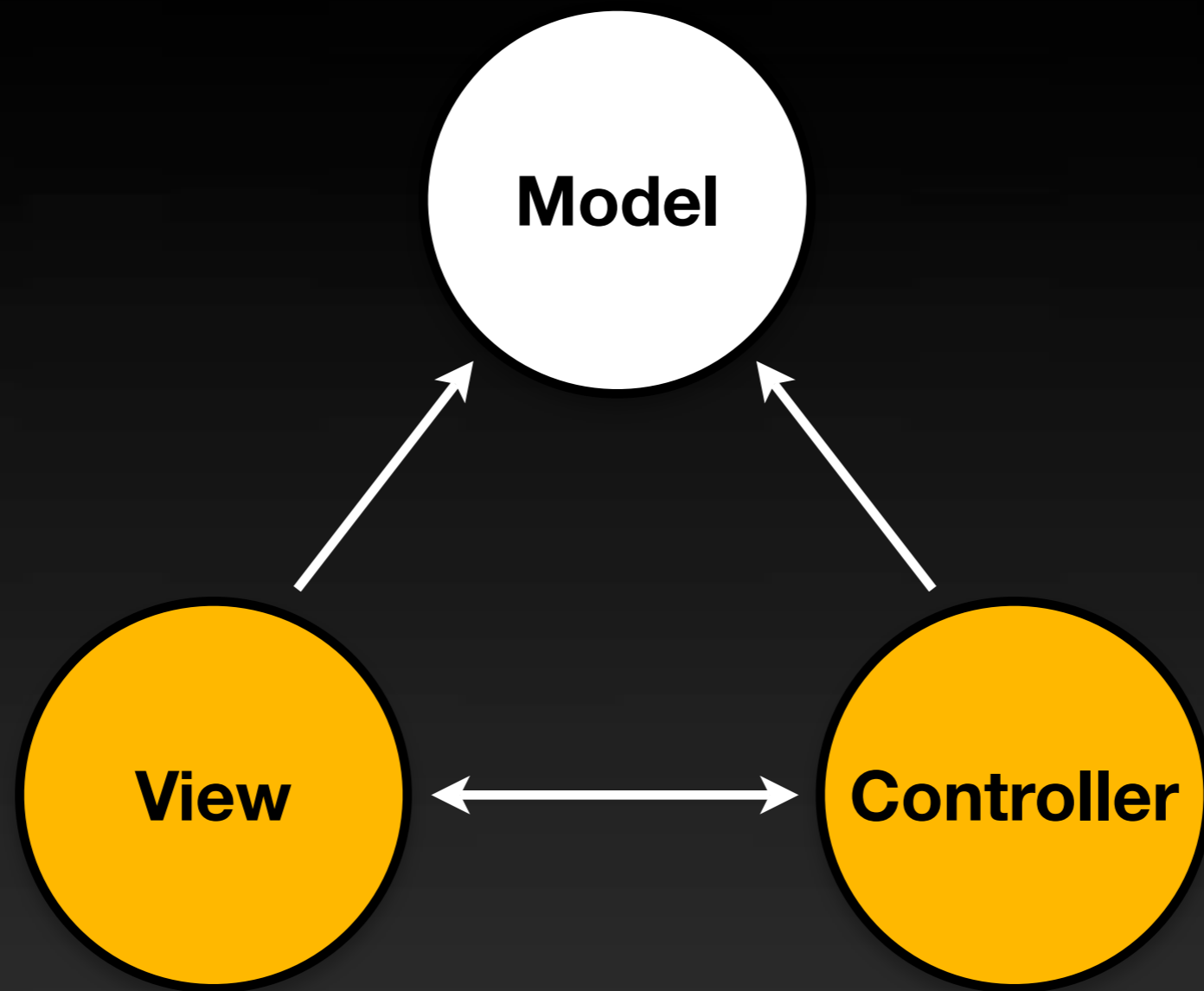


Smalltalk	83%
Meeting	10%
Support/other	4%
Hosting/Server	2%
Management	2%

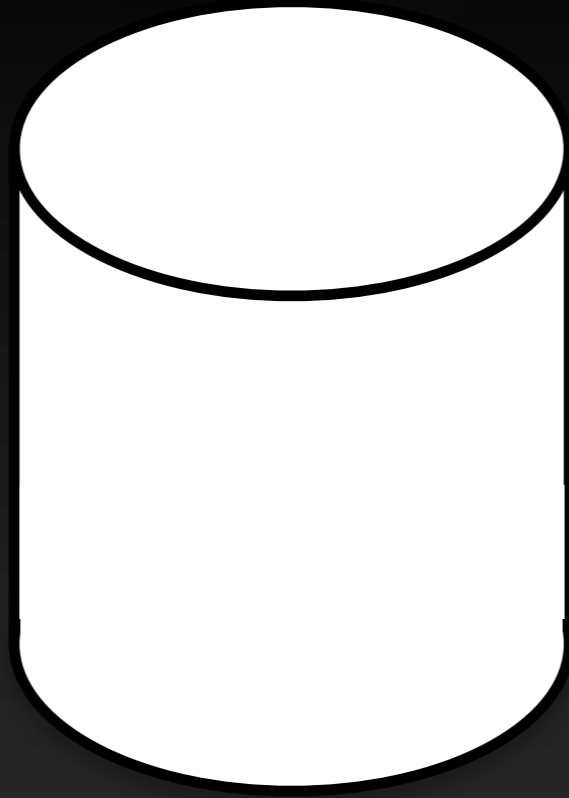
Components
are cool



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 image. It has a thick, blocky appearance with a slight shadow effect.

Web 2.0





AJAX

Tight, but **optional**
integration

Feature complete
and up-to-date

Say it in Smalltalk



Comet

Demo

scriptaculous.seasidehosting.st

Applications

In productive use
since 2002



CONCURSO CLASSIC ALBUMS

SELECCIONE PAIS

Argentina

Imprimir



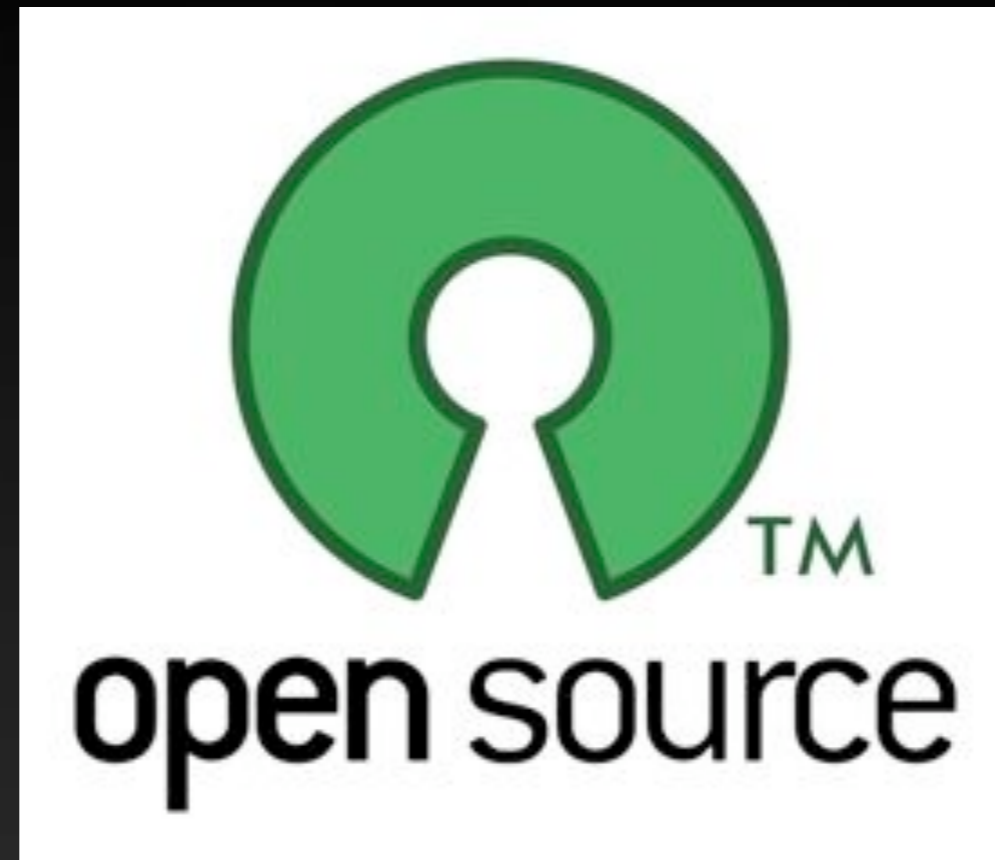
En el siguiente enlace podrás encontrar los datos de los ganadores de cada semana.

[VER LOS GANADORES](#)





Seaside



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