



for

seaside 

The word 'seaside' is written in a blue, rounded, sans-serif font with a white drop shadow. To its right is a five-pointed orange star with a white outline and a slight drop shadow.

Lukas Renggli
ESUG 2009, Brest



- ▶ John Resig, jquery.com
- ▶ Lightweight, fast and concise
 - Document traversing
 - Event Handling
 - AJAX Interaction
 - Animating



USER INTERFACE

- ▶ High-level, themeable widgets on top of JQuery.
 - Draggable
 - Droppable
 - Sortable
 - Selectable
 - Resizable
 - Accordion
 - Datepicker
 - Dialog
 - Progressbar
 - Slider
 - Tabs

~ 1000000s
of Plugins

For  *jQuery* **Experts**

Forget about

`$(document).ready(...)`

Don't care about

“unobtrusive”

For *seaside*  **Experts**

Say it in
Smalltalk

Feature
Complete

Up-to-date



**Everything
you need to know**

Query + Action

**Find DOM
elements**



Query + Action

**Find DOM
elements**

Query + Action

**Perform
an action**

Create a Query

html jQuery: '.special'

Create a Query

html jQuery: '.special'

**Query Language
is CSS**



Create a Query

html jQuery: '.special'

**Smalltak proxy object
jQueryInstance**



**Query Language
is CSS**



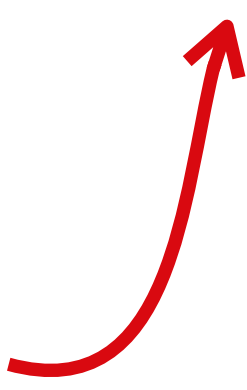
Perform an Action

`(html jQuery: 'div.special') remove`

Perform an Action

(html jQuery: 'div.special') **remove**

**... and 180 other
(well documented)
actions**



Attaching to Element

html anchor

onClick: (html jQuery: 'div')

remove;

with: 'Remove'

Attaching to Element

html anchor

onClick: (`html jQuery this`)

`remove`;

with: 'Remove'

**Shortcut, see
jQueryClass**



At Load-Time

```
html document addLoadScript:  
  (html jQuery: 'div') remove
```

Query Examples

`$ (“div.hint”)`

html jQuery expression: `‘div.hint’`

html jQuery: `‘div.hint’`

`$ (“#foo”)`

html jQuery id: ‘foo’

html jQuery: #foo

\$ (“*”)

html jQuery expression: ‘*’

html jQuery all

`$ (this)`

`html jQuery this`

`html jQuery new`

Refine Queries

Siblings

aQuery **siblings**

aQuery **siblings: 'div'**

Next Siblings

aQuery *next*

aQuery *next*: 'div'

aQuery *nextAll*

aQuery *nextAll*: 'div'

Previous Siblings

aQuery previous

aQuery previous: 'div'

aQuery prevAll

aQuery prevAll: 'div'

Children

aQuery children
aQuery children: 'div'

aQuery contents
aQuery find: 'div'

Parent

aQuery parent
aQuery parent: 'div'

aQuery parents
aQuery parents: 'div'

aQuery closest
aQuery closest: 'div'

Perform Actions

Classes

```
aQuery addClass: 'foo'  
aQuery removeClass: 'foo'  
aQuery toggleClass: 'foo'  
aQuery hasClass: 'foo'
```

Attributes

aQuery **attributes**: aDictionary
aQuery **attributeAt**: 'href'
aQuery **attributeAt**: 'href' **put**: '#'
aQuery **removeAttribute**: 'href'

Styles

```
aQuery css: aDictionary  
  aQuery cssAt: 'color'  
aQuery cssAt: 'color' put: '#ff0'
```

Contents

aQuery **html**: [:r | r div]
aQuery **value**: 'some value'
aQuery **text**: 'some text'

Insert Contents

aQuery **before:** [:r | r div]
aQuery **prepend:** [:r | r div]
aQuery **append:** [:r | r div]
aQuery **after:** [:r | r div]

Replace Contents

aQuery **replaceWith**: [:r | r div]
 aQuery **wrap**: [:r | r div]
 aQuery **wrapAll**: [:r | r div]
 aQuery **wrapInner**: [:r | r div]

Animations

aQuery **show**

aQuery **show**: 1 second

aQuery **hide**

aQuery **hide**: 1 second

Events

aQuery **onClick**: 'alert("Hello")'

aQuery **on**: 'click' **do**: 'alert("Hello")'

aQuery **on**: 'click' **once**: 'alert("Hello")'

aQuery **trigger**: 'click'

AJAX

AJAX

```
aQuery load html: [ :r | r div: Time now ]
```

No Query

html jQuery ajax

Generators

```
anAjax html: [ :r | r div ]  
anAjax script: [ :s | s alert: 'Hello' ]
```

Triggering Callbacks

anAjax **serialize**: aQuery

anAjax **trigger**: [:p | ...] **passengers**: aQuery

anAjax **callback**: [:v | ...] **value**: anObject

More Information

JQuery Docs

docs.jquery.com

Functional Tests

`/seaside/tests/jquery`
`/seaside/tests/jquery-ui`

File Libraries

JQDevelopmentLibrary

JQuery – Full

JQDeploymentLibrary

JQuery – Compressed

JQGoogleLibrary

JQuery – Google

JQUiDevelopmentLibrary

JQuery UI – Full

JQUiDeploymentLibrary

JQuery UI – Compressed

JQUiGoogleLibrary

JQuery UI – Google

How To

Click and Show

html anchor

```
onClick: (html jQuery: 'div.help') toggle;  
with: 'About jQuery'.
```

html div

```
class: 'help';  
style: 'display: none';  
with: 'jQuery is a fast and ...'
```

Replace a Component

```
html div
```

```
  id: (id := html nextId);  
  with: child.
```

```
html anchor
```

```
  onClick: ((html jQuery id: id) load  
    html: [ :r |  
      child := OtherComponent new;  
      r render: child ]);  
  with: 'Change Component'
```

Update Multiple Elements

```
html div id: #date.
```

```
html div id: #time.
```

```
html anchor
```

```
  onClick: (html jQuery ajax script: [ :s |  
    s << (s jQuery: #date)  
      html: [ :r | r render: Date today ].  
    s << (s jQuery: #time)  
      html: [ :r | r render: Time now ] ]);
```

```
with: 'Update'
```


Display a Lightbox

```
| id |  
html div  
  id: (id := html nextId);  
  script: (html jQuery new dialog  
    title: 'Lightbox Dialog';  
    overlay: (Dictionary new  
      at: 'background-color' put: '#000';  
      at: 'opacity' put: 0.75;  
      yourself);  
    modal: true);  
  with: [ self renderDialogOn: html ]  
html anchor  
  onClick: (html jQuery id: id) dialog open;  
  with: 'Open Lightbox'
```