ODTUG Kscope19

SEATTLE, WASHINGTON • JUNE 23-27

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SEATTLE

Washington State Convention Center

Learn One, Get One for Free! CSS and jQuery for Beginners

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2016

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ORACLE
ACE Associate

Agenda

- CSS Basics
- jQuery Basics
- Using Them in APEX
- What’s Next?

https://github.com/maxime-tremblay/CSS-and-jQuery-for-Beginners

Agenda

- > CSS basics
- jQuery Basics
- Using Them in APEX
- What's Next?

What is CSS?

CSS ZEN GARDEN
The Beauty of CSS Design

CSS ZEN GARDEN

The Beauty of CSS Design

VIEW ALL DESIGNS

A demonstration of what can be accomplished through CSS-based design. Select any style sheet from the list to load it into this page.

Download the example HTML FILE and CSS FILE

THE ROAD TO ENLIGHTENMENT

Littering a dark and dreary road lay the past relics of browser-specific tags, incompatible DOMs, broken CSS support, and abandoned browsers.

We must clear the mind of the past. Web enlightenment has been achieved thanks to the tireless efforts of folk like the W3C, WASP, and the major browser creators.

The CSS Zen Garden invites you to relax and meditate on the important lessons of the masters. Begin to see with clarity. Learn to use the time-honored techniques in new and invigorating fashion. Become one with the web.

SO WHAT IS THIS ABOUT?

There is a continuing need to show the power of CSS. The Zen Garden aims to excite, inspire, and encourage participation. To begin, view some of the existing designs in the list. Clicking on any one will load the style sheet into this very page. The HTML remains the same, the only thing that has changed is the external CSS file. Yes, really.

CSS allows complete and total control over the style of a hypertext document. The only way this can be

MID CENTURY MODERN
by Andrew Lohman

GARMENTS
by Dan Mall

STEEL
by Steffen Knoeller

APOTHECARY
by Trent Walton

SCREEN FILLER
by Elliot Jay Stocks

FOUNTAIN KISS
by Jeremy Carlson

A ROBOT NAMED JIMMY
by meltmedia

CSS Zen Garden

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The Road to Enlightenment

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CZG

MADE LOCALLY

CSS ZEN GARMENTS

IMPECCABLE QUALITY

WASHES & STYLES

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FOUNTAIN KISS
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A ROBOT NAMED JIMMY
by meltmedia

VERDE MODERNA
by Dave Shea

A DEMONSTRATION OF WHAT CAN BE ACCOMPLISHED THROUGH CSS-BASED DESIGN. SELECT ANY STYLE SHEET FROM THE LIST TO LOAD IT INTO THIS PAGE.

Littering a dark and dreary road lay the past relics of browser-specific tags, incompatible DOMs, broken CSS support, and abandoned browsers.

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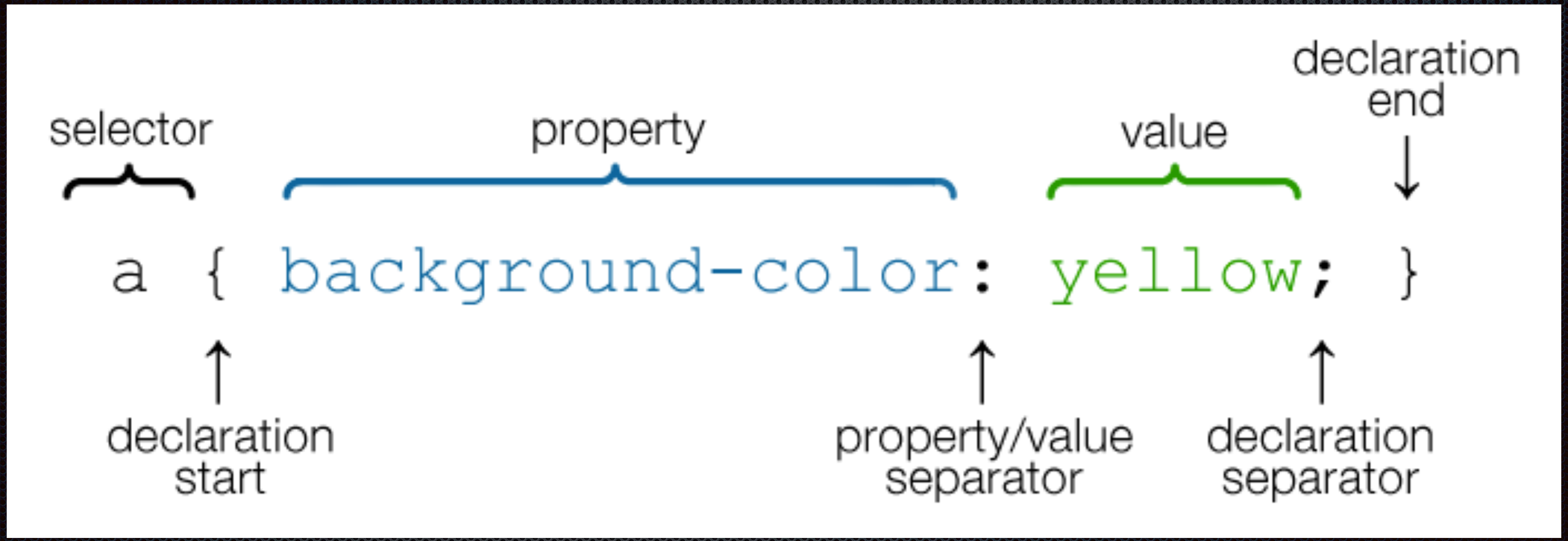
A FASHION-FORWARD FUTURE

CSS Syntax


selector
property
value
declaration end
a { background-color: yellow; }
declaration start
property/value separator
declaration separator

CSS Selectors

- Element
- ID
- Class

CSS Selectors

- Element
- ID
- Class

Element name

```
<p>
  Hello World!
</p>

p {
  color: yellow;
}
```

CSS Selectors

- Element
- ID
- Class

Hash (#) character
Followed by the id of the element

```
<p id="elementID">
  Hello World!
</p>

#elementID {
  color: yellow;
}
```

CSS Selectors

- Element
- ID
- Class

Period (.) character
Followed by the name of the class.

```
<p class="className">
  Hello World!
</p>

.className {
  color: yellow;
}
```

https://codepen.io/mtremblaydev/pen/oRgMYq

CSS Selectors

```
p {
  color: yellow;
}

.className {
  color: yellow;
}
```

```
p,
.className {
  color: yellow;
}
```

CSS Selectors

```
p {
  color: yellow;
}

.className {
  color: yellow;
  border: 1px solid red;
}
```

```
p,
.className {
  color: yellow;
}

.className {
  border: 1px solid red;
}
```

CSS Selectors

```
<p class="conference kscope18">
  ODTUG Kscope18 - Florida
</p>

<p class="conference kscope19">
  ODTUG Kscope19 - Seattle
</p>
```

```
.conference.kscope19 {
  color: yellow;
}
```

CSS Selectors

```
li a {
  text-decoration: none;
}
```

CSS Selectors

```
li a {
  text-decoration: none;
}

li > a {
  text-decoration: none;
}
```

https://codepen.io/mtremblaydev/pen/mZPMNO

CSS Selectors

```
.t-Button + .t-Button {
    margin-left: .4rem;
}
```

CSS Selectors

Selector	Description	Example
[attribute]	Attribute exits	[target]
[attribute=value]	Attribute is equal to	[target=_blank]
[attribute^=value]	Attribute starts with	a[href^="http"]
[attribute$=value]	Attribute ends with	a[href$=".pdf"]
[attribute*=value]	Attribute contains	a[href*=“kscope"]

CSS Pseudo-classes

- :active
- :checked
- :default
- :dir
- :disabled
- :empty
- :enabled
- :first
- :first-child
- :first-of-type
- :fullscreen
- :focus
- :focus-within
- :hover
- :indeterminate
- :in-range
- :invalid
- :lang
- :last-child
- :last-of-type
- :left
- :link
- :matches()
- :not
- :nth-child
- :nth-last-child
- :nth-last-of-type
- :nth-of-type
- :only-child
- :only-of-type
- :optional
- :out-of-range
- :read-only
- :read-write
- :required
- :right
- :root
- :scope
- :target
- :valid
- :visited

CSS Pseudo-classes

Learn about them at Mozilla Developer Network.

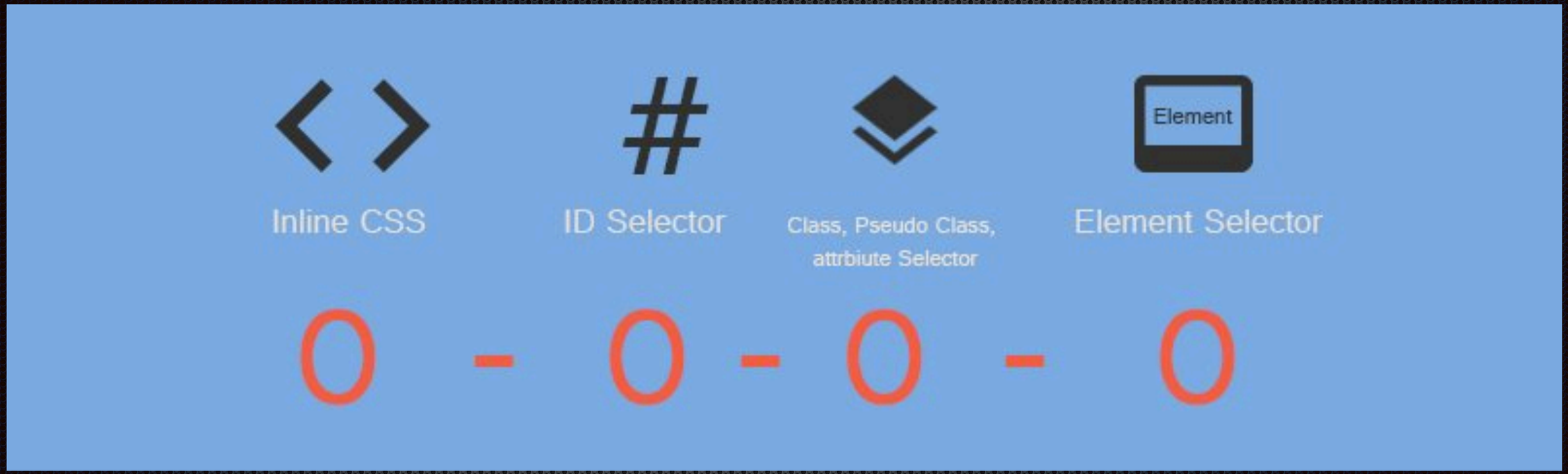
CSS Pseudo-classes

- :active
- :focus
- :hover
- :checked
- :disabled
- :required
- :read-only
- :first
- :first-child
- :first-of-type
- :nth-child()
- :not()

CSS Specificity

CSS Specificity

Specificity is the means by which browsers decide which CSS property values are the most relevant to an element and, therefore, will be applied


Element
Inline CSS
ID Selector
Class, Pseudo Class, attrbiute Selector
Element Selector
0 - 0 - 0 - 0

CSS Specificity

```
p {
  color: black;
}
div.warning p {
  color: red;
}
div#caution p {
  color: yellow;
}
body#home .container p {
  color: white;
}
```

Selector	Specificity
p	0,0,0,1
div.warning p	0,0,1,2
div#caution p	0,1,0,2
body#home .container p	0,1,1,2

https://codepen.io/mtremblaydev/pen/XLayWp

One last **!important** thing

There are many more CSS selectors!

Learn about them at CodeTuts, CSS-tricks.com, w3schools.com or at Mozilla Developer Network.

Agenda

- > CSS basics
- jQuery Basics
- Using Them in APEX
- What's Next?

Agenda

- ✓ CSS basics
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- ◻ Using Them in APEX
- ◻ What's Next?

What is jQuery?

Select and Do!

jQuery Syntax

```
$ (selector).action()
```

jQuery Selectors
are CSS Selectors!

jQuery Syntax

```
$('p').hide()

$('#test').hide()

$('.test').hide()
```

jQuery Extensions

div:first, div:last

:hidden, :visible

:input, :text, :password, :radio, …

div:contains('ul')

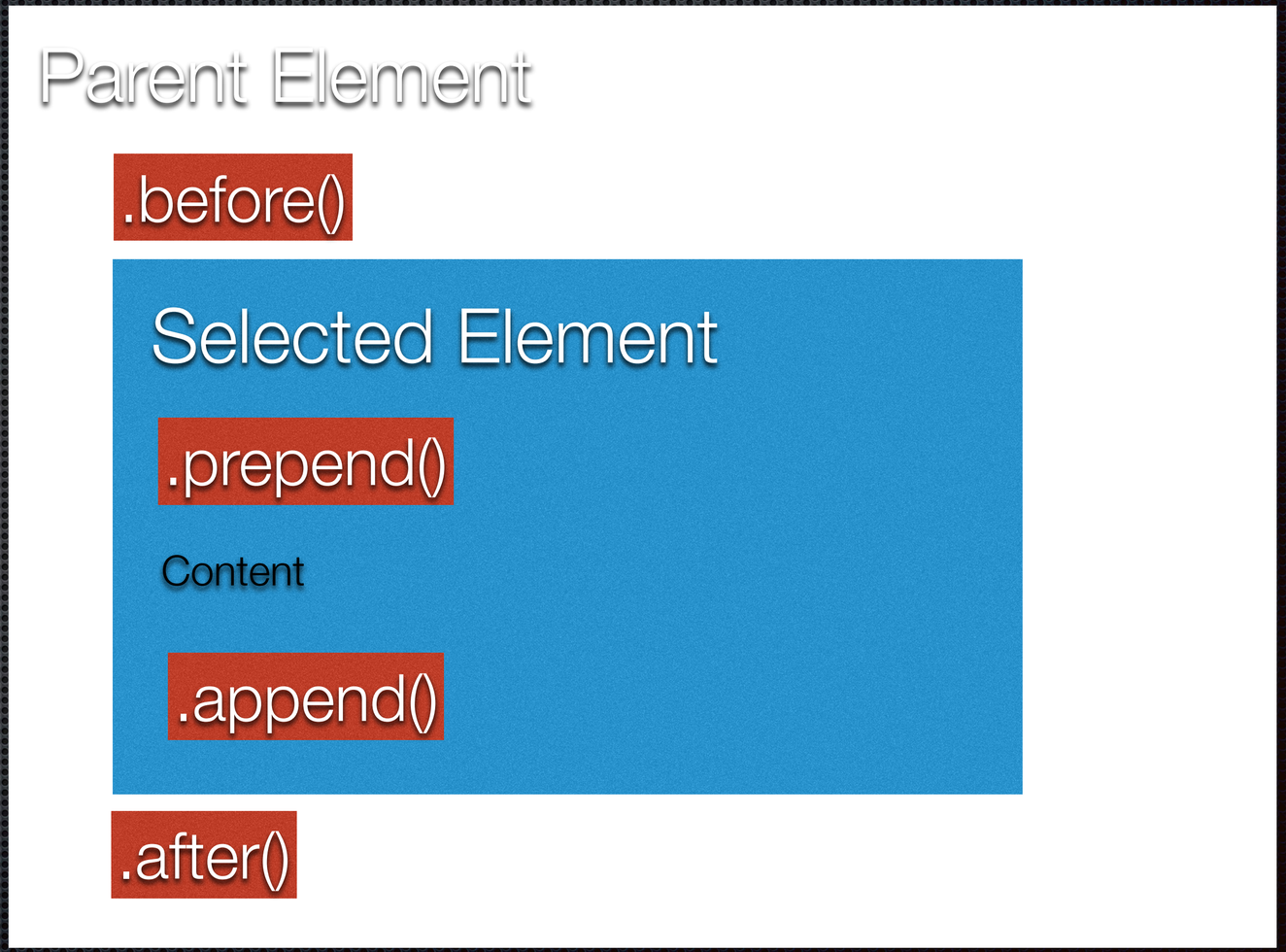
http://api.jquery.com/category/selectors/jquery-selector-extensions/

jQuery HTML

- .text()
- .html()
- .val()

jQuery HTML

- .append()
- .prepend()
- .after()
- .before()



jQuery HTML

- .remove()
- .empty()

jQuery HTML

- .addClass()
- .removeClass()
- .toggleClass()
- .css()

jQuery HTML

- .addClass()
- .removeClass()
- .toggleClass()
- .css()

```
$('p').css('background-color');
```

jQuery HTML

- .addClass()
- .removeClass()
- .toggleClass()
- .css()

```
$('p').css('background-color', 'yellow');
```

jQuery HTML

- .addClass()
- .removeClass()
- .toggleClass()
- .css()

```
$('p').css({
            'background-color': 'yellow',
            'font-size': '200%'
           });
```

jQuery Effects

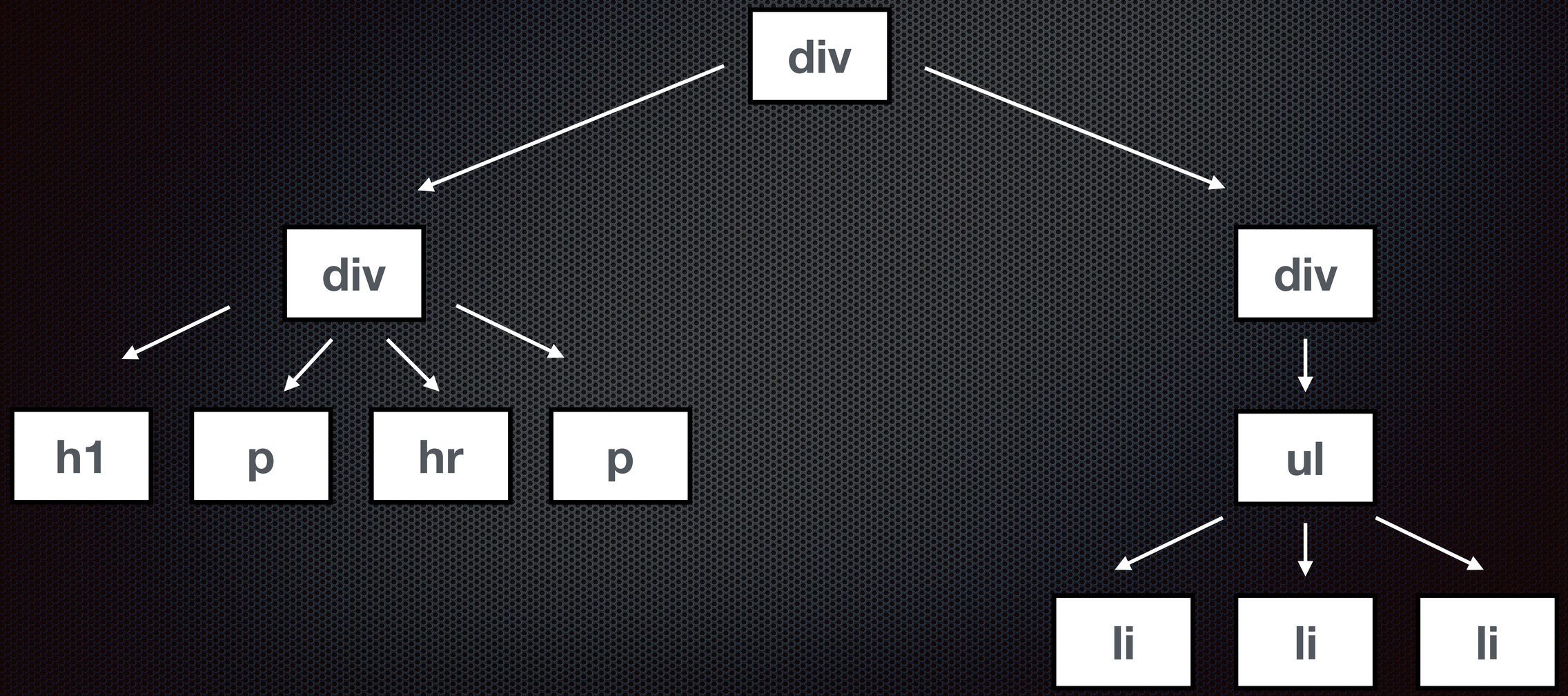
- .show()
- .hide()

jQuery Chaining

```
$('#button1').css('color', 'red').slideUp(2000);
```

```
$(‘#button1')
    .css('color', 'red')
    .slideUp(2000);
```

jQuery Traversing



jQuery Traversing

- .parent()
- .parents()
- .parentsUntil()
- .closest()

jQuery Traversing

- .children()
- .find()

jQuery Traversing

- .siblings()
- .next()
- .nextAll()
- .nextUntil()

jQuery Traversing

- .prev()
- .prevAll()
- .prevUntil()

jQuery Traversing

- .first()
- .last()
- .eq()

jQuery Traversing

- .filter()
- .not()

jQuery Events

Mouse Events	Keyboard Events	Form Events	Document/Window Events
click	keypress	submit	load
dblclick	keydown	change	resize
mouseenter	keyup	focus	scroll
mouseleave		blur	unload

jQuery Events

```
$(selector).on('event', function(){

    // jQuery methods go here...

});
```

jQuery Events

```
$(document).ready(function(){

    // jQuery methods go here...

});
```

jQuery Events

```
$(function(){

    // jQuery methods go here...

});
```

Agenda

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Agenda

- ✓ CSS basics
- ✓ jQuery Basics
- > Using Them in APEX
- ☐ What's Next?

Using Them in APEX

- Including CSS in APEX

Using Them in APEX

- Including JS and jQuery in APEX

Demo

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- ✓ CSS basics
- ✓ jQuery Basics
- > Using Them in APEX
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Agenda

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What’s Next?

Agenda

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ANY
QUESTIONS
?

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