

#### HII ARE MES

#### HEHUDAKATZ ANDH DELCAMERE



### HOW IS THIS GOING TO WORK?

## IMFOULLINE TO

#### EUFIT DELIFI AUASCEIFT

git clone git://github.com/adelcambre/jquery-tutorial.git

## IMFOULLINE TO

```
h1 {
    color: #999;
}
```

#### LISUITH JOLERY

```
$("h1").click(function() {
   $(this).fadeIn();
});
```

### GET SOME ELEMENTS. BUT HOW?

- div
- div#foo
- div.class
- div, p, a
- div p
- div > p
- div + p
- div ~ p

- div:first
- div:last
- div:not(#foo)
- div:even
- div:odd
- div:eq(1)
- div:gt(1)
- div:lt(1)

- div:header
- div:animated
- div:contains(txt)
- div:empty
- div:has(p)
- div:parent
- div:hidden
- div:visible



- div[foo]
- div[foo=bar]
- div[foo!=bar]
- div[foo^=bar]
- div[foo\$=bar]
- div[foo\*=bar]
- :nth-child(2)
- :nth-child(even)
- :first-child

- :last-child
- :only-child
- :input
- :text
- :password
- :radio
- : checkbox
- :submit
- :image

- :reset
- :button
- :file
- :hidden
- :enabled
- :disabled
- : checked
- :selected

#### CET SOME ELEMENTS.

```
$("table tr:nth-
child(even) > td:visible")
```

### \$ ("div")

RETURNS JQUERY OBJECT

#### \$("div").fadeIn()

RETURNS JQUERY OBJECT

```
$("div").fadeIn()
.css("color", "green")
```

RETURNS JQUERY OBJECT

#### HE CALL THIS CHAINING

#### LAE: SELECTORS

- Select every other row of the table
- Select the Checked checkboxes
- Select the first column of the table
- Select the top level of the outline
- Select any links to jquery.com
- Select any images that contain flowers

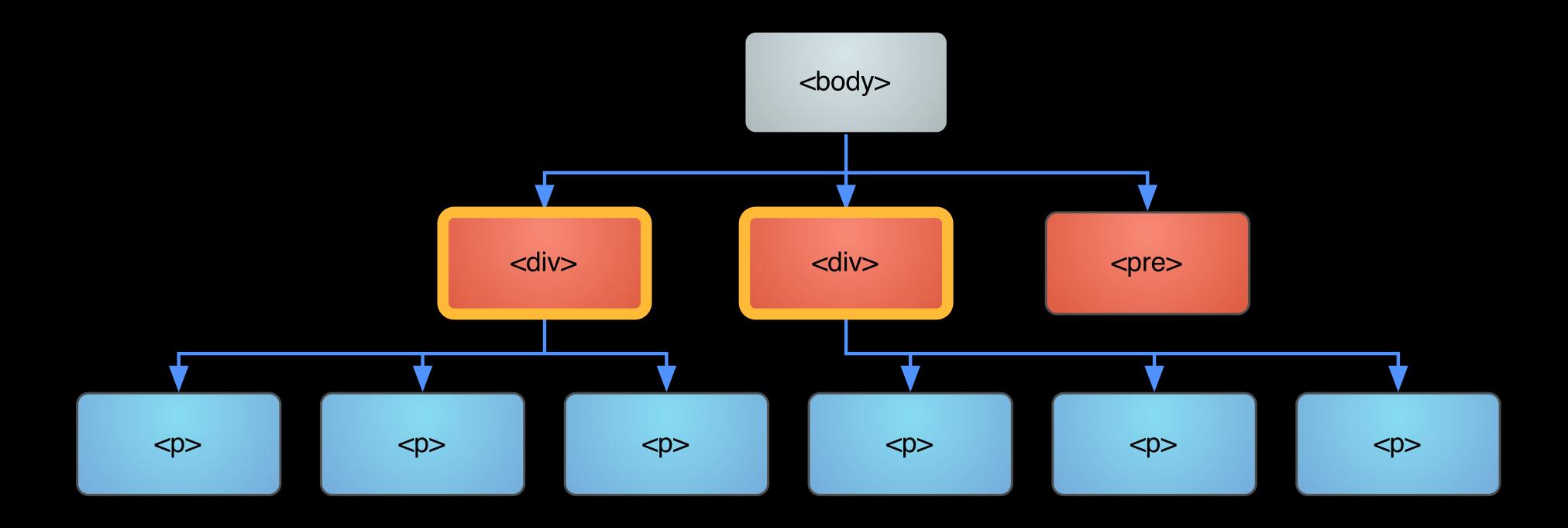
# 5 PARTS OF JOUERY DOM EVENTS

EFFECTS
AJAK
FLUGINS

```
$("div").parent();
$("div").siblings();
$("div").next();
$("div").nextAll("p");
$("div").nextAll("p:first");
```

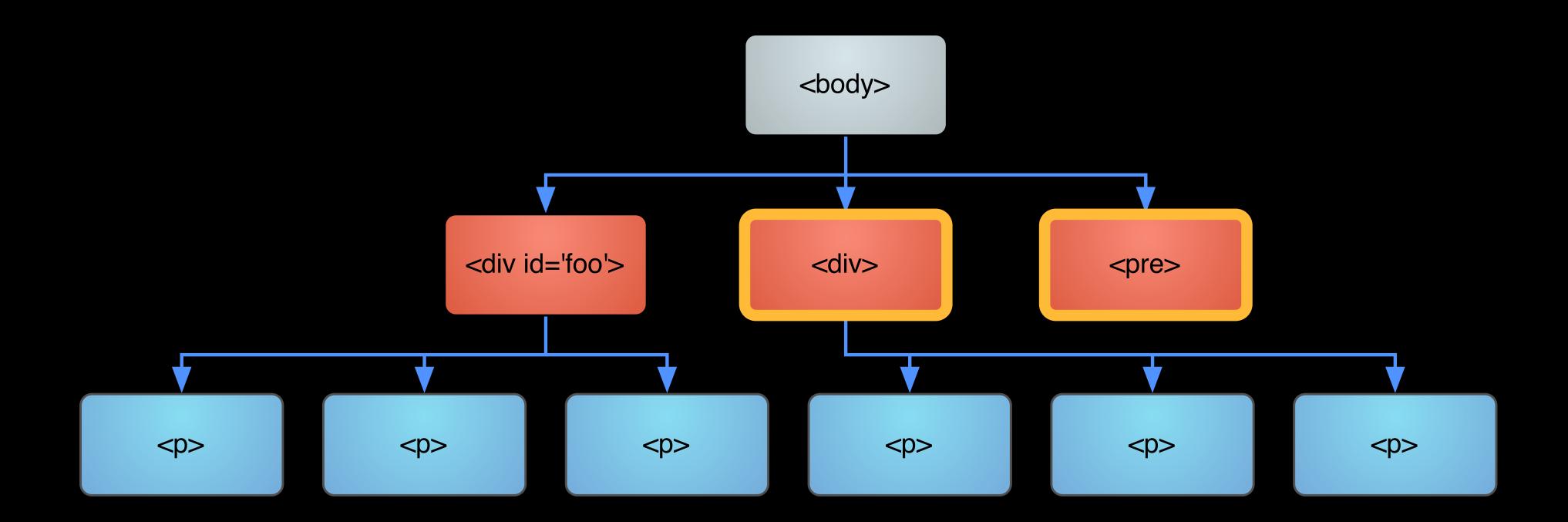




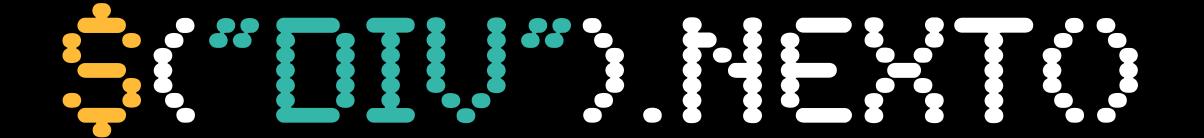


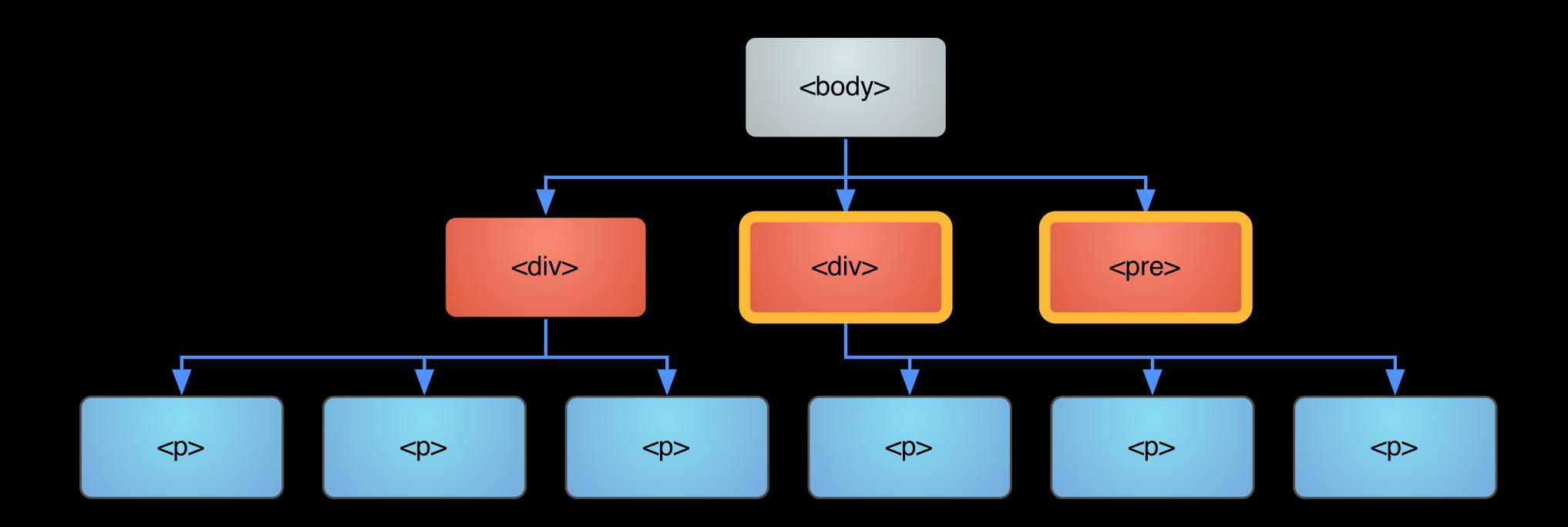


#### SCENERAL TRANSPORTED TO SELECTION OF THE SECTION OF



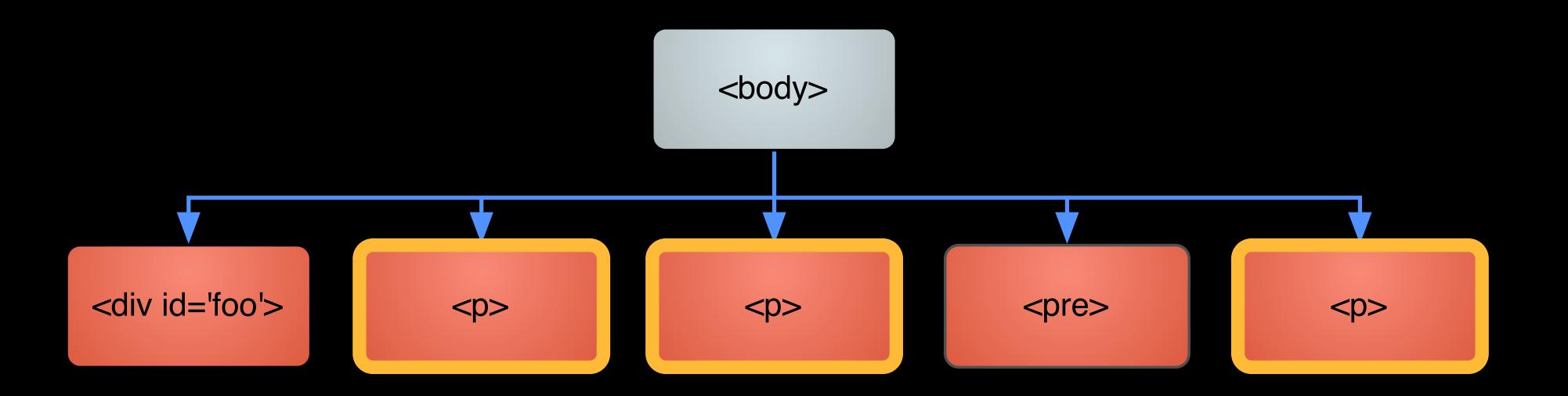






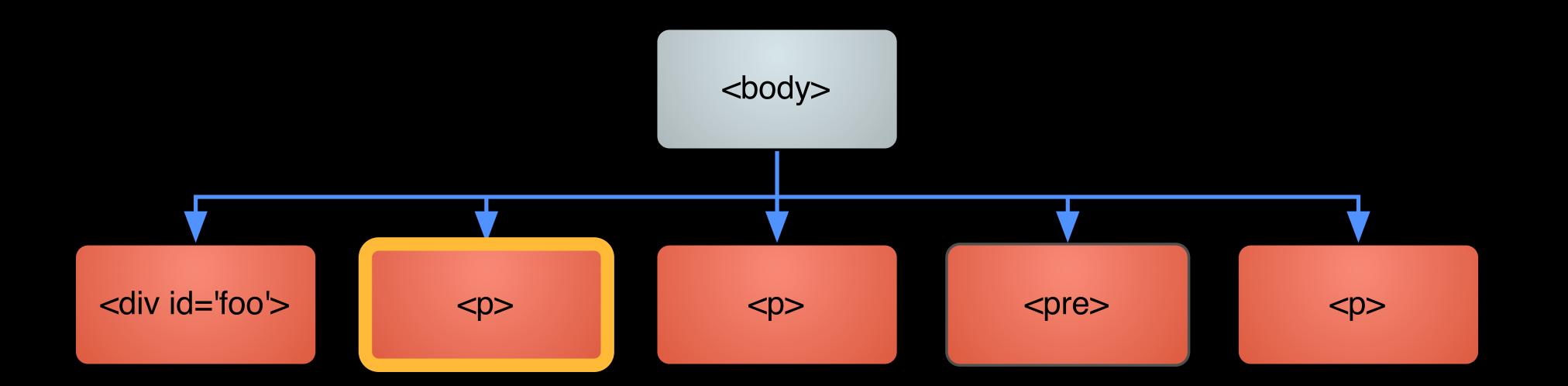


#### S("DIU") HEXTALL("F")





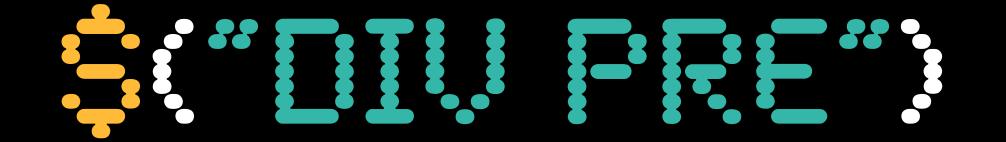
#### \$("DIU") HEXTALL("F:FIRST")

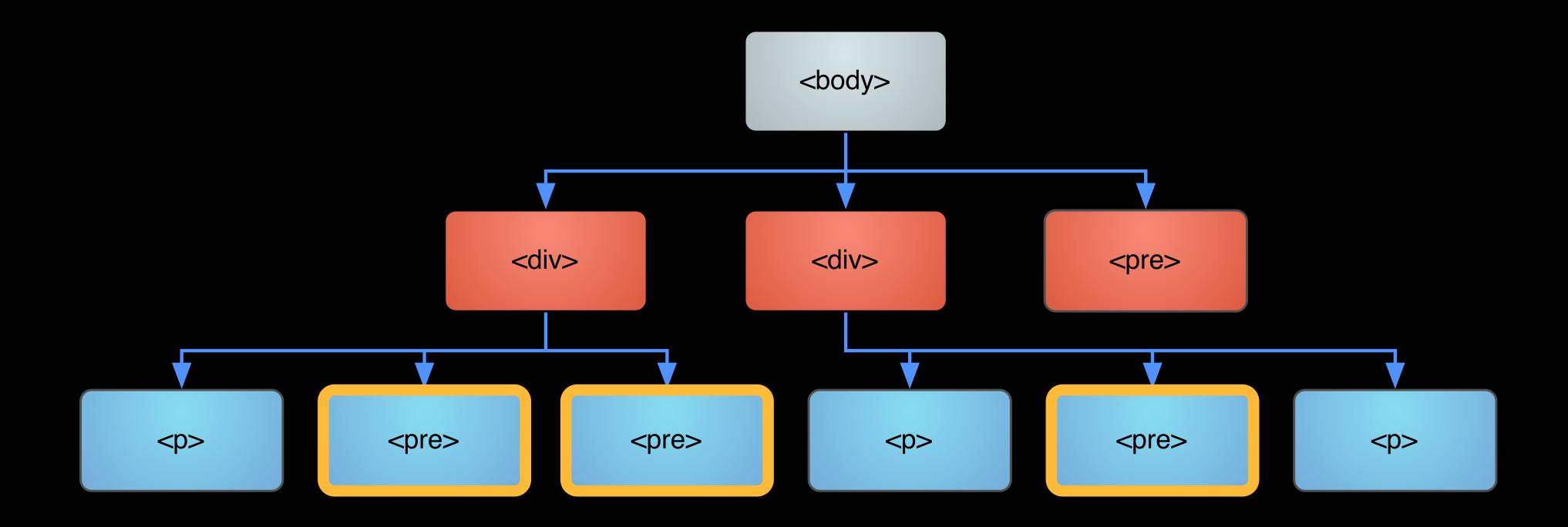




```
$("div pre")
$("div").find("pre")
```

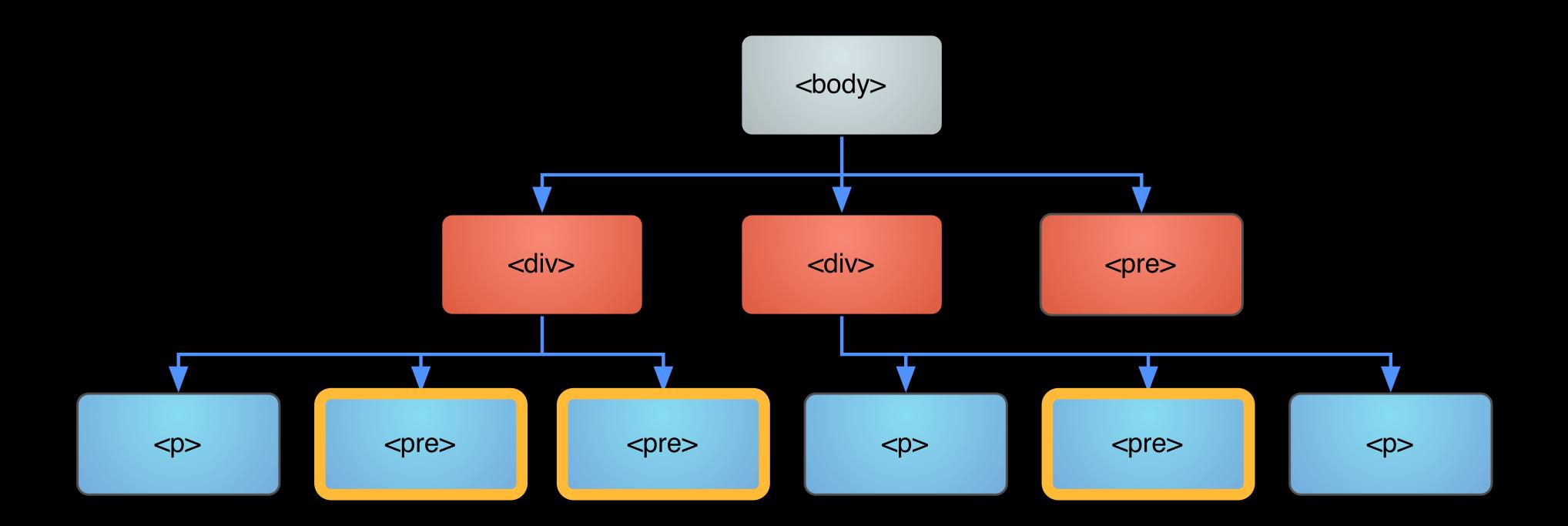








#### S("DIU") FIHD("FRE")





```
$("div:contains(some text)")
$("div").filter(":contains(some text)")
$("div").filter(function() {
  return $(this).text().match("some text")
})
```

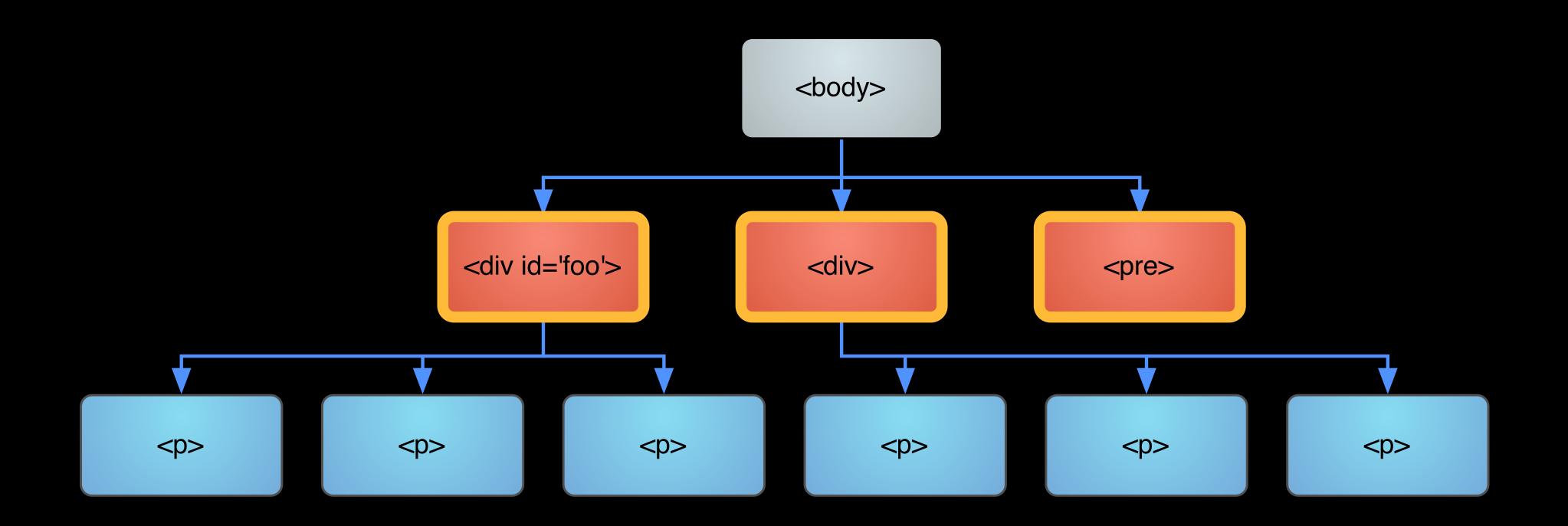


#### AHIBELF()

```
$("div").siblings().andSelf()
$("div").parent().andSelf()
```

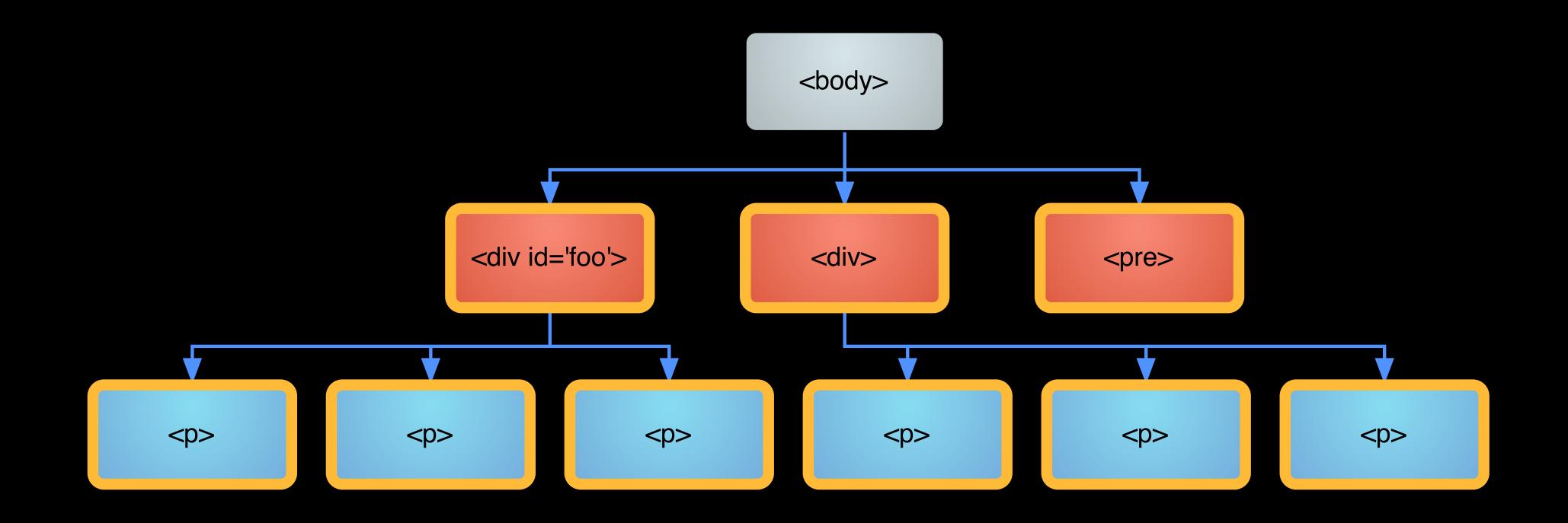


#### S("DIU") SIBLINGS() ANDSELF()





# \$("F") FARENT() ANDSELF()





### LABE: TRAUERSAL

- Select any text areas and their labels
- Any span's parent
- All of the form elements from a form that PUT's

#### ATFIELLIE

```
$("div").attr("id") // returns id
$("div").attr("id", "hello") // sets id to hello
$("div").attr("id", function() { return this.name })
$("div").attr({id: "foo", name: "bar"})
$("div").removeAttr("id");
```



```
$("div").addClass("foo")
$("div").removeClass("foo")
$("div").toggleClass("foo")
$("div").hasClass("foo")
```



```
$("div").html()
$("div").html("Hello")
$("div").text()
$("div").text("Hello")
$("div").val()
$("div").val("Hello")
```



# HOTICING A PATTERN?

#### HATIFUL ATION

```
$("div").append("Hello")
$("Hello").appendTo("div")
$("div").after("Hello")
$("Hello").insertAfter("div")
```



HTTP://DOCS.JQUERY.COM

HTTP://API.JQUERY.COM



### LAES: MANIFILATION

Note: Use the Lab 2 File again

- Add CSS4 to the list after CSS3
- Remove any images with Dogs
- Turn the ruby row red
- Add some default text to the input field

# SPARTS OF JOUERY

EWENTS

EFFECTS

FLUGIES

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

Alias: jQuery(function(\$) { ... })

```
$("div").bind("click", function() { ... })
Alias: $("div").click(function() { ... })
```

# REFERS TO THE ELEMENT BOUND

```
$("div").click(function(e) { ... })
```

### CORRECTED EUEHT DEJECT

Property	Correction
target	The element that triggered the event (event delegation)
relatedTarget	The element that the mouse is moving in (or out) of
pageX/Y	The mouse cursor relative to the document
which	mouse: I (left) 2 (middle) 3 (right)
	keypress: The ASCII value of the text input
metaKey	Control on Windows and Apple on OSX

\$("div").trigger("click")
Alias: \$("div").click()

# TRICCERHANDLER DOESN'T TRIGGER THE BROWSER'S DEFAULT ACTIONS

### CUSTOM EUENS

```
$("div").bind("myEvent", function() { ... })
$("div").trigger("myEvent")
```

\$("div").hover(function() { ... }, function() { ... })

```
$("div").toggle(function() { ... }, function() { ... })
```





\$("div").live("click", function() { ... })

# SPARTS OF JOUERS

EUENTS

EFFECTS

A.JAK

FLUGIES

# \$("div").fadeIn() \$("div").fadeOut("slow")

# \$("div").slideUp(200) \$("div").slideDown("slow")

#### AHIMATE

```
$("div").animate({height: "toggle", opacity: "toggle"})
$("div").animate({fontSize: "24px", opacity: 0.5}, {easing: "expo"})
```

### LAB 4: EUENTS AND EFFECTS

Note: Use the Lab 2 File again

- Fade out all of the divs
- Make each img grow when you mouseover them (and shrink again after you leave)
- Make clicking an li collapse the sub list

# SPARTS OF JOUERY

EWENTS

EFFECTS

FLUGIES

### MAKE EASH THINGS EASH

```
$("div").load("some_url");
$("div").load("some_url", {data: "foo"},
function(text) { ... });
```

#### IT'S EASH TO DO IT RICHT

```
$.getJSON("some_url", function(json) { ... })
$.getJSON("some_url", {data: "foo"},
  function(json) { ... })
```

### ITS CONSTENS

```
$.get("some_url", function(text) { ... })
$.post("some_url", {data: "foo"},
  function(text) { ... })
```

#### AND FOMERFUL

#### \$.AJAX OFTIONS

- ASHMC
- BEFORESEND
- CACHE
- COMPLETE
- COMTEMITHE
- DATA
- DATATHE
- OERROR

- GLOBAL
- IFMODIFIED
- <u>150</u>4F
- FROCESSDATA
- SLICCESS
- TIMEGUIT
- THFE

# AHD FOWERFUL GLOBAL AJAX SETTINGS

```
/* No Ajax requests exist, and one starts */
$("div.progress").ajaxStart(function() { $(this).show() });
/* The last Ajax request stops */
$("div.progress").ajaxStop(function() { $(this).hide() });
/* Any Ajax request is sent */
$("p").ajaxSend(function() { ... });
/* Any Ajax request completes (success or failure) */
$("div").ajaxComplete(function() { ... });
/* Any Ajax request errors out */
$("div").ajaxError(function() { ... });
/* Any Ajax request succeeds */
$("div").ajaxSucccess(function() { ... });
```

# SPARTS OF JOUERS

EUEHTS

EFFECTS

A.JAK

FLUGIES

# THERE ARE HUMDREDS

## WHICH ARE IMPORTANT?



- Draggables
- Droppables
- Sortables
- Selectables
- Resizables
  - Primitives

- Accordion
- Date Picker
- Dialog
- Slider
- Tabs



Widgets

#### 

AJAXIFY A FORM IN ONE EASY STEP:

\$("FORM.REMOTE").AJAXFORM()

# FORM JALIDATION RULES IN YOUR MARKUP



## METADATA FLUGIII

SPECIFY METADATA FOR ELEMENTS IN MARKUP

<PIV DATA="{SOME: 'DATA'}">
\$("DIU").METADATA().SOME // RETURNS 'DATA'

HTTP://JQUERHJS.GOOGLECODE.COM/SUN/TRUNK/PLUGINS/METADATA/

#### EUFIT DELIFI AUASCEIFT

## http://github.com/ wycats/blue-ridge

### JOUEFS ON FAILS

## JOUERY AND RUS

## 

#### AJAK AHD RAILS

\$.getJSON("/rails/action")

#### AJAX AND RAILS

```
respond_to do |format|
  format.json {
    render :json => obj
}
end
```

#### LINE TO REMOTE

## LINK TO REMOTE

## LINK\_TO REMOTE

```
$('a.remote').live("click", function() {
    $(this.rel).load(this.href)
});
```

## FORM REMOTE TAG

```
<% form_remote_tag :url => ...,
:update => "res" do -%>
<% form_tag :url => ...,
:rel => "#res" do -%>
```

## FORM REMOTE TAG

```
$('form').each(function() {
   $(this).ajaxForm({ target: this.rel })
})
```

## BEERUE FIELD

```
var lastTime = new Date
 .live("keyup", function() {
 if(new Date - lastTime > 250) {
   var field = $('#suggest');
   var url = field.attr('rel');
   field.load(url,
     {q: field.val()});
  lastTime = new Date;
});
```

## FERIODICALLUCALL REMOTE

```
periodically_call_remote(
   :url => {
       :action => 'avgs' },
       :update => 'avg',
       :frequency => '20')
```

```
setInterval(function() {
   $('#avg')
    .load('/some/avgs');
}, 20000);
```