

jQuery Jumpstart

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About the presenter

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- ▶ Corporate “architect” by day
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TripLingo

Publications



Topics

- 1 jQuery Essentials
- 2 Features - Browser Compatibility
- 3 Lightning code examples
- 4 jQuery Mobile

jQuery Philosophy

1 Find something on the DOM

2 Manipulate it

3 Make it easy

4 Make it fast

Find something

The jQuery function

- `$()` is the default jQuery function
- jQuery is “functional” JavaScript
- Find by type, id, css
- Give jQuery a “selector”

```
$("someTag")  
    $("div")
```

```
$("#someId")  
    $("#home")
```

```
$(".someClass")  
    $(".row")
```

Find something

Complex selectors

- Of course, you'll need to find stuff that's buried in your HTML
- jQuery makes this easy too

```
$("#li:first")
```

```
$("#tr:odd")
```

```
$("#home")
```

Stacking Selectors

Multiple Selectors

- ▶ Sometimes you may need to get more specific

```
$("#termList, li:first")
```



you've FOUND it
now DO something

Do something

- Once you've found what you need, change it
- remove, add, change
 - html or css

```
$(“li:first”)  
  .addClass(“firstRowColor”)
```

Do something else

- Set the html

```
$("#mainList")  
.html("<li>First Row</li>")
```

Manipulate more stuff

- append, before, after
- css, attr, val, addClass

```
$("#mainList")  
  .appendTo("<li>2nd Row</li>")  
  
$("li").addClass("highlight")  
  
$("#tdef").val("Add this text  
to the id")
```



Working with Attributes

Get and Set

- ▶ Many jQuery functions can be used to both “get” and “set”

```
// returns DOM elements
$("#mainList").html()
// sets DOM elements
$("#mainList").html("<li>...")

("#mainDiv").width()
("#mainDiv").width(200)

$("#tdef").val()
$("#tdef").val("New Text")
```

Bulk Ops

- Need a “check all” button?
Easy as this!

```
// set all checkbox elements  
// to true/checked
```

```
$(":checkbox").attr("checked",  
"true")
```



**How about some
bling?**

Add effects easily

Add effects easily

- show, hide, toggle
- fadeOut, fadeIn
- animate

```
$("#div").animate({"top":  
"250px"}, 1200)
```

```
$("#table").fadeOut({500, 0.2})
```



Hook into Events

Page Load hook

Best place to load your code

- Function is run after page loads

```
$(function() {  
  // put functions and bind  
  // calls here  
  
  $("submitButton").bind(  
    alert("You clicked it!");  
  )  
  
});
```

Button click

Simple events

- Various events to hook into
- Simple button click
- Pass in a named or anonymous function

```
$("#submitButton").click(  
function() {  
    alert("You clicked it!");  
});
```

```
$("#submitButton").bind("click",  
function() {  
    alert("You clicked it!");  
});
```



Talk to a server with
AJAX

Simple POST

POST and callback

- \$.post
- URL
- Map of params
- Callback fn

```
$.post("/term/search",  
{q: "Cil"},  
function(response) {  
  alert("Got: "+reponse);  
});
```

Full Ajax

New in 1.5

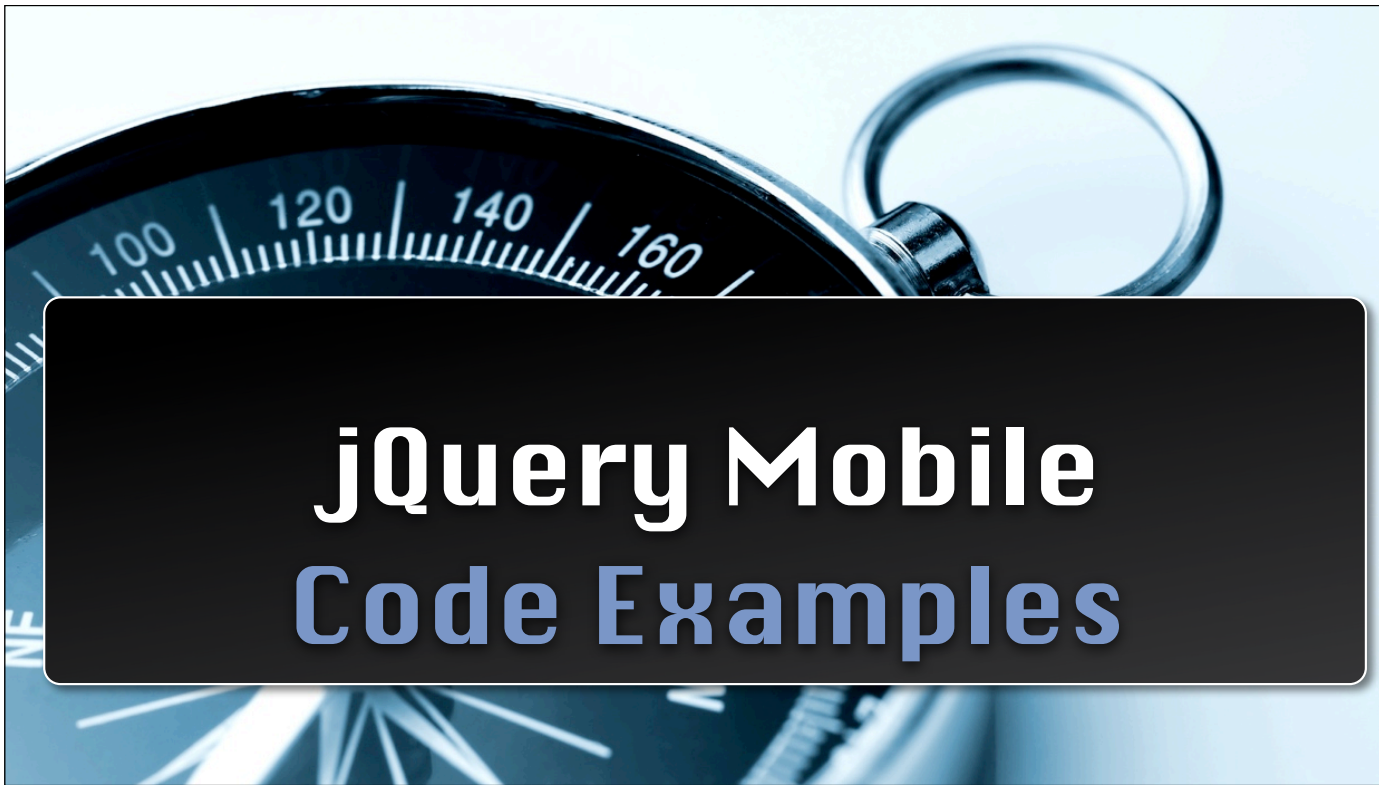
- callbacks are chained, not passed in as fn's
- This is different than pre jQuery 1.5.1
- This syntax is cleaner IMO

```
var myquery = $.ajax({  
  url : "/example"  
})  
.success( /* success */)  
.error( /* error */)  
.complete( /* 1st complete */);
```

JSON AJAX

- ▶ Helper function around \$.ajax

```
$.getJSON('/jsonSvc',  
function(resp) {  
    $.each(resp, function(key,  
value) {  
        console.log(key + ' : '  
            + value);  
    });  
});
```



jQuery Mobile

Code Examples

jQuery Mobile

- 1 jQuery's small-screen optimized UI toolkit
- 2 Relies heavily on HTML5 and webkit
- 3 BUT same as working with jQuery for other browser
- 4 Still at Alpha stage

Thanks for attending!

Samples:

<https://github.com/prpatel/>

Blog:

<http://www.mypatelspace.com/>

Links:

<http://jquery.org/>

Feedback Welcome
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