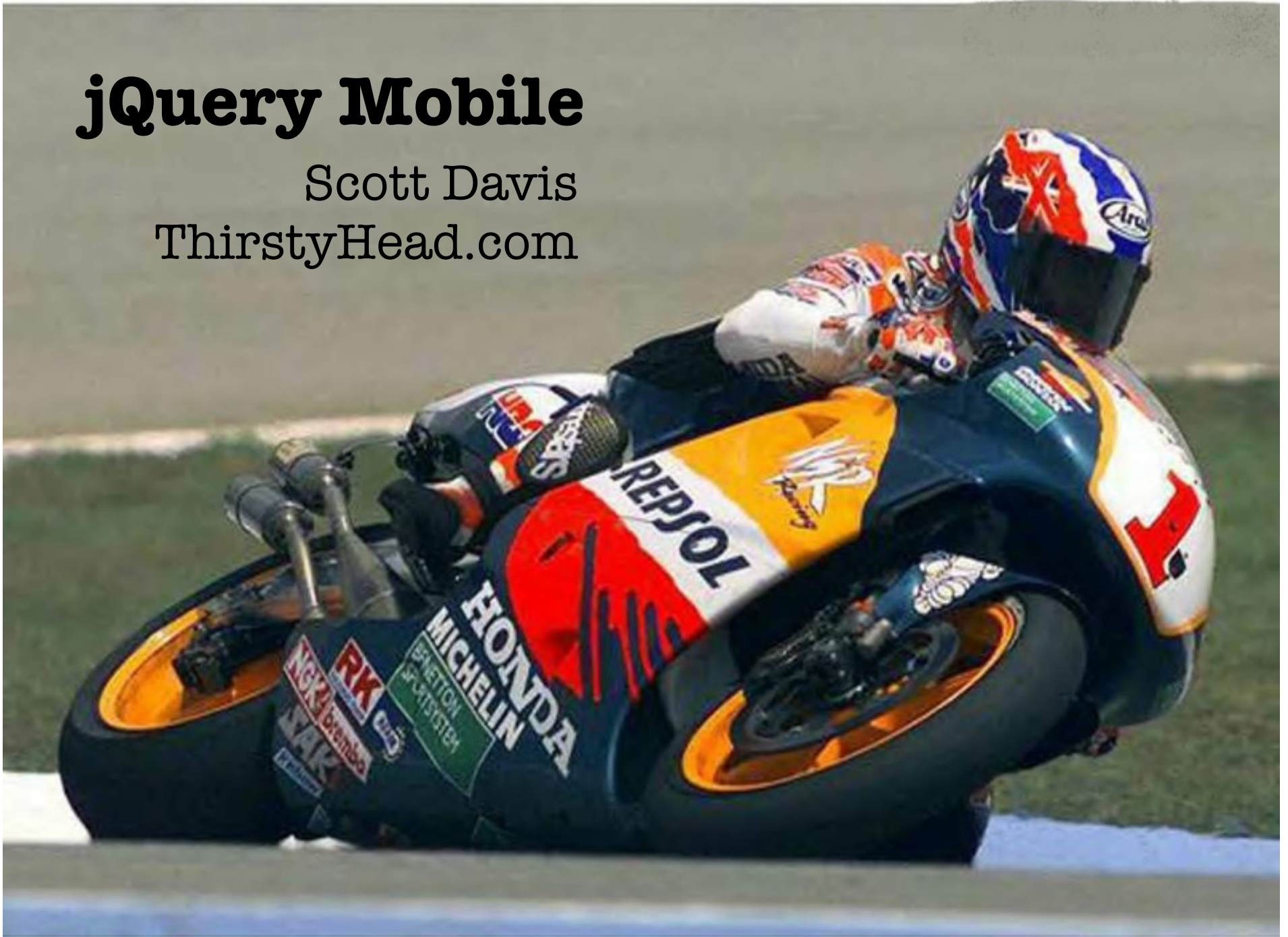


jQuery Mobile

Scott Davis
ThirstyHead.com





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HTML





May 08, 2012

Nielsen: Smartphone owners now the majority

Recommend

162

184

9



By [Brett Molina](#), USA TODAY

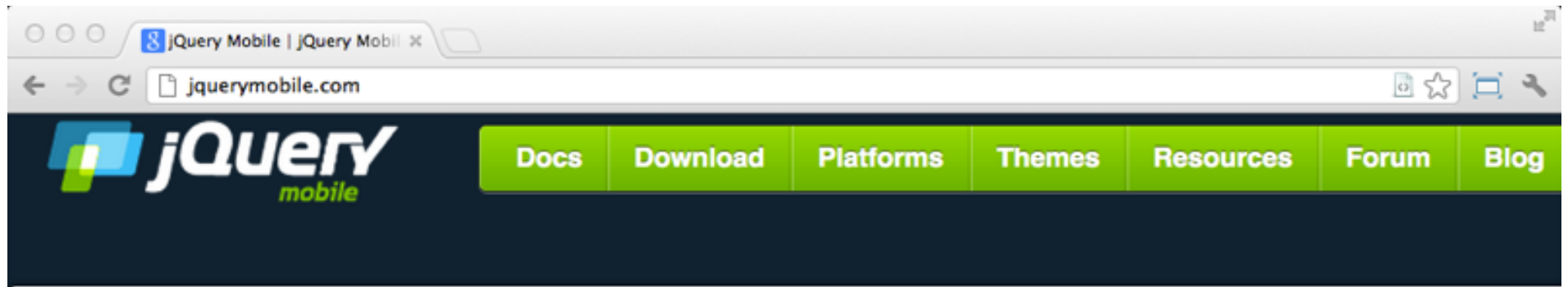
Updated 2012-05-08 1:46 PM

Smartphone ownership has now reached the majority, albeit by a slim margin, says a Nielsen survey.

As of March, 50.4% of U.S. mobile subscribers owned a smartphone, up from 47.8% last December.

The smartphone is particularly attractive to adults age 25-34, with more than two out of three owning the mobile device, the survey finds.





JQUERY MOBILE 1.2.0 RC2 RELEASED!

jQuery Mobile: Touch-Optimized Web Framework for Smartphones & Tablets

A unified, HTML5-based user interface system for all popular mobile device platforms, built on the rock-solid jQuery and jQuery UI foundation. Its lightweight code is built with progressive enhancement, and has a flexible, easily themeable design.

Experimental version - 1.2.0 RC2 ➤

Latest stable version - 1.1.1 ➤

Legacy version - 1.0.1 ➤



Seriously cross-platform with HTML5



Seriously cross-platform with HTML5

jQuery mobile framework takes the "write less, do more" mantra to the next level: Instead of writing unique apps for each mobile device or OS, the jQuery mobile framework allows you to design a single highly-branded web site or application that will work on all popular smartphone, tablet, and desktop platforms. [Device support](#)



Help us support all

platforms: [Donate test devices](#) to the jQuery Mobile project

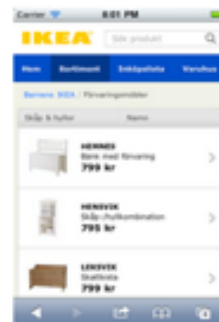
Easy to use: Try it now!

Get inspired: Built with jQuery Mobile

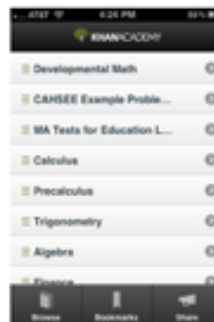
There are hundreds of popular web sites and apps built with jQuery Mobile. Here's a small sampling of sites collected on [JQM Gallery](#) - be sure to check that site often to see what's new and notable.



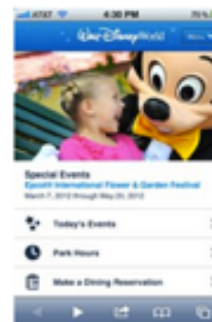
OpenTable



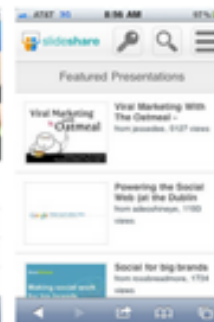
Ikea Sweden



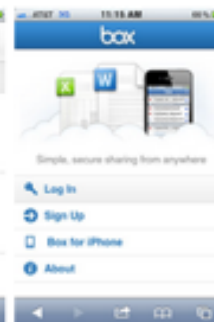
Khan Academy



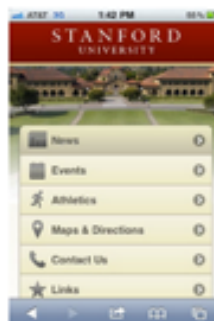
Disney World



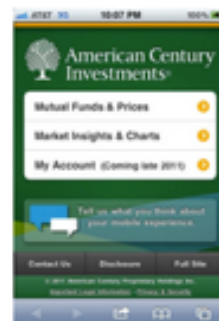
Slideshare



Box.net



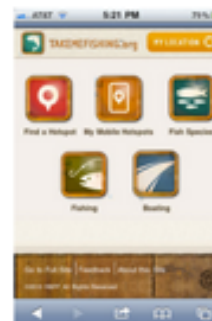
Stanford



American Century



Rugby World Cup



Take Me Fishing

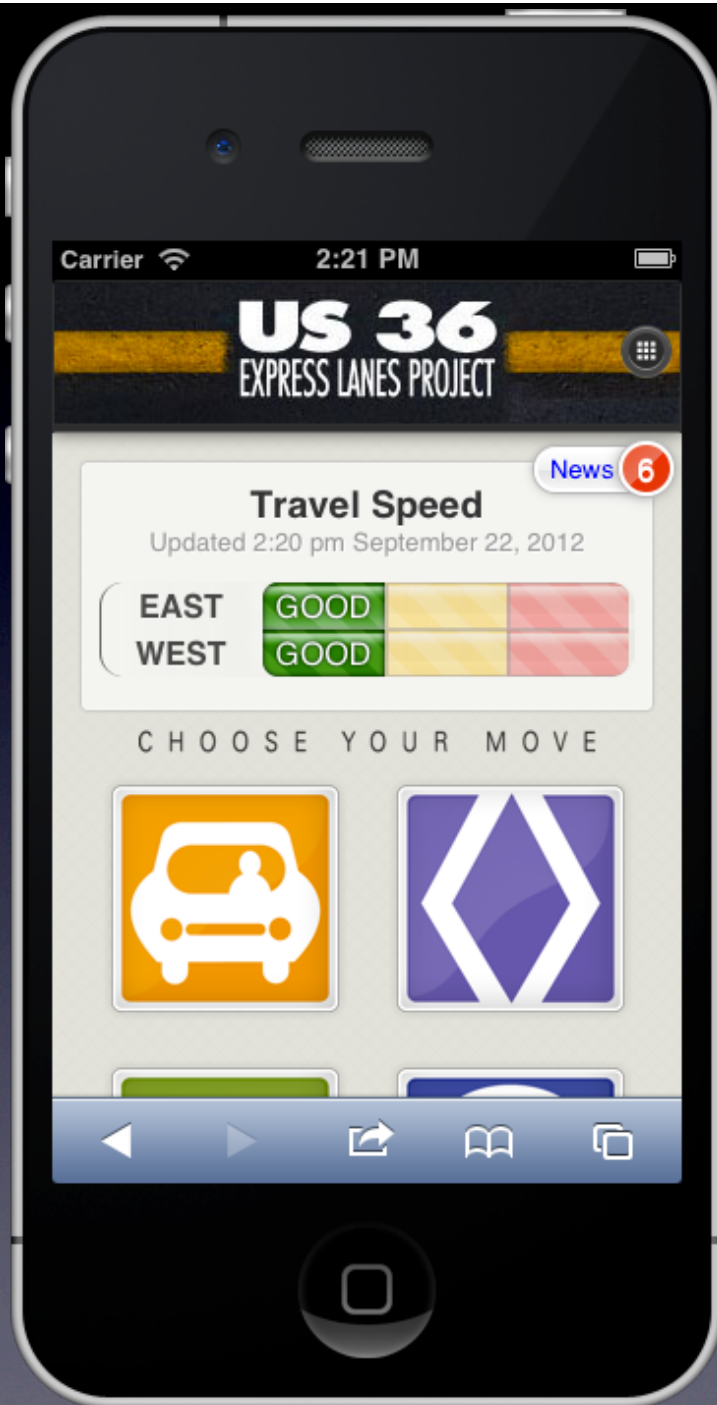


Ryland Homes



Moulin Rouge


<http://m.us36expresslanes.com>





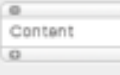

Easy to use: Try it now!


jQuery Mobile's emphasis on semantic markup and progressive enhancement makes it super easy to use. If you know basic HTML, you can start building mobile sites right away. Try this cool drag-and-drop UI builder to explore what the library can do, or check out some of the resources below to learn more.

[Demos & documentation](#) [Resources: Books, plugins, tutorials](#)

 BUILD ☐ PREVIEW [Download HTML](#)

[All](#) [Toolbars](#) [Buttons](#) [Content](#) [List Views](#) [Form Elements](#)

 **H1 H2 H3**   
Map Heading Image Collapsible Grid



[Inspect Code](#)

```
1 <!-- Home -->
2 <div data-role="page" id="page1">
3   <div data-theme="a" data-role="header">
4     <h3>
5       Strange Loop
6     </h3>
```

Indent: 4 ☐ spaces ☐ tabs

Getting Started...

SCHOOL

Non-intrusive,
semantic HTML5

HOTEL

CAFFE

Non-intrusive, semantic HTML5

```
<!-- Home -->
<div data-role="page" id="page1">
  <div data-role="header">
    <h3>Strange Loop</h3>
  </div>
  <div data-role="content">
    <div>
      
    </div>
  </div>
</div>
```

HTML 5 data- Attributes

A new feature being introduced in [HTML 5](#) is the addition of [custom data attributes](#). This is a, seemingly, bizarre addition to the specification - but actually provides a number of useful benefits.

Simply, the specification for [custom data attributes](#) states that any attribute that starts with "data-" will be treated as a storage area for private data (private in the sense that the end user can't see it - it doesn't affect layout or presentation).

This allows you to write *valid* HTML markup (passing an [HTML 5 validator](#)) while, simultaneously, embedding data within your page. A quick example:

```
<li class="user" data-name="John Resig" data-city="Boston"  
    data-lang="js" data-food="Bacon">  
    <b>John says:</b> <span>Hello, how are you?</span>  
</li>
```

The above will be perfectly valid HTML 5. This should be a welcome addition to nearly

jQuery Mobile Docs - Data A

jquerymobile.com/test/docs/api/data-attributes.html

Home

Data Attributes

Search

API

Configuring defaults

Events

Methods & Utilities

Data attribute reference

Theme framework

Data attribute reference

The jQuery Mobile framework uses HTML5 **data-** attributes to allow for markup-based initialization and configuration of widgets. These attributes are completely optional; calling plugins manually and passing options directly is also supported. To avoid naming conflicts with other plugins or frameworks that also use **data-** attributes, set a custom namespace by modifying the [ns global option](#).

Button

Links with **data-role="button"**. Input-based buttons, links in toolbars and button elements are auto-enhanced, no **data-role** required.

data-corners	true false
data-icon	home delete plus arrow-u arrow-d check gear grid star custom arrow-r arrow-l minus refresh forward back alert info search
data-iconpos	left right top bottom notext
data-iconshadow	true false
data-inline	true false
data-mini	true false - Compact sized version

```
<!DOCTYPE html>
<html>
  <head>
    <meta name="viewport" content="width=device-width, initial-
scale=1">
    <link rel="stylesheet" href="http://code.jquery.com/mobile/
1.1.1/jquery.mobile-1.1.1.min.css" />
    <script src="http://code.jquery.com/jquery-1.7.1.min.js"></
script>
    <script src="http://code.jquery.com/mobile/1.1.1/
jquery.mobile-1.1.1.min.js"></script>
  </head>
  <body>
    <div data-role="page" id="home">
      <div data-role="header">
        Hello Header
      </div>

      <div data-role="content">
        Hello Content
      </div>

      <div data-role="footer">
        Hello Footer
      </div>
    </div>
  </body>
</html>
```

Adding another page

Links (internal pages)

```
<div data-role="page" id="home">
  <div data-role="header">...</div>
  <div data-role="content">
    <p>Hello Content</p>
    <p>There's more info on <a href="#page2">Page 2</a></p>
  </div>
  <div data-role="footer">...</div>
</div>

<div data-role="page"
  id="page2"
  data-add-back-btn="true"
  data-back-btn-text="Home">

  <div data-role="header">...</div>
  <div data-role="content">...</div>
  <div data-role="footer">...</div>
</div>
```

A red arrow originates from the text "Page 2" in the first code block and points to the "id='page2'" attribute in the second code block, illustrating the internal link connection.

Links (**external** pages)

```
<div data-role="content">
  <p>Hello Content</p>
  <p>There's more exciting info on <a href="#page2">Page 2</a></p>
  <p>Visit <a href="http://pixeltarget.com">PixelTarget</a>.</p>
  <p>Visit (external) <a href="page3.html">Page 3</a>.</p>
</div>
```

```
<html>
  <body>
    <div data-role="page"
      id="page3"
      data-add-back-btn="true"
      data-back-btn-text="Home">

      <div data-role="header">...</div>
      <div data-role="content">...</div>
      <div data-role="footer">...</div>
    </div>
  </body>
</html>
```

NOTE:
AJAX Request +
<body> injection

Links (external **prefetched** pages)

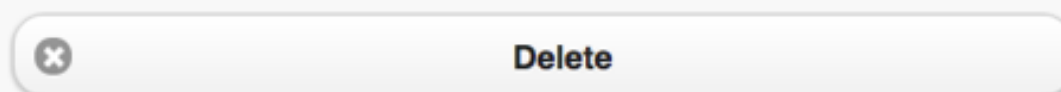
```
<div data-role="content">
  <p>Hello Content</p>
  <p>There's more exciting info on <a href="#page2">Page 2</a></p>
  <p>Visit <a href="http://pixeltarget.com">PixelTarget</a>.</p>
  <p>Visit (external) <a href="page3.html">Page 3</a>.</p>

  <p>Visit (prefetched) <a href="page4.html"
                        data-prefetch >Page 4</a>.</p>
</div>
```


Toolbars

```
<a href="index.html" data-role="button" data-icon="delete">Delete</a>
```

Creates this button with an icon:



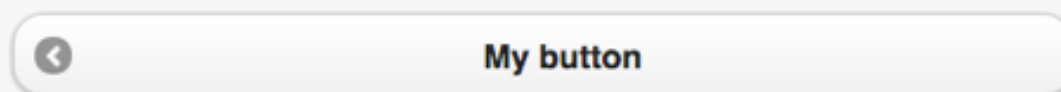
A more compact button with the `data-mini="true"` attribute added to the button:



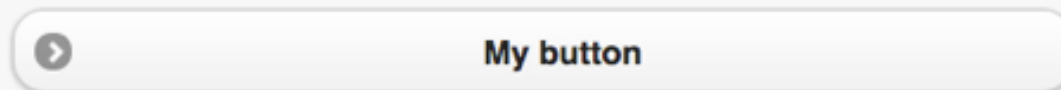
Icon set

The following `data-icon` attributes can be referenced to create the icons shown below:

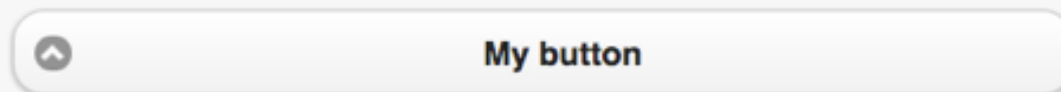
Left arrow - `data-icon="arrow-l"`



Right arrow - `data-icon="arrow-r"`



Up arrow - `data-icon="arrow-u"`



Down arrow - `data-icon="arrow-d"`

Adding a button to the Header

```
<div data-role="header">  
  <h1>Buttons</h1>  
  <a href="#settings"  
    data-icon="gear"  
    class="ui-btn-right">Settings</a>  
</div>
```

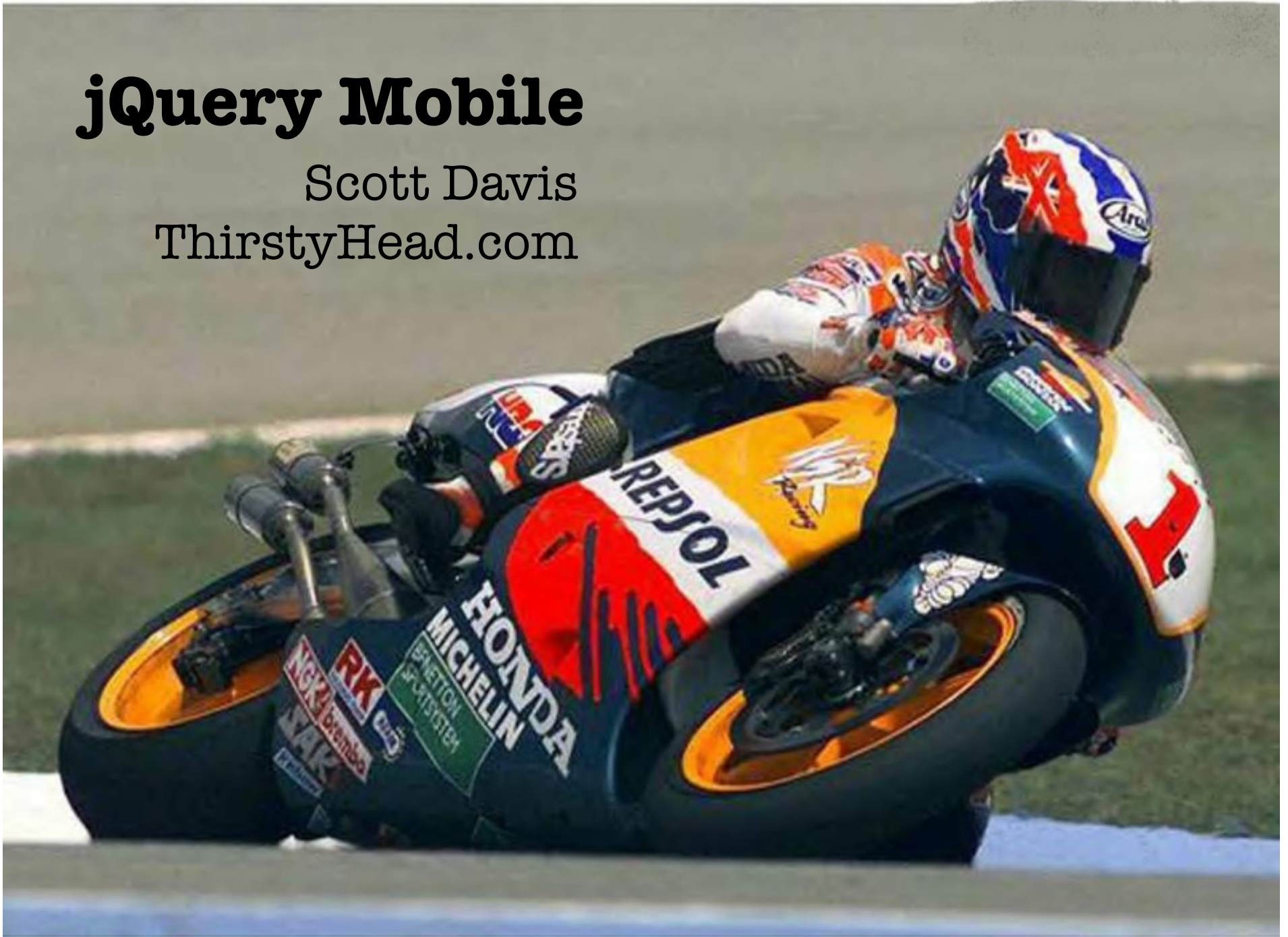
Adding a navbar to the Header

```
<div data-role="header">
  <h1>Buttons</h1>
  <a href="#settings" data-icon="gear"
class="ui-btn-right">Settings</a>
  <div data-role="navbar">
    <ul>
      <li><a href="#dest">List</a></li>
      <li><a href="#dest">New</a></li>
      <li><a href="#dest">Delete</a></li>
    </ul>
  </div>
</div>
```



jQuery Mobile

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Questions?
Thanks for your time.

source and slides:

<http://scottdavis99.github.com/>

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