

Going Mobile with jQuery

Nathaniel T. Schutta
`@ntschutta`

Who am I?

- Nathaniel T. Schutta
<http://www.ntschutta.com/jat/>
- @ntschutta
- Foundations of Ajax & Pro Ajax and Java Frameworks
- UI guy
- Author, speaker, teacher
- More than a couple of web apps

The Plan

- Why mobile?
- Why jQuery Mobile?
- Basics
- Events
- Methods, layout, themes
- Native vs. HTML

Going Mobile with jQuery

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Assume you have:
browser, text editor.

Copy zip.

Or clone it from github.

```
git clone git://github.com/ntschutta/  
jQuery_mobile_workshop
```

Extract to...somewhere ;)

Shout if you have ??s

Market is moving.

Mobile.

Next big thing.

Growing fast.

Faster than Google's
internal predictions.

<http://mashable.com/2011/02/28/schmidt-mobile-growth/>

Super Bowl ads.

Chrysler: 102x mobile
vs. 48x desktop.

GoDaddy: 315x mobile
vs. 38x desktop.

Millions of mobile devices...more daily.



i* - iPad, iPhone etc.

Smart phone market is growing rapidly.

[http://www.asymco.com/2010/12/20/
what-has-android-done-for-apple/](http://www.asymco.com/2010/12/20/what-has-android-done-for-apple/)

Half of US population by end of 2011.

<http://www.asymco.com/2010/12/04/half-of-us-population-to-use-smartphones-by-end-of-2011/>



Apps represent 56% of smartphone usage, email/messaging 19%, phone 15%, web browsing 9% - Nielsen's Carson on apps
[#consumer360](#)

21 Jun via TweetDeck

5 ינואר 2011 [https://twitter.com/#!/NielsenWire/
status/83235442341842944](https://twitter.com/#!/NielsenWire/status/83235442341842944)

iOS users download about 5 apps a month.

<http://www.asymco.com/2011/01/18/ios-users-download-about-5-apps-every-month/>

Apple has already passed 10 billion downloads.

<http://www.apple.com/itunes/10-billion-app-countdown/>

Now over 14 billion apps.

<http://www.asymco.com/2011/06/13/itunes-now-costs-1-3-billion-yr-to-run/>



Somewhat successful!

Gets business' attention!

Remember when we
“needed a website?”

Almost like apps today...

What do we do?

Just build a
native app right?

Well, maybe. Maybe not.

Do you *need*
a native app?

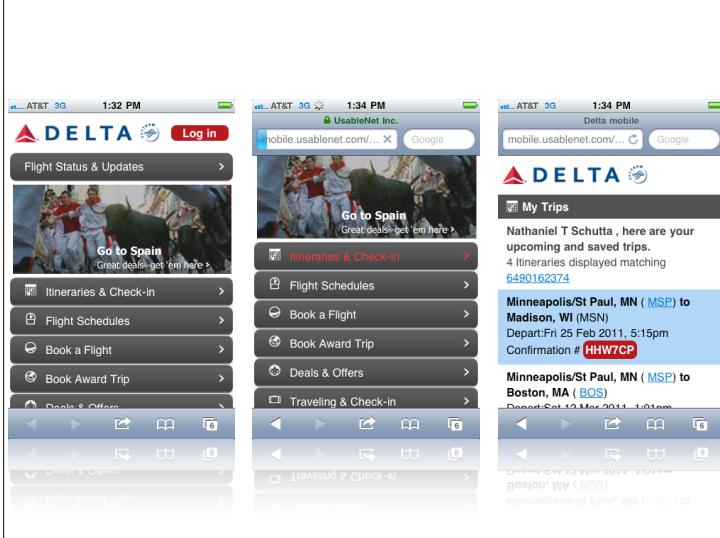
Is HTML5 enough?

Something like 3 billion
HTML capable phones.

Yes, 3 billion.

Delta.

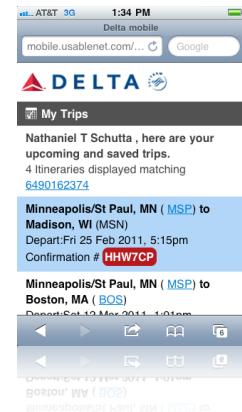
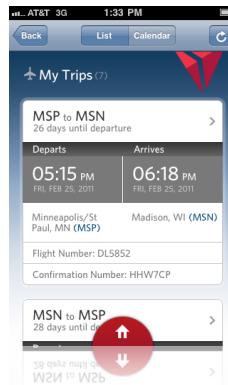
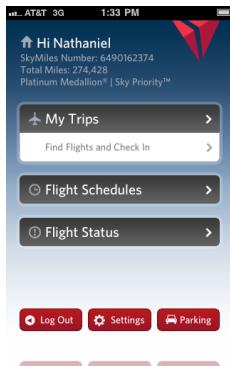
http://www.quirksmode.org/blog/archives/2011/01/operator_billin.html



That works.

It's serviceable.

Here's a native look.



Which do you prefer?

Could we make the
mobile site better?

**Building native apps
isn't always easy.**

Some key questions.

Which OSes?

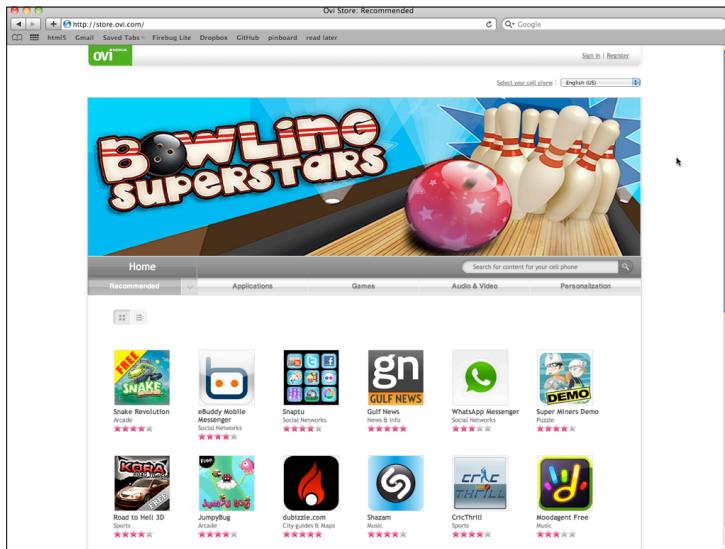
**Can we support
multiple OSes?**

Which handsets?

Which carriers?

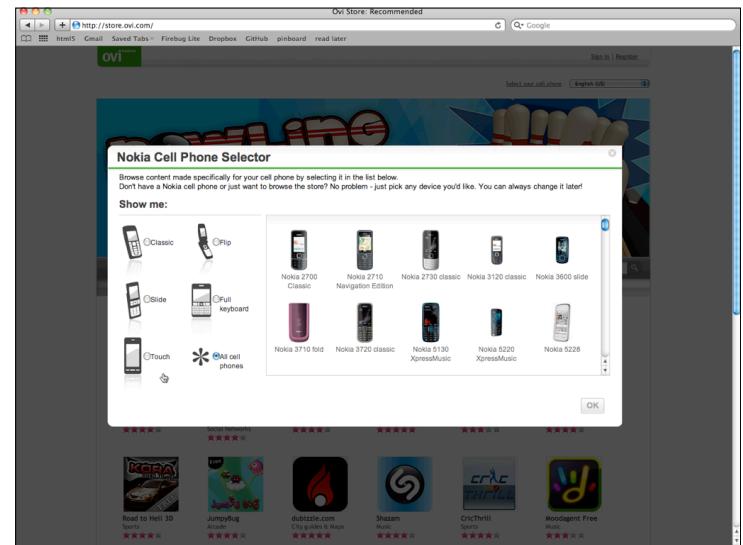
Which app markets?

Android fragmentation, Black Berry, Palm...



Wow, that looks great!

But here's step 2...



Bummer.

Not so user friendly...

Some mobile apps -
exclusive to handsets.

Still want to build
a native app?

Reality - cost.

Time.

Skill sets.

What do you do?

Great! HTML5.

Mobile browsers excellent
HTML5 support.

More likely than
desktop peers.

The web...and HTML5,
gives us an out.

**How do we get
consistent look and feel?**

**How about a touch
optimized framework?**

Do we start from scratch?

No!

Though some people do...

Leverage a library.

jQuery Mobile.

Why jQuery Mobile?

Unified UI.

Support for a wide variety of hardware.

Support for vast majority of mobile browsers.

The screenshot shows a web browser window displaying the 'Supported platforms' page from the jQuery Mobile documentation. The page is titled 'jQuery Mobile Docs - Supported platforms'. It features a navigation bar at the top with links for Home, Demos, Docs, About, Platform, API, Plugins, and Examples. Below the navigation, there are three main sections: 'A-grade', 'B-grade', and 'C-grade'. Each section lists various mobile devices and platforms that support the respective level of functionality. The 'A-grade' section includes Apple iOS 3.2-5.0, Android 2.1-2.3, BlackBerry 6.0, and others. The 'B-grade' section includes Kindle 3, Fire Phone, and others. The 'C-grade' section includes BlackBerry 4.x, Windows Mobile, and others. At the bottom of the page, there is a note about 'Not Officially Supported' devices like Samsung Bada.

- **A-grade** - Full enhanced experience with Ajax-based animated page transitions.
 - Apple iOS 3.2-5.0 - Tested on the original iPad (4.3 / 5.0), iPad 2 (4.3), original iPhone (3.1), iPhone 3 (3.2), iOS 4 (4.3), and 4 (4.3 / 5.0)
 - Android 2.1-2.3 - Tested on the HTC Incredible (2.2), original Droid (2.2), Nook Color (2.2), HTC Aria (2.1), Google Nexus S (2.3). Functional on 1.5 & 1.6 but performance may be sluggish, tested on Google G1 (1.5)
 - Android Honeycomb - Tested on the Samsung Galaxy Tab 10.1 and Motorola XOOM
 - Windows Phone 7-7.5 - Tested on the HTC Surround (7.0) HTC Trophy (7.5), and LG-E900 (7.5)
 - BlackBerry 6.0 - Tested on the Torch 9800 and Style 9870
 - BlackBerry Playbook - Tested on the PlayBook version 1.0 / 1.0.5
 - Palm Pre 1-2-3 - Tested on the Palm Pixi (1.4), Pre (1.4), Pre 2 (2.0)
 - Palm WebOS 3.0 - Tested on the TouchPad
 - Firefox Mobile (Beta) - Tested on Android 2.2
 - Opera Mobile 11.0 - Tested on the iPhone 3GS and 4 (5.0/6.0), Android 2.2 (5.0/6.0)
 - Meego 1.2 - Tested on Nokia 950 and N9
 - Kindle 3 - Fired up on the Kindle 3 with Webkit browser for each
 - OS X Desktop 11-15 - Tested on OS X 10.6.7 and Windows 7
 - Firefox Desktop 4-6 - Tested on OS X 10.6.7 and Windows 7
 - Internet Explorer 7-9 - Tested on Windows XP, Vista and 7 (minor CSS issues)
 - Opera Desktop 10-11 - Tested on OS X 10.6.7 and Windows 7
- **B-grade** - Enhanced experience except without Ajax navigation features.
 - BlackBerry 5.0 - Tested on the Storm 2 9550, Bold 9770
 - Opera Mini (5.0-6.0) - Tested on iOS 3.2/4.3
 - Nokia Symbian^3 - Tested on Nokia N8 (Symbian^3), C7 (Symbian^3), also works on N97 (Symbian^3)
- **C-grade** - Basic, non-enhanced HTML experience that is still functional
 - BlackBerry 4.x - Tested on the Curve 8330
 - Windows Mobile - Tested on the HTC Leo (WinMo 5.2)
 - All older smartphone platforms and featurephones - Any device that doesn't support media queries will receive the basic, C grade experience

Not Officially Supported - May work, but haven't been thoroughly tested or debugged

- Samsung Bada - The project doesn't currently have test devices or emulators, but current support is known to be fairly good. Support level undecided for 1.0

Markup driven.

Build on clean HTML.

Progressive enhancement.

Supports accessibility.

Built on jQuery core.

Familiar syntax.

Small - 12k compressed.

HTML5.

**Did I mention
accessibility?**

Leverages ThemeRoller.

**Widget auto-
initialization.**

**Happens before
document.ready.**

Touch events.

Plugins!

Page Structure.

HTML5.

Divs with data-roles.

```
<!DOCTYPE html>
<html>
<head>
<title>Page Title</title>
<link rel="stylesheet" href="../javascript/jqueryMobile/jquery.mobile-1.0a2.css" />
<script src="../javascript/jquery-1.4.3.js" type="text/javascript"></script>
<script src="../javascript/jqueryMobile/jquery.mobile-1.0a2.js" type="text/javascript"></script>
</head>
<body>
<div data-role="page">
<div data-role="header">
<h1>Page Title</h1>
</div>
<div data-role="content">
<p>Page content goes here.</p>
</div>
<div data-role="footer">
<h4>Page Footer</h4>
</div>
</div>
</body>
</html>
```

A screenshot of a mobile web browser displaying a test page. The page has a header with the title "Page Title", a content area with the text "Page content goes here.", and a footer with the text "Page Footer". The browser interface shows a navigation bar at the top and a list of recent pages on the right side.

Lab time!

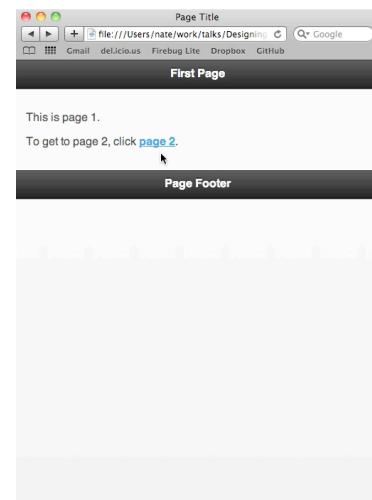
Page Structure

- Create a basic page with a header, content area and a footer
- \${extract}/jQuery_mobile_workshop/labs/page_structure/one_page.html

One document can contain multiple pages.

Stack the divs.

Just give each page a unique ID.



```
<div data-role="page" id="page1">
<div data-role="header">
<h1>First Page</h1>
</div>
<div data-role="content">
<p>This is page 1.</p>
<p><a href="#page2">page 2</a>.</p>
</div>
<div data-role="footer">
<h4>Page Footer</h4>
</div>
</div>

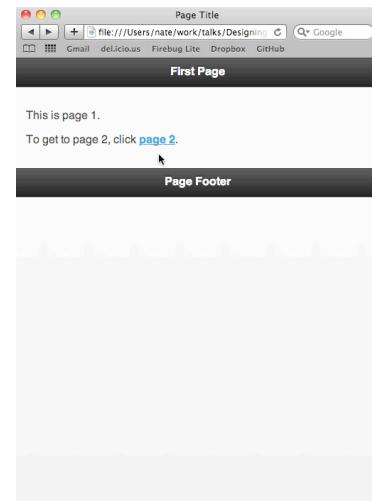
<div data-role="page" id="page2">
<div data-role="header">
<h1>Second Page</h1>
</div>
<div data-role="content">
<p>This is page 2.</p>
<p>More stuff goes here.</p>
</div>
<div data-role="footer">
<h4>Page Footer</h4>
</div>
</div>
```

Page transitions.

CSS based.

- slide
- slideup
- slidedown
- pop
- fade
- flip

Add a data
transition attribute.



```
<div data-role="page" id="page1">
  <div data-role="header">
    <h1>First Page</h1>
  </div>
  <div data-role="content">
    <p>This is page 1.</p>
    <p><a href="#page2">To get to page 2, click here.</a></p>
  </div>
  <div data-role="footer">
    <script type="text/javascript"></script>
    <h4>Page Footer</h4>
  </div>
</div>

<div data-role="page" id="page2">
  <div data-role="header">
    <h1>Second Page</h1>
  </div>
  <div data-role="content">
    <p>This is page 2.</p>
    <p>More stuff goes here.</p>
  </div>
  <div data-role="footer">
    <script type="text/javascript"></script>
    <h4>Page Footer</h4>
  </div>
</div>
```

Lab time!

Page Structure - 2

- Add a second page
- Create a link from the first to the second
- Try different transitions
- \${extract}/jQuery_mobile_workshop/labs/page_structure/two_page.html

Why data-x?

HTML5.

data- is a storage area.

Markup is valid.

**And you still get the
bits you need.**

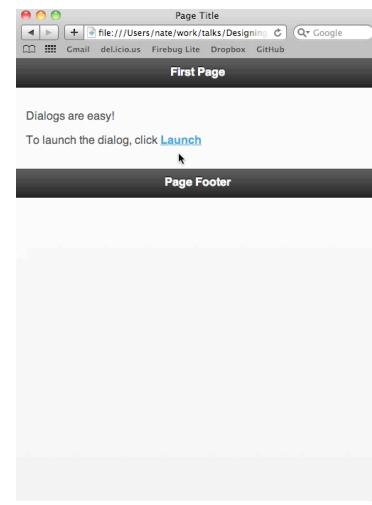
Dialogs.

Any page can be a dialog.

**We modify the link
again...dialog relation.**

**Standard page
transitions work.**

Pop, slideup and flip are most “dialog like.”



```
<div data-role="page" id="page1">
<div data-role="header">
<h1>First Page</h1>
</div>
<div data-role="content">
<p>Dialogs are easy!</p>
<p>To launch the dialog, click<br/>
<a href="dialog.html" data-transition="pop" data-rel="dialog">Launch</a></p>
</div>
<div data-role="footer">
<h4>Page Footer</h4>
</div>
</div>
```

Lab time!

Dialogs

- Create a basic page that links to the existing dialog.html
- Try different transitions
- Add a cancel link to the dialog
- \${extract}/jQuery_mobile_workshop/labs/dialog/page_with_dialog.html

Linked pages are loaded via an Ajax call.

Navigation modifies the location hash.

Allows for bookmarking!

Don't want an Ajax call?

Modify link attributes.

Add: rel=external or specify a target.

Toolbars.

Headers and footers.

Header = page title and
up to two buttons.

Footer = text and buttons.

Nav bar widget.

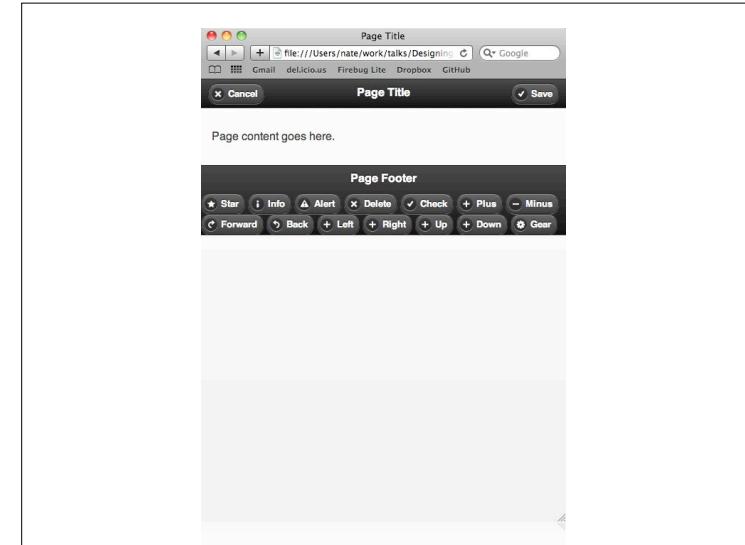
Where do the buttons
come from again?

First link - left button.
Second link - right button.

And we get icons!

Sprite.

Simply add an attribute.



```
<div data-role="page">
  <div data-role="header">
    <h1>Page Title</h1>
    <a href="#" data-icon="delete">Cancel</a>
    <a href="#" data-icon="check">Save</a>
  </div>
  <div data-role="content">
    <p>Page content goes here.</p>
    Page Footer
  </div>
  <div data-role="footer">
    <h4>Page Footer</h4>
    <a href="#" data-role="button" data-icon="star">Star</a>
    <a href="#" data-role="button" data-icon="info">Info</a>
    <a href="#" data-role="button" data-icon="alert">Alert</a>
    <a href="#" data-role="button" data-icon="delete">Delete</a>
    <a href="#" data-role="button" data-icon="check">Check</a>
    <a href="#" data-role="button" data-icon="plus">Plus</a>
    <a href="#" data-role="button" data-icon="minus">Minus</a>
    <a href="#" data-role="button" data-icon="forward">Forward</a>
    <a href="#" data-role="button" data-icon="back">Back</a>
    <a href="#" data-role="button" data-icon="left">Left</a>
    <a href="#" data-role="button" data-icon="right">Right</a>
    <a href="#" data-role="button" data-icon="up">Up</a>
    <a href="#" data-role="button" data-icon="down">Down</a>
    <a href="#" data-role="button" data-icon="gear">Gear</a>
  </div>
</div>
```

And much more!

Navbars, persistent
footers, fullscreen...

Lab time!

Toolbars

- jQuery Mobile can add a back button
- Have jQuery Mobile create the back button
- Change the back button's text
- \${extract}/jQuery_mobile_workshop/labs/toolbars/two_page_back_button.html

Toolbars - 2

- Add a left and right button to the header
- Add a few buttons to the footer
- Experiment with different icons
- \${extract}/jQuery_mobile_workshop/labs/toolbars/two_page_toolbar.html

Forms!

Basically the same as
any old web app.

Form tag, action, method.

One caveat...

**Control ids must be
unique across site.**

**DOM can have multiple
pages present.**

**Field containers get
special styling.**

Enhanced controls.

Degrades gracefully.

- text
- search
- slider
- flip toggle switch
- radio buttons
- checkbox
- multiselects

A screenshot of a mobile browser window titled "Page Title". The page contains the following form elements:

- Text Input: A text field containing the letter "x".
- Password Input: An empty password field.
- Input slider: A slider with the value set to 0.
- Flip toggle: A toggle switch labeled "Off".
- Favorite Flavor: A dropdown menu set to "Vanilla".
- Favorite Flavors: A list of checkboxes for "Vanilla", "Chocolate", "Neapolitan", and "Coffee", with "Vanilla" checked.

```
<div data-role="fieldcontain">
  <label for="name">Text Input:</label>
  <input type="text" name="name" id="name" value="" />
  <label for="password">Password Input:</label>
  <input type="password" name="password" id="password" value="" />
</div>
<div data-role="fieldcontain">
  <label for="slider">Input slider:</label>
  <input type="range" name="slider" id="slider" value="0" min="0" max="100" />
  <label for="slider2">Flip toggle:</label>
  <select name="slider2" id="slider2" data-role="slider">
    <option value="off">Off</option>
    <option value="on">On</option>
  </select>
</div>
<div data-role="fieldcontain">
  <label for="select-choice-1" class="select">Favorite Flavor:</label>
  <select name="select-choice-1" id="select-choice-1">
    <option value="Vanilla">Vanilla</option>
    <option value="Chocolate">Chocolate</option>
    <option value="Neapolitan">Neapolitan</option>
    <option value="Coffee">Coffee</option>
  </select>
  <fieldset data-role="controlgroup">
    <legend>Favorite Flavors:</legend>
    <input type="checkbox" name="checkbox-1" id="checkbox-1" class="custom" />
    <label for="checkbox-1">Vanilla</label>
    <input type="checkbox" name="checkbox-2" id="checkbox-2" class="custom" />
    <label for="checkbox-2">Chocolate</label>
    <input type="checkbox" name="checkbox-3" id="checkbox-3" class="custom" />
    <label for="checkbox-3">Neapolitan</label>
    <input type="checkbox" name="checkbox-4" id="checkbox-4" class="custom" />
```

Lab time!

Forms

- Add a form
- Experiment with various form elements
- Add a field container
- Add a flip toggle switch
- \${extract}/jQuery_mobile_workshop/labs/forms/forms.html

Lists.

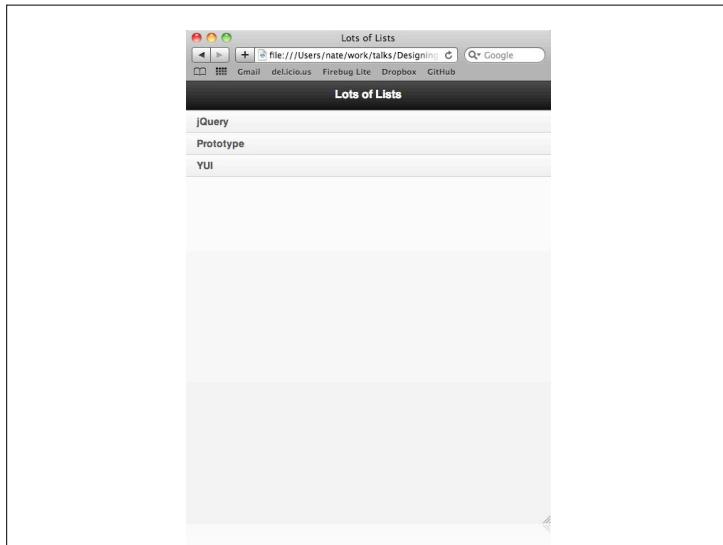
Tables of data.

Very common.

Display, navigation, etc.

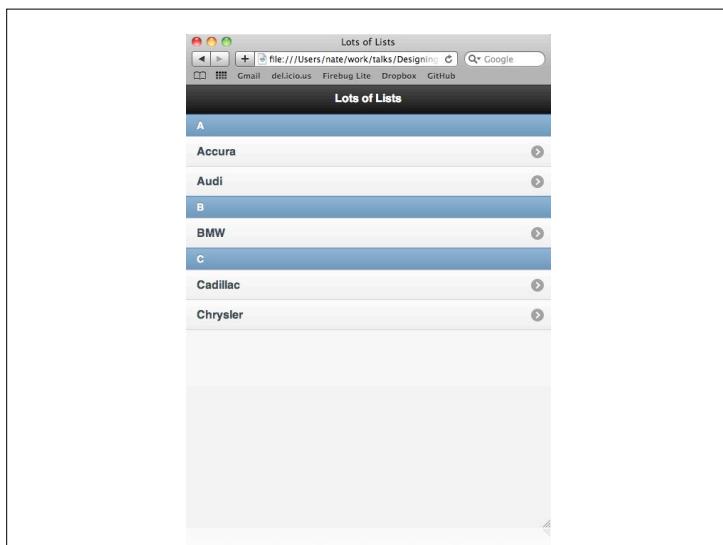


```
<div data-role="content">
  <ul data-role="listview">
    <li><a href="jquery.html">jQuery</a></li>
    <li><a href="prototype.html">Prototype</a></li>
    <li><a href="yui.html">YUI</a></li>
  </ul>
</div>
```



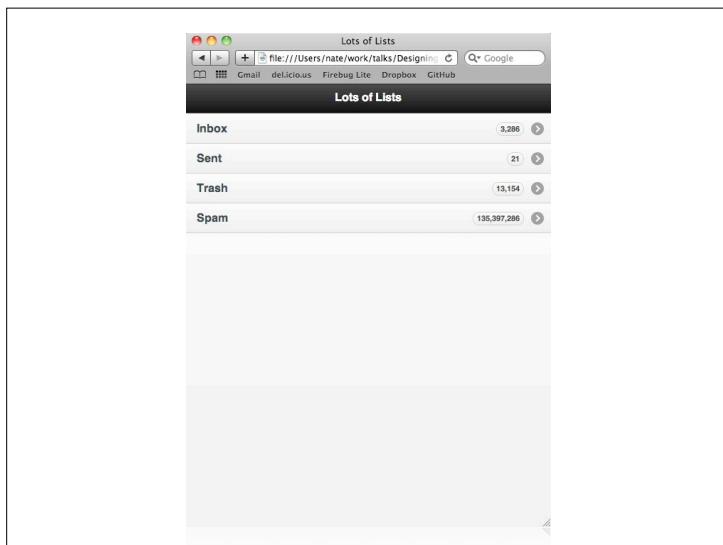
```
<div data-role="content">
  <ul data-role="listview">
    <li>jQuery</li>
    <li>Prototype</li>
    <li>YUI</li>
  </ul>
</div>
```

On the right side of the browser window, Firebug is open, showing the DOM structure of the list item. The list item for "YUI" is selected. Below the DOM panel, the File Explorer panel shows several files related to the mobile UI design, including "mobile.html", "mobile.css", and "mobile.js".



```
<div data-role="content">
  <ul data-role="listview">
    <li data-role="list-divider">A</li>
    <li><a href="acura.html">Accura</a></li>
    <li><a href="audi.html">Audi</a></li>
    <li data-role="list-divider">B</li>
    <li><a href="bmw.html">BMW</a></li>
    <li data-role="list-divider">C</li>
    <li><a href="cadillac.html">Cadillac</a></li>
    <li><a href="chrysler.html">Chrysler</a></li>
  </ul>
</div>
```

On the right side of the browser window, Firebug is open, showing the DOM structure of the list item under section "A". The list item for "Accura" is selected. Below the DOM panel, the File Explorer panel shows several files related to the mobile UI design, including "mobile.html", "mobile.css", and "mobile.js".



```
<div data-role="content">
  <ul data-role="listview">
    <li><a href="inbox.html">Inbox</a><span class="ui-li-count">3,286</span></li>
    <li><a href="sent.html">Sent</a><span class="ui-li-count">21</span></li>
    <li><a href="trash.html">Trash</a><span class="ui-li-count">13,154</span></li>
    <li><a href="spam.html">Spam</a><span class="ui-li-count">135,397,286</span></li>
  </ul>
</div>
```

On the right side of the browser window, Firebug is open, showing the DOM structure of the list item under "Inbox". The list item for "Inbox" is selected. Below the DOM panel, the File Explorer panel shows several files related to the mobile UI design, including "mobile.html", "mobile.css", and "mobile.js".

Lab time!

Lists

- Create a page with a standard list
- Create a page with a read only list
- Add list dividers
- Add “counts”
- Convert a list to a numbered list
- \${extract}/jQuery_mobile_workshop/labs/lists/*.html

Custom events.

Adds a set of custom events.

Bind with live() or bind().

Touch events.

- tap
- taphold
- swipe
- swipeleft
- swiperight

Orientation/Scrolling.

- orientationchange
- scrollstart
- scrollstop

Page show and hide.

- pagebeforeshow
- pagebeforehide
- pageshow
- pagehide

Page transitions involve
4 page events...

Two for each page.

Page events reference to
next or previous page.

Page initialization events.

Markup “converted” to
custom controls.

You can add custom
code before/after init.

You can also add your
own init code.

And you can stop the
auto init if you want.

Page events only fire
ONCE per page.

Not the same as hide/show.

Page initialization.

- pagebeforecreate
- pagecreate

To prevent auto init...

...bind to pagebeforecreate,
return false.

One animation event...

animationComplete

Methods.

\$.mobile exposes several methods/properties.

\$.mobile.changePage

Arguments.

to
transition (string)
reverse (boolean)
changeHash(boolean)

to

- sting - url
- jQuery object
- array - [from, to]
- object - form data

```
function transition() {  
    $.mobile.changePage("mobileLists.html", "slideup");  
}
```

`$.mobile.pageLoading`

Show/hide page loading message.

`$.mobile.path`
`$.mobile.base`

`$.mobile.silentScroll`

Scrolls without firing scroll events.

`$.mobile.activePage`

A reference to the page in view.

Layout helpers.

CSS.

Not too surprising ;)

Updated as needed.

You can reference the class.

.portrait
.landscape

Width breakpoints.

320, 480, 768, 1024.

.min-width-480px

jQuery Mobile plugins
leverage extensively.

Want your own
width breakpoint?

`$.mobile.addResolutionBreakpoints`

Support for
media queries.

`$.mobile.media`

What about tablets?

960 Grid.

Layout grids.

<http://jeromeetienne.github.com/jquery-mobile-960/>

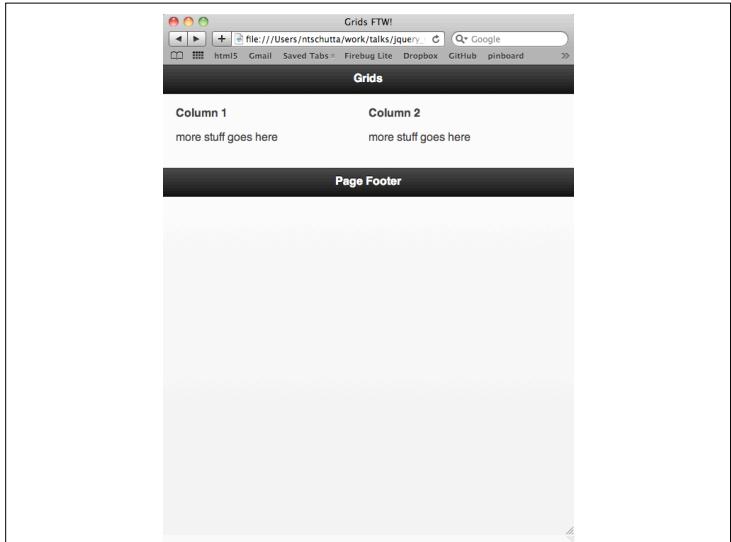
Includes various grids.

Be aware of screen sizes...

Two presets...

2 column: ui-grid-a
3 column: ui-grid-b

Grids are 100% width,
invisible, no margins/padding.



```
<div data-role="page">
  <div data-role="header">
    <h1>Grids</h1>
  </div>
  <div data-role="content">
    <div class="ui-grid-a">
      <div class="ui-block-a"><strong>Column 1</strong><p>more stuff goes here</p></div>
      <div class="ui-block-b"><strong>Column 2</strong><p>more stuff goes here</p></div>
    </div>
  </div>
  <div data-role="footer">
    <h4>Page Footer</h4>
  </div>
</div>
```

Can be combined
with themes.

Works with any container.

Also has support for
3, 4 an 5 column grids.

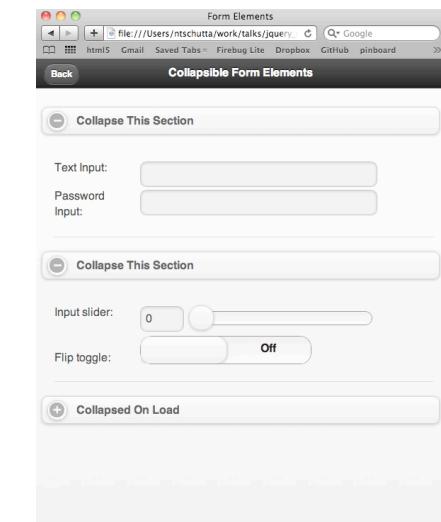
You can even have
multi row grids.

Collapsible content.

Wait for it...

data-role="collapsible"

Add any header element.



```
<div data-role="collapsible">
  <h3>Collapse This Section</h3>
  <div data-role="fieldcontain">
    <label for="slider">Input slider:</label>
    <input type="range" name="slider" id="slider" value="0" min="0" max="100" />
    <label for="slider2">Flip toggle:</label>
    <select name="slider2" id="slider2" data-role="slider">
      <option value="off">Off</option>
      <option value="on">On</option>
    </select>
  </div>
</div>
<div data-role="collapsible" data-collapsed="true">
  <h3>Collapsed On Load</h3>
  <div data-role="fieldcontain">
    <label for="select-choice-1" class="select">Favorite Flavor:</label>
    <select name="select-choice-1" id="select-choice-1">
      <option value="Vanilla">Vanilla</option>
      <option value="Chocolate">Chocolate</option>
      <option value="Neapolitan">Neapolitan</option>
      <option value="Coffee">Coffee</option>
    </select>
    <fieldset data-role="controlgroup">
      <legend>Favorite Flavors:</legend>
      <input type="checkbox" name="checkbox-1" id="checkbox-1" class="custom" />
      <label for="checkbox-1">Vanilla</label>
      <input type="checkbox" name="checkbox-2" id="checkbox-2" class="custom" />
      <label for="checkbox-2">Chocolate</label>
      <input type="checkbox" name="checkbox-3" id="checkbox-3" class="custom" />
      <label for="checkbox-3">Neapolitan</label>
      <input type="checkbox" name="checkbox-4" id="checkbox-4" class="custom" />
      <label for="checkbox-4">Coffee</label>
    </fieldset>
  </div>
</div>
```

Lab time!

Collapsible Sets

- Add collapsible sets to the form
- Have one (or more) sections open on load
- \${extract}/jQuery_mobile_workshop/labs/collapsible/collapsible.html

**Can also create
an accordion.**

collapsible-set

Themes.

Strength of jQuery.

Unified visual design.

Uses CSS3 properties.

No images for rounded corners, gradients, etc.

Themes use color swatches.

Can mix and match.

**Themes are open ended,
allows for variety.**

**CSS3 gradients for
background.**

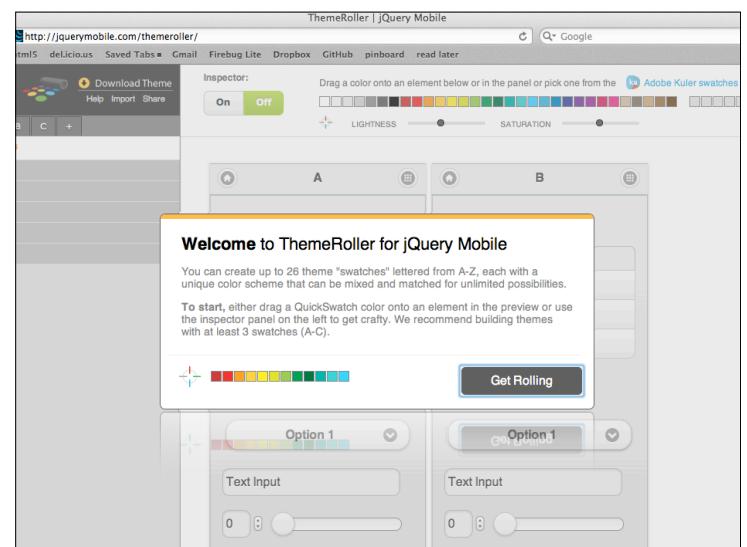
Icon set.

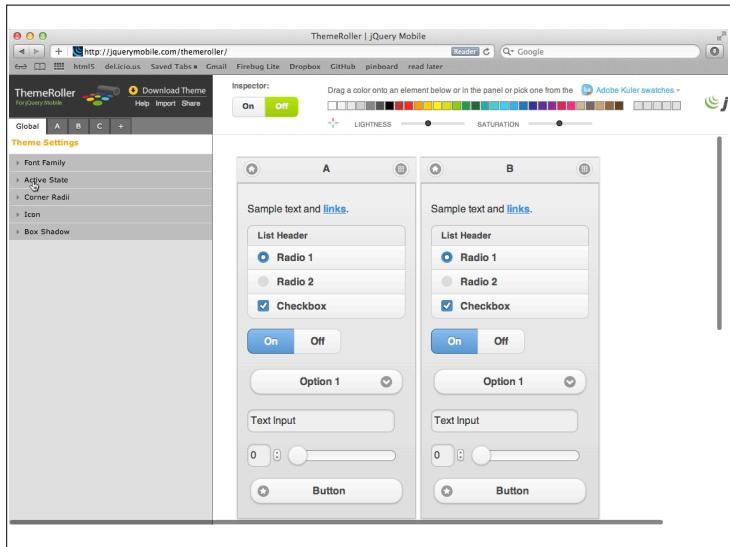
Separation of color
and texture...

Default theme 5
swatches: a, b, c, d, e.

ThemeRoller For
jQuery Mobile.

Beta...





Lab time!

Themes

- Wifi willing...
- <http://jquerymobile.com/themeroller/>
- Using jQuery ThemeRoller, create your own theme
- Try your theme out on various labs
- \${extract}/jQuery_mobile_workshop/labs/collapsible/collapsible.html

Default header: a.
Default body: c.

Swatches default styles
for buttons et al.

Buttons in a bar
automatically match.

Changes cascade down.

“Active” state same across a theme.

Can't override.

Consistent user feedback.

Native or HTML5?

Pros...and cons.

“Web” vs. “Native”.

[http://www.tbray.org/ongoing/When/
201x/2011/06/14/Native-vs-Web](http://www.tbray.org/ongoing/When/201x/2011/06/14/Native-vs-Web)

Many native apps could
be written in HTML5.

Should they is the
interesting question.

Uncanny valley...

http://en.wikipedia.org/wiki/Uncanny_valley





Applies to interfaces too...

<http://billhiggins.us/blog/2007/05/17/the-uncanny-valley-of-user-interface-design/>

CrossPlatformMobile.

<http://martinfowler.com/bliki/CrossPlatformMobile.html>

Pretenders: Why mobile Web apps should stop trying to act like native apps.

<http://civ.ly/2011/06/19/pretenders-why-mobile-web-apps-should-stop-trying-to-act-like-native-apps/>

Why Mobile Web Apps Should Stop Trying to Act Like Native Apps.

<http://daringfireball.net/linked/2011/06/20/pretenders>

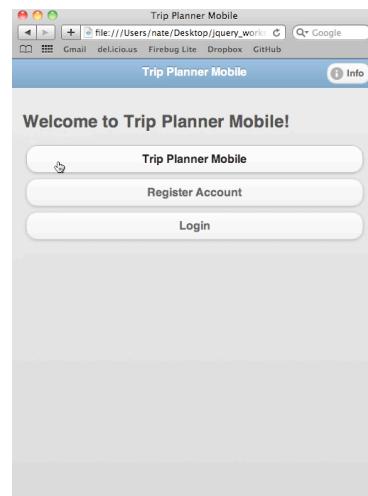
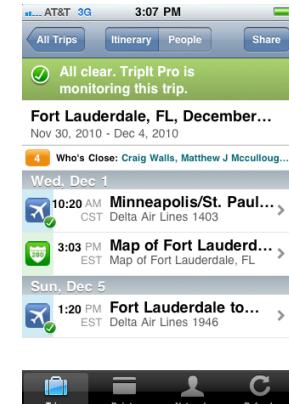
Let's try.

I love Tripl!

<http://www.tripit.com>

Incredibly useful for anyone that travels.

Great website, also has a mobile app.



Lab time!

Trip Planner

- Using what we've learned, create a jQuery Mobile based "trip planner"
- Splash page
- Trip list
- Trip details
- \${extract}/jQuery_mobile_workshop/labs/trip_planner/trip_planner.html

```
<div data-role="page" id="trips" data-theme="b">
  <div data-role="header" data-theme="b">
    <h1>Trip Planner Mobile</h1>
    <a href="info.html" data-icon="info" data-theme="c" class="ui-btn-right">Info</a>
  </div>
  <div data-role="content">
    <h2>Welcome to Trip Planner Mobile!</h2>
    <a href="#trips" data-transition="pop" data-role="button" data-theme="c">Trip Planner Mobile</a>
    <a href="register.html" data-role="button" data-theme="c">Register Account</a>
    <a href="login.html" data-role="button" data-theme="c">Login</a>
  </div>
</div>

<div data-role="page" id="trips" data-theme="b">
  <div data-role="header" data-theme="b" data-nobackbtn="true">
    <h1>Your Trips</h1>
    <a href="info.html" data-icon="info" data-theme="c" class="ui-btn-right">Info</a>
  </div>
  <div data-role="content">
    <ul data-role="listview">
      <li data-role="list-divider">Your Trips</li>
      <li><a href="#trip1">Amsterdam, Netherlands</a><span class="ui-li-count">7 Days</span></li>
      <li><a href="#trip2">Fort Lauderdale, FL</a><span class="ui-li-count">3 Days</span></li>
      <li data-role="list-divider">Shared Trips</li>
      <li>No Shared Trips</li>
    </ul>
  </div>
  <div data-role="footer" data-theme="b" data-position="fixed">
    <a href="trips.html" data-role="button" data-icon="info">Trips</a>
    <a href="points.html" data-role="button" data-icon="star">Points</a>
    <a href="network.html" data-role="button" data-icon="gear">Network</a>
    <a href="refresh.html" data-role="button" data-icon="refresh">Refresh</a>
  </div>
</div>
```

```
<div data-role="page" id="trip1" data-theme="b">
  <div data-role="header" data-theme="b">
    <h1>Your Trip to Amsterdam</h1>
    <h2>7 days, 12 Nov -> 19 Nov</h2>
    <a href="info.html" data-icon="info" data-theme="c" class="ui-btn-right">Info</a>
  </div>
  <div data-role="content">
    <ul data-role="listview">
      <li data-role="list-divider">Friday November 12</li>
      <li><a href="flight1.html">MSP -> AMS</a></li>
      <li><a href="directions.html">Directions to Holiday Inn</a></li>
      <li><a href="map.html">Map of Amsterdam</a></li>
      <li><a href="transport.html">Transportation</a></li>
      <li data-role="list-divider">Sunday November 14</li>
      <li><a href="venue.html">Venue</a></li>
      <li data-role="list-divider">Tuesday November 16</li>
      <li><a href="transport2.html">Transportation</a></li>
      <li><a href="dinner.html">Speaker's dinner</a></li>
      <li data-role="list-divider">Friday November 19</li>
      <li><a href="flight2.html">AMS -> MPS</a></li>
    </ul>
  </div>
  <div data-role="footer" data-theme="b" data-position="fixed">
    <a href="trips.html" data-role="button" data-icon="info">Trips</a>
    <a href="points.html" data-role="button" data-icon="star">Points</a>
    <a href="network.html" data-role="button" data-icon="gear">Network</a>
    <a href="refresh.html" data-role="button" data-icon="refresh">Refresh</a>
  </div>
</div>
```

Did I mention jQuery Mobile just went 1.0?

Evolving rapidly.

Expect evolution.

Questions?

Thanks!

Please complete your surveys.