

jQuery Mobile

is the easiest way to build sites and apps that are accessible on all popular smartphone, tablet, and desktop devices

provides a set of touch-friendly UI widgets and an AJAX-powered navigation system to support animated page transitions

jQuery Mobile

super easy to use

uses a declarative style

similar to writing regular HTML

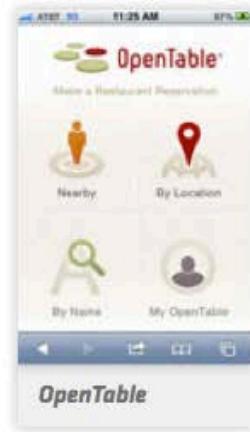
builds on HTML / JQuery / jQuery UI

Started in August 2010

has lightweight code

has a flexible, easily theme-oriented design

jQuery Mobile Gallery



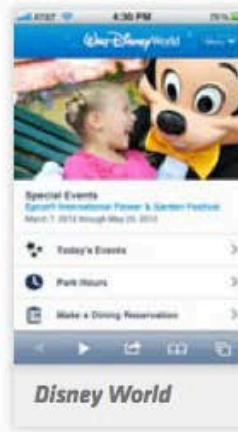
OpenTable



Ikea Sweden



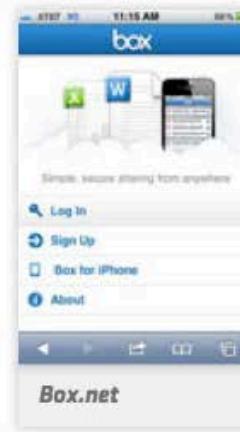
Dodge



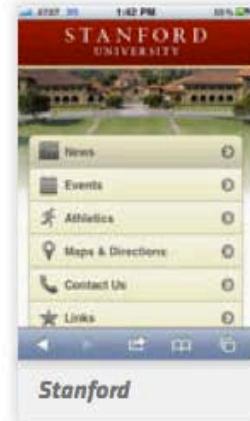
Disney World



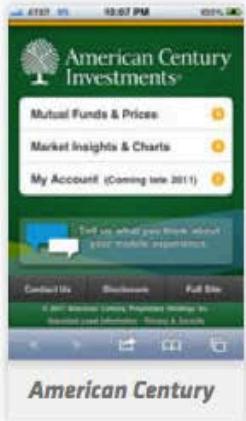
Slideshare



Box.net



Stanford



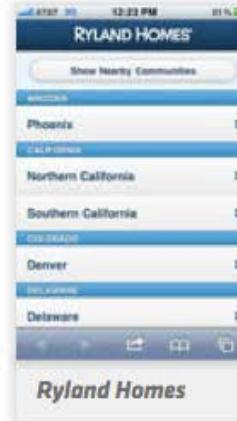
American Century



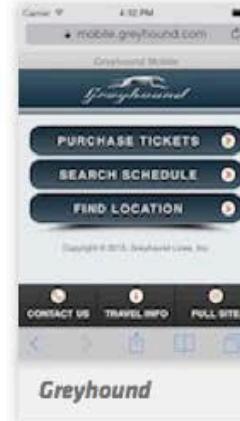
Rugby World Cup



Take Me Fishing



Ryland Homes



Greyhound

jQuery Mobile

- Handles navigation for mobile sites/apps
- Offers mobile-focused widgets, toolbars, page transitions, effects...Powerful CSS-based theme engine
- Uses HTML5 custom data-* attributes to specify structure of internal pages

jQuery Mobile

pages

- content

- header

- footer

page transitions

- slide, slideup, slidedown, pop, fade, flip, etc.

lists (collapsible lists)

forms

tables (columns)

events

navigation bars (accordions)

jQuery Mobile

All pages can be stored in a single HTML file

- each mobile screen is represented by a "div" element with attribute **data-role="page"**
- each mobile screen has a “div” with **data-role="content"**
- screens (pages) can have "header" and "footer"

jQueryMobile relies on attributes **data-role="page"**

#ID is used for navigation between screens (pages)

jQuery Mobile

automatically takes care of internal navigation using properly structured pages with data-role attributes

Pages can be linked:

- internally with #page1 and #page2
- externally (page3.html)

Examples: JQM8_pages.html & page3.html

- page3.html is linked externally
- jQuery Mobile extracts the first data-role="page" element from it and injects that on screen

jQuery Mobile

```
<section data-role="page" id="page1">
  <header data-role="header">
    <h1>This is page one</h1>
  </header>
  <section data-role="content">
    <p><a href="#page2">Link to page 2</a></p>
  </section>
  <footer data-role="footer">
    <p>footer</p>
  </footer>
</section>
```



A Touch-Optimized UI Framework built with
jQuery and HTML5.

Welcome. jQuery Mobile is the easiest way to build sites
and apps that are accessible on all popular smartphone,
tablet and desktop devices. For jQuery 1.7.0 to 1.8.3.

Overview

- [Intro to jQuery Mobile](#)
- [Quick start guide](#)
- [Features](#)
- [Accessibility](#)
- [Supported platforms](#)

Components

- [Pages & dialogs](#)
 - [Toolbars](#)
 - [Buttons](#)
 - [Content formatting](#)
 - [Form elements](#)
 - [Listviews](#)
- ## API
- [Configuring defaults](#)
 - [Events](#)
 - [Methods & Utilities](#)
 - [Data attribute reference](#)
 - [Theme framework](#)

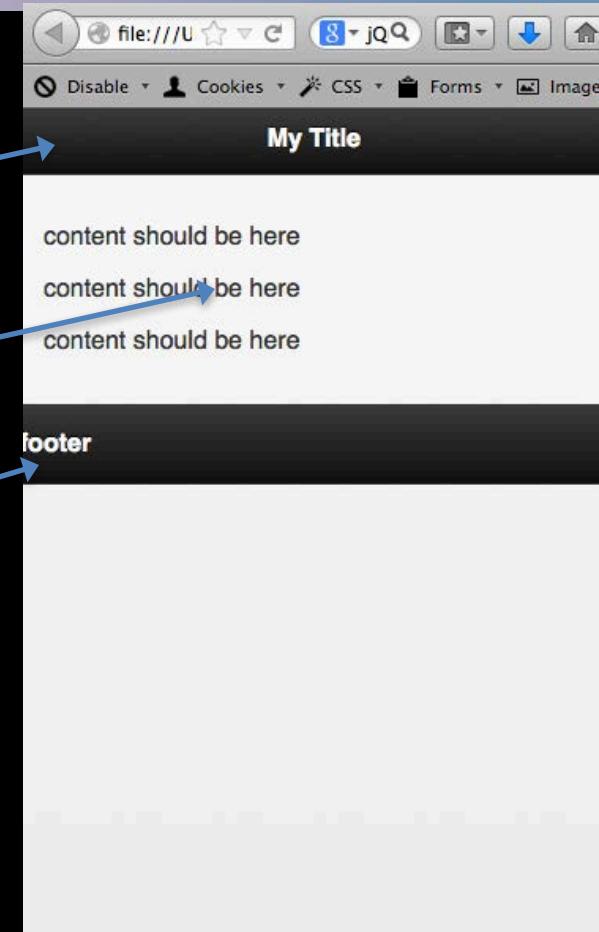
Final

jQuery Mobile – link to the library and the CSS

```
<!DOCTYPE html>
<html>
<head>
    <title>My Page</title>
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet"
href="http://code.jquery.com/mobile/[version]/jquery.mobile-
[version].min.css" />
<script src="http://code.jquery.com/jquery-[version].min.js"></script>
<script src="http://code.jquery.com/mobile/[version]/jquery.mobile-
[version].min.js">
</script>
```

jQuery Mobile

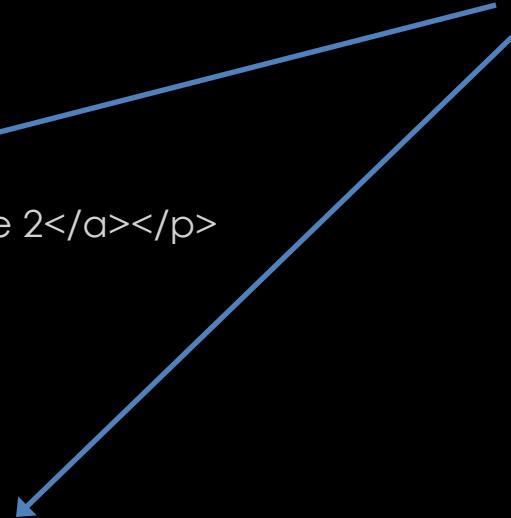
```
<body>
<div data-role="page">
    <div data-role="header">
        <h1>My Title</h1>
    </div><!-- /header -->
    <div data-role="content">
        <p>content should be here</p>
    </div><!-- /content -->
<div data-role="footer">
    <p>footer</p>
</div><!-- /footer-->
</div><!-- /page -->
</body>
</html>
```



jQuery Mobile

```
<section data-role="page" id="page1">
  <header data-role="header">
    <h1>This is page one</h1>
  </header>
  <section data-role="content">
    <p><a href="#page2">Link to page 2</a></p>
  </section>
  <footer data-role="footer">
    <p>footer</p>
  </footer>
</section>
```

internal linking



```
<section data-role="page" id="page2">
  <header data-role="header">
    <h1>This is page two</h1>
  </header>
  <section data-role="content">
    <p><a href="#page1">Link to page 1</a></p>
  </section>
```

jQuery Mobile Page Transitions

Page Transitions

Slide

Slideup

Slidedown

Pop

fade

flip

```
<li><a href="2.html" data-transition="flip">example page</a></li>
```

jQuery Mobile Page Transitions

Some browsers have issues with jQM page transitions

Workaround:

```
.ui-page { -webkit-backface-visibility: hidden; }
```

jQuery Mobile Events- JQM8_events.html

Touch events

tap

taphold

swipe

swipeleft

swiperight

Orientation change event

orientationchange

Page show/hide events

pagebeforeshow

pagebeforehide

pageshow

pagehide

Page initialization events

pagebeforecreate

pagecreate

jQuery Mobile Resources



Plugins Contribute Events Support jQuery Foundation



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Resources

In this section, we have gathered useful resources that will help you learn more about jQuery Mobile, find tools to develop jQuery Mobile application designs and mockups, tutorials and tools to guide you through the development of simple or more complex applications and related articles.

[Featured sites](#) | [Books](#) | [Apps & Frameworks](#) | [Plugins](#) | [Extensions](#) | [Tools](#) | [Themes](#) | [Articles & Tutorials](#)

Featured jQuery Mobile sites from jQMGallery.com

You will find below a great sample collection of Mobile sites built with jQuery Mobile. More examples can be found in the [jQM Gallery](#).

jQuery Mobile Design

User Interface System

Mobile Web Applications

HTML5 based

One single app or site

All popular mobile device platforms

Tested on a large set of devices and platforms

jQuery Mobile Design

easy to use

- Semantic markup

- Use regular HTML with data--* attributes

flexible

- Themes

- CSS styles

- Scripting

jQuery Mobile

JQM_datarolls.html

simple page

header - data-role="header"

Footer - data-role="footer"

Content - data-role="content"

jQuery Mobile

JQM3_pages.html

Dialog - data-rel="dialog"

Back button - data-add-back-btn="true"

jQuery Mobile

JQM4_listviews.html

Listviews typically used for navigation between pages

 and elements

Listviews- data-role="listview"

inset appearance: data-inset="true"

data-filter="true"

Listheaders

– data--divider--theme (on the element)

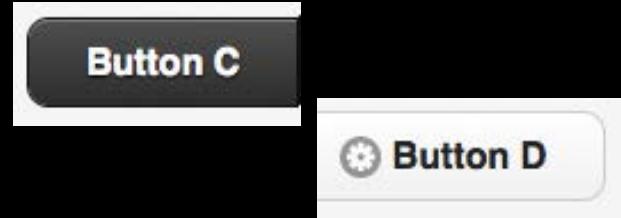
Divider - data-role="divider"

7

JQM5_buttons.html

Buttons

```
data-role="button"  
data-inline="true"  
data-theme="a"  
data-icon="gear"
```



```
<div data-role="controlgroup" data-type="horizontal">
```

jQuery Mobile

JQM6_formelements.html

Forms

regular HTML5 Forms

styling

- data-role="fieldcontain"

Group a set of controls

- data-role="controlgroup"

jQuery Mobile

JQM6_formelements.html

Forms

Search - <input type="search" name="search" id="search" value=""

/Textfield -<input type="text" name="name" id="plain"
placeholder="Hidden Label"/>

Radio button - <input type="radio" name="radio" id="radio1"
value="1" checked="checked" />

Checkbox - <input type="checkbox" name="checkbox-1"
id="checkbox-1" />

Slider - <input type="range" name="slider" id="slider" value="75"
min="0" max="100" step="5" data-highlight="true" data-
mini="true" />

jQuery Mobile

JQM6_toolbars.html

Navigation bar - data-role="navbar"

Transitions between pages

data-transition="slide"

Different transition types (pop, slide, etc)

JQM7_content_formatting.html

Collapsible menu

```
<div data-role="collapsible">  
  <h3>Header</h3>  
  <p>Content</p>  
</div>
```

Navigation

jQuery Mobile includes a navigation system to load pages into the DOM via Ajax, enhance the new content, then display pages with a rich set of animated transitions.

AJAX – Asynchronous JavaScript and XML

Client side technique that allows the browser to make a request to the server “behind the scenes” without changing the URL of the page and without blocking the UI while loading.

Hijax

jQuery Mobile makes AJAX requests between page navigations, requesting the whole target HTML document as plain text for later parsing while still having a normal HTML link in the markup.

This pattern is known as Hijax

it includes the use of progressive enhancement techniques to make it work

jQuery Mobile transitions

<http://demos.jquerymobile.com/1.4.5/transitions/>

test

try

jQuery Mobile Lab

Comes with implemented styles

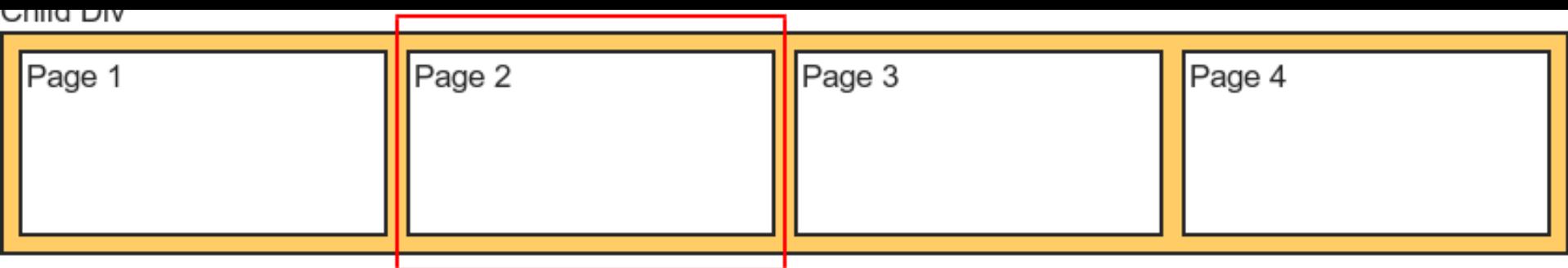
Designers have their own styles

Goal: implement scripting in our custom web pages
without changing our styles

Sliders

only one page is visible

Touch in order to move between pages



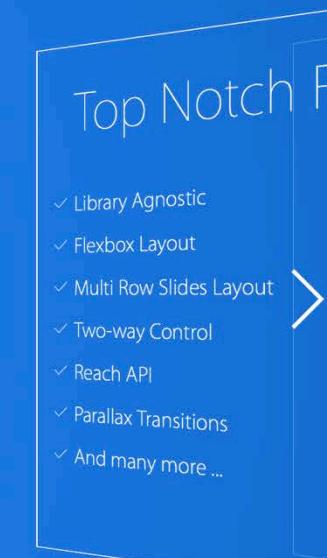
Sliders

Swiper

www.idangerous.us/swiper/



The screenshot shows the official GitHub page for Swiper. It features a large white circle containing a blue stylized 'S' logo with the word 'swiper' written vertically next to it. To the right of the logo, the word 'Swiper' is written in a large, bold, sans-serif font, followed by the subtitle 'Most Modern Mobile Touch Slider' in a smaller font. Below this, the text 'by iDangerous' is visible. At the bottom of the main content area, there is a note about the license: 'MIT Licensed, v3.3.0 released on January 10, 2016 | Changelog'. Below this note is a horizontal navigation bar with five items: 'Download', 'Get Started', 'API', 'Demos', and 'Forum'. At the very bottom of the page, there are two GitHub social icons: 'Star' with the number 7,107 and 'Fork' with the number 2,663.



A vertical sidebar on the right side of the GitHub page, enclosed in a light blue border. The title 'Top Notch Features' is partially visible at the top. Below the title, a list of features is presented with checkmarks: ✓ Library Agnostic, ✓ Flexbox Layout, ✓ Multi Row Slides Layout, ✓ Two-way Control, ✓ Reach API, ✓ Parallax Transitions, and ✓ And many more ...

Sliders

Swiper

www.idangero.us/swiper/ > download

Test

Try