



muracon2011



I'm Steve Withington

- **Application Engineer at Blue River Interactive Group**
- **CFML Programmer & CF.Objective() Advisory Board Member**
- **...but I'm also a Front-End Developer**
- **Worked at a Design Agency prior to joining Blue River**
- **Started using Mura CMS in 2008**
- **Worked on yachts in a previous life**

The Mobile Experience in Mura CMS

- Out-of-the-box support of alternate presentation & alternate content for mobile devices
- Uses a single template based on the jQuery Mobile library
- What's jQuery Mobile?



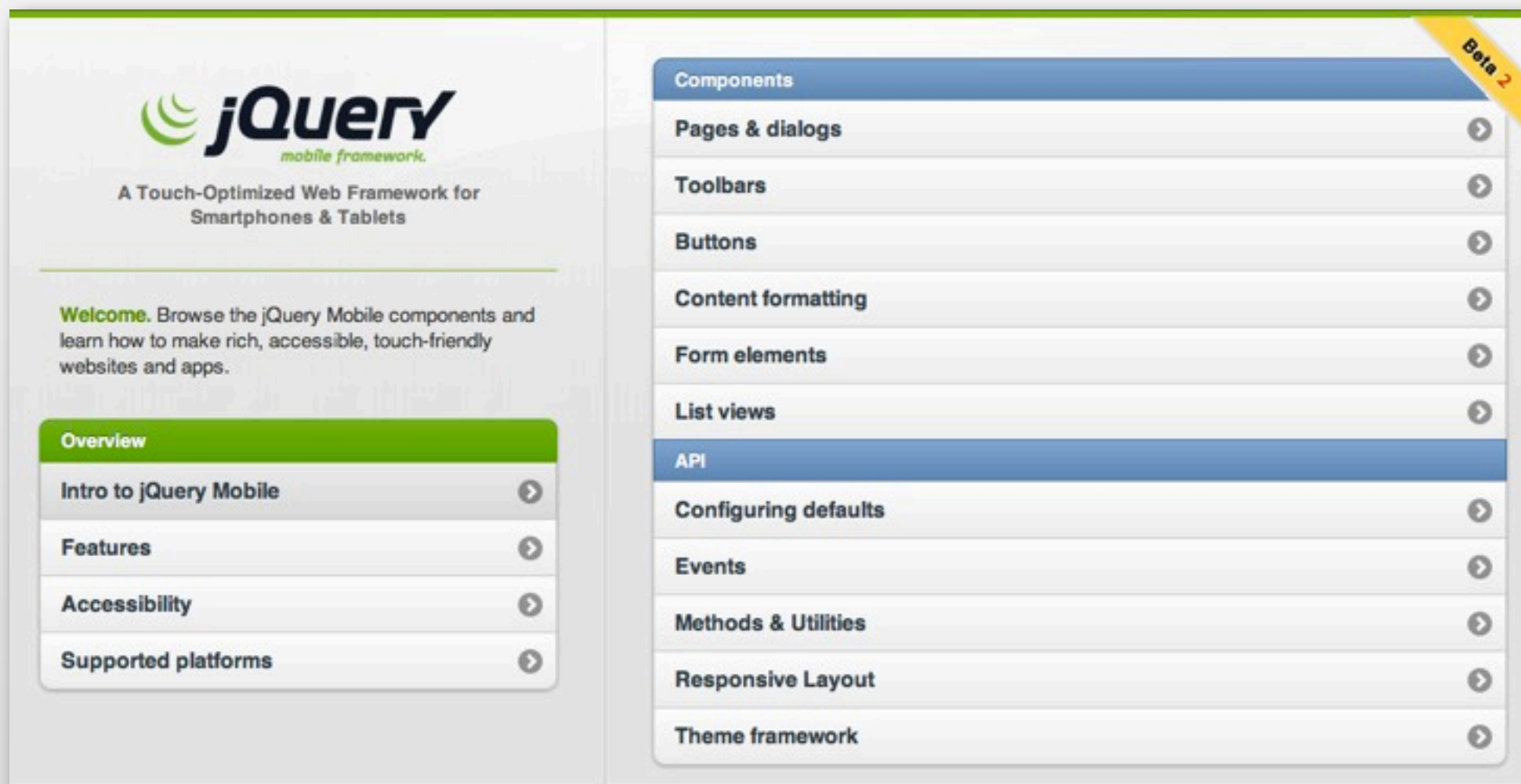
- **Built on jQuery core** for familiar and consistent jQuery syntax and minimal learning curve
- **Compatible with all major mobile & desktop platforms** - iOS, Android, Blackberry, Palm WebOS, Nokia/Symbian, Windows Mobile, Opera Mobile/Mini, Firefox Mobile and all modern desktop browsers.
- **Lightweight size** (~20k compressed for all mobile functionality) and minimal image dependencies for speed.
- **HTML5 Markup-driven configuration** of pages and behavior for fast development and minimal required scripting.
- **Progressive enhancement** approach brings core content and functionality to all mobile, tablet and desktop platforms and a rich, installed application-like experience on newer mobile platforms.





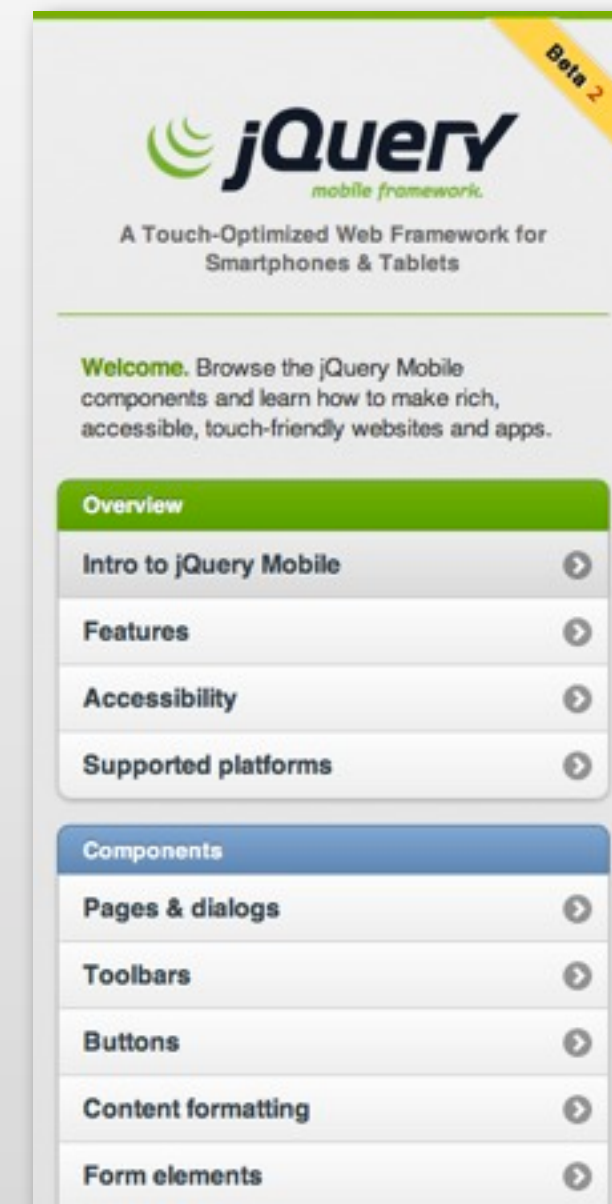
- **Automatic initialization** by using HTML5 data-role attributes in the HTML markup to act as the trigger to automatically initialize all jQuery Mobile widgets found on a page.
- **Accessibility features such as WAI-ARIA** are also included to ensure that the pages work for screen readers (e.g. VoiceOver in iOS) and other assistive technologies.
- **Touch and mouse event support** streamline the process of supporting touch, mouse, and cursor focus-based user input methods with a simple API.
- **UI widgets enhance native controls** with touch-optimized, themable controls.
- **Powerful theming framework** and ThemeRoller application make highly-branded experiences easy to build.

Tablet



The tablet view of the jQuery Mobile website features a wide layout. On the left, there is a sidebar with a green header 'Overview' and a list of links: 'Intro to jQuery Mobile', 'Features', 'Accessibility', and 'Supported platforms'. The main content area on the right has a blue header 'Components' and a list of links: 'Pages & dialogs', 'Toolbars', 'Buttons', 'Content formatting', 'Form elements', 'List views', 'API' (highlighted), 'Configuring defaults', 'Events', 'Methods & Utilities', 'Responsive Layout', and 'Theme framework'. A yellow 'Beta 2' banner is in the top right corner.

Phone



The phone view of the jQuery Mobile website is a narrow, vertical layout. It features a green header 'Overview' with links to 'Intro to jQuery Mobile', 'Features', 'Accessibility', and 'Supported platforms'. Below this is a blue header 'Components' with links to 'Pages & dialogs', 'Toolbars', 'Buttons', 'Content formatting', and 'Form elements'. A yellow 'Beta 2' banner is in the top right corner.

How does this work in Mura?

- Looks for the word “mobile” in the user-agent string
- Used to use the script from detectmobilebrowsers.com, but we saw false positives in the wild
- Looking forward to CF X’s mobile detection
- Sets the “mobileFormat” cookie to “true”
- Serves “mobile.cfm” template (assuming it exists)
- “mobile.cfm” includes jQuery Mobile library (but...you don’t have to use it)
- Serve alternate content via extended attributes: “mobileBody” Text Field, “hasMobileBody” true/false (radio, dropdown, whatever)

Other things to know

- All lists are output as ``'s for compatibility with jQuery Mobile...but you can use this for anything (enable in `contentRenderer.cfc`)
- Secondary Navigation displays at bottom of page and shows immediate children
- Desktop version toggle link included
- Customize CSS for brand-specific or additional style

DEMO

MuraMobile Plugin

What is it?

- Third-Party Mura CMS plugin
- Created by Guust Nieuwnhuis
- Allows the assignment of a mobile-specific theme
- <http://www.github.com/lagaffe/mobilemura>
- <http://www.lagaffe.be/mobilemura>

MuraMobile Plugin

Why is it?

- Extend mobile presentation beyond the single mobile.cfm template
- ...including markup & business logic

MuraMobile Plugin

What can you do with it?

- Multiple templates
- Custom display objects
- Additional, mobile-specific methods via theme-specific `contentRenderer.cfc`
- Additional, mobile-specific resource bundles

MuraMobile Plugin

How do you use it?

- Download it from Mura Marketplace, GitHub, RIAForge
- Install it
- Assign mobile theme
- Customize mobile theme

DEMO