

A New Look at Extending HTML5 Targets with jQuery

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In this presentation, I will demonstrate how you can use jQuery to enhance HTML5 targets. We will discuss how MadCap Flare uses jQuery, how to customize MadCap's plugins, where to find additional plugins, how to customize them, and how to add new plugins to Flare. We will also review new, cutting-edge examples of HTML5 targets using jQuery plugins.

Overview

- What is jQuery?
- How Flare uses jQuery
- How to use jQuery plugins
- How to customize jQuery plugins
- Examples
- Where to find jQuery plugins
- Sample project

What is jQuery?

- Most popular JavaScript library (used by 72% of top 10 million websites)
Released in 2006
- Simplifies scripting by supporting additional scripts called “plugins”
- Used in Flare's HTML5 targets

How Flare uses jQuery

Anything that requires interactivity:

- TOC, index, glossary, search
- Dropdown, toggler, expanding links
- Popups
- Responsive layouts
- Slideshows
- Thumbnails

How to use jQuery scripts/plugins

jQuery (already Included with HTML5 targets)

ajax.googleapis.com/ajax/libs/jquery/3.1.1/jquery.min.js

Foundation (already Included with HTML5 targets)

foundation.zurb.com/sites/download.html

jQuery Mobile

ajax.googleapis.com/ajax/libs/jquerymobile/1.4.5/jquery.mobile.min.css
ajax.googleapis.com/ajax/libs/jquerymobile/1.4.5/jquery.mobile.min.js

jQuery UI

ajax.googleapis.com/ajax/libs/jqueryui/1.12.1/themes/smoothness/jquery-ui.css
ajax.googleapis.com/ajax/libs/jqueryui/1.12.1/jquery-ui.min.js

Sample JS link

```
<script src="https://ajax.googleapis.com/ajax/libs/jquerymobile/1.4.5/jquery.mobile.min.js">
</script>
```

Sample CSS link

```
<link rel="stylesheet" href="https://ajax.googleapis.com/ajax/libs/jquerymobile/1.4.5/jquery.
mobile.min.css" />
```

How to customize jQuery scripts/plugins

jQuery plugins can be customized using:

- CSS
- Built-in options (see below)
- Configurators (see www.prismjs.com)

Built-in options example

```
<script>/*!  
$( 'body' ).cookiefy({  
  backgroundColor: 'dimgray',  
  color: 'ghostwhite',  
  fontFamily: 'Helvetica',  
  fontSize: '1rem',  
  borderTop: '1px solid #000'  
});  
/*]]>
```

Examples – enhancing Flare

I will demonstrate the following plugins/scripts I've developed to enhance Flare HTML5 targets:

- autoDropDownFlare
- menuToggleFlare
- prismCopyFlare
- tagCloudFlare
- whatsNew

Examples – adding features to Flare

I'll demonstrate using the following plugins in HTML5 targets:

- jqueryTOC: projects.jga.me/toc
- Magnify: thdoan.github.io/magnify
- readingTime: github.com/michael-lynch/reading-time

- stickUp: lirancohen.github.io/stickUp
- stickyHeader: tympanus.net/codrops/2014/01/09/sticky-table-headers-columns
- table2Excel: github.com/rainabba/jquery-table2excel
- tableExport: github.com/clarketm/TableExport

Where to find jQuery plugins

- plugins.jquery.com
- www.jquery-plugins.net
- www.jqueryrain.com
- www.unheap.com

Sample project

I have created a sample project to demonstrate the plugins. You can download it at: goo.gl/ahO49T

About the presenter

Scott DeLoach is the Founder of Click**Start**, where he provides training and consulting for MadCap Flare, embedded user assistance, JavaScript/jQuery, CSS, and HTML5. He has been developing browser-based help systems for 20+ years, and he has received four Best in Show awards for his work from STC.

Scott is a certified Flare and Doc-to-Help instructor, and he is the author of *MadCap Flare 2017: The Book*, *CSS to the Point*, *HTML5 to the Point*, and *Word 2013 to the Point*. For more information about Scott's books see www.lulu.com/clickstart.

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