

WEEK 9: INTRODUCTION TO JQUERY

INFO/CS
1300: Fall
2016

COURSE MAP

Topic Area	Dates	Goals	Assignments
Introduction and Infrastructure	8/24 – 8/26	1-5	All
HTML & Structure	8/29 – 9/9	1,2	Brief Assignments
CSS & Presentation	9/12 – 9/30	2	
Client-Side Scripting: JavaScript & jQuery	10/3 – 10/21	3	
Server-Side Scripting: PHP	10/24 – 11/4	3	
Basic User Testing	11/7 – 11/18	4	Final Project
Taking a Site Live	11/21 – 12/2	1-5	

AGENDA

- Background on jQuery.
- Basic jQuery demo.

BACKGROUND TERMS

- **Library:** shared code that can be used by applications to avoid duplication. Examples:
 - `stdio.h` in C.
 - `math` in JavaScript.
- **DRY (Do Not Repeat Yourself):** Use existing code when possible.
- **API (Application Programming Interface):** Methods that allow an application to interact with a library or object. Examples:
 - Google Maps.
- **Open Source:** the source code may be altered by the user.
 - OSS.
 - FOSS.
- **CDN (Content Distribution Network):** allows loading of code library from remote source.

SO, WHAT IS JQUERY?

- jQuery is a free, open-source JavaScript library and API that are meant make client-side scripting easier.
- jQuery has been maintained by the jQuery Foundation (<https://jquery.org/>).
- The jQuery Foundation is becoming the JS Foundation, and will work with more than jQuery.
- Best known for visual effects.
- Key part of rise in JavaScript's prominence.

JQUERY TERMS

- **`$()`: shorthand for `jQuery()`; function. Example:**
 - `$(".up").hide();` hides all HTML elements of class `up`.
- **this: a keyword that refers to the currently active object.**
 - In jQuery, that is the current DOM object.
 - Has similar meanings in other languages, but doesn't have to refer to the DOM.
 - Example: `$(this).next().show();` shows the next child of the current DOM element.
 - Follows a statement like `$("#fables > h3")`, which would select all of the `h3` elements that are inside a div named `fables`.

PLEASE DON'T DO THIS!



Image from: <http://animatedfilmreviews.filmsinspector.com/2012/12/a-charlie-brown-christmas-1965-good-man.html>