1. Using jQuery and Plug-ins for Enhanced User Interfaces

Topic

The goal for our next two weeks together is to refine our skills using JavaScript in limited, but powerful, ways with the help of the jQuery library and contributed jQuery plug-ins. With your midterm project behind you, our focus will be on self-contained assignments for this week and next.

In this module, we will continue investigating the world of the JavaScript-based jQuery library, with a focus on using the basics of jQuery as well as jQuery plug-ins to add new user interface elements to any Bootstrap-powered site. *These plug-ins are not part of the specific jQuery UI library, but represent other third-party plug-ins that offer you in-the-page visible user interface elements.*

Special Web Development Topics

This week also introduces a new thread to the tapestry of Web development knowledge we are weaving together this term. Beginning now in Week 9 and continuing through the rest of the term, we will look at and discuss Web development topics in addition to the coding of HTML, CSS and JavaScript. A complete Web development education includes discussions of process, design, and human factors to name a few of the topic areas we will explore over the coming modules.

Illustration by Kevin Corn

Responsive Web Design

by **Ethan Marcotte** · May 25, 2010

(http://alistapart.com/article/responsive-web-design)

Special Topic 1: Responsive Web Design

Participation in the **"Responsive Design" Discussion** **(https://canvas.santarosa.edu/courses/17705/discussion_topics/62356)** is required this week. It is worth 15 points of your total class point score. A full score of 15 points can be earned by posting two or more times before this module closes. Make your first post with your initial thoughts after reading Ethan Marcotte's 2010 article at A List Part titled "**Responsive Web Design (http://alistapart.com/article/responsive-web-design)** ." This is **the** article that gave definition to the process of using CSS Media Queries to control the layout of HTML elements conditionally for different devices. Follow up with a second post responding to your classmates' shared perspectives on Mr. Marcotte's call to build responsive sites.

Objectives

By the end of this week you will be able to...

- Integrate built-in jQuery methods as well as plug-ins with your Bootstrap-based site to add additional advanced user interface elements.
- Develop an understanding and perspective about Responsive Design in dialog with classmates and instructor.