

1. Advanced Techniques for Using jQuery and JavaScript

Topic



As we head into our second week with a focus on refining our skills using JavaScript and the jQuery library, our focus will be on preparing for the upcoming final project that will unfold, week-to-week, over the four weeks following this module.

In this module, we will continue investigating the world of the JavaScript-based jQuery library, with a focus on using the basics of jQuery without plug-ins to manage content in our Bootstrap-powered site's pages.

Special Web Development Topic

Continuing our new thread of Web development knowledge we started last week, we look at and discuss the topics of Design Thinking and human-centered design. This exploration will help prepare us for the design process – practices and techniques – each of you will use in your iterative development of the final project. We will adopt the three phases from the human-centered design methodology introduced this week over the rest of the term. In each of the assignments over the next four weeks, some of the techniques and practices we see this week will be part of your working process.



Some of the practices of human-centered design found at Design Kit, <http://www.designkit.org/methods> [. \(http://www.designkit.org/methods\)](http://www.designkit.org/methods).

Special Topic 2: Design Thinking and Human-Centered Design

Participation in the "[Design Thinking and Human-Centered Design](https://canvas.santarosa.edu/courses/17705/discussion_topics/62976?module_item_id=318711)" Discussion (https://canvas.santarosa.edu/courses/17705/discussion_topics/62976?module_item_id=318711) 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 doing all of the following tasks:

1. View the video introducing "Human-Centered Design" at Design Kit, found at <http://www.designkit.org/human-centered-design> (<http://www.designkit.org/human-centered-design>).
2. Read the brief text found on the page with the video.
3. Review the specific human-centered methods listed in the discussion as well.

Follow up with a second post responding to your classmates' shared perspectives on the ideas and practices of Design Thinking and human-centered design.

Objectives

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

- Integrate simple JavaScript functions using some of the built-in jQuery methods to manage the display of content in a Bootstrap-powered HTML

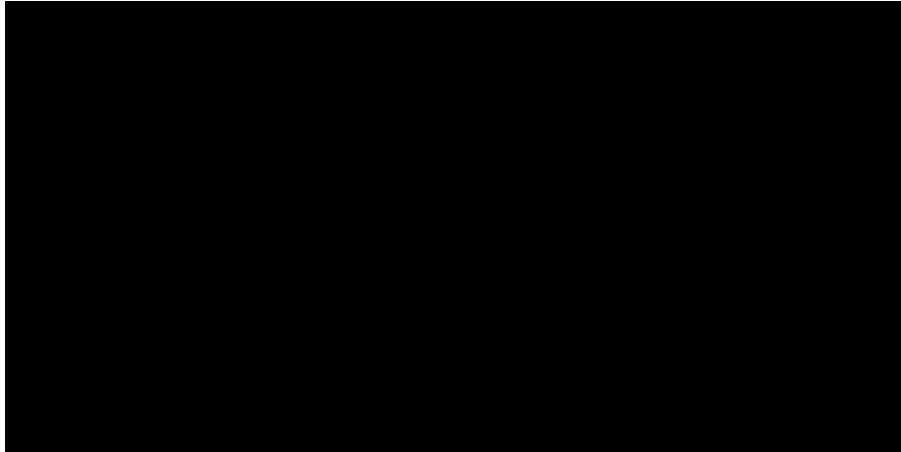
page.

- Develop an understanding and perspective about Design Thinking and human-centered design in dialog with classmates and instructor.

Troubleshooting Your Scripts

Watch this screencast, which discusses techniques for troubleshooting your scripts with the help of the browser's JavaScript or error console. The important order of loading external scripts is also reviewed. The sample code discussed is the Bootstrap Rating plug-in script from Week 9.

Video Screencast



[Troubleshooting Your JavaScript Scripts](#)

<http://ethan.com/src/videos/CS50B Week 10 Troubleshooting Scripts.m4v> (.m4v)