

Hands-On Projects

Hands-On Project 1

In this project, you'll use jQuery to display the elements containing a recipe's ingredients and instructions when a user clicks the associated headers.

1. In your text editor, open the **index.html** file from the HandsOnProject - folder in the folder where your data files are stored. In the comment section, enter your name and today's date where indicated, and then save your changes. Note that the file contains an `article` element, which includes an `h2` heading, an `h3` heading followed by an unordered list, and another `h3` heading followed by a `div`.
2. Open **index.html** in your browser, and then click each of the headings. Notice that only the headings are displayed, and that nothing happens when you click a heading.
3. In your editor, create a new JavaScript file, and save it to the HandsOnProject folder with the filename **script.js**. Add a comment that includes the book name, project number, your name, today's date, and the filename. Save your changes.
4. In the `script.js` file, add the following code to create a new function named `display` that takes a parameter called `event`:

```
function display(event) {  
}
```
5. Within the `display()` function, enter the following jQuery selector to select the `currentTarget` value of the `event` parameter:
`$(event.currentTarget)`
Because this function will be called when a user clicks either of the `h3` elements, this selector references the `h3` element the user clicked.
6. After the selector you entered in the previous step, type `.next()`. This method traverses the DOM tree to the element that follows the selected element—the ingredients list for the first `h3` heading, or the instructions for the second `h3` heading.
7. After the method you entered in the previous step, type `.fadeIn("slow");`
Your completed function should match the following:

```
function display(event) {  
    $(event.currentTarget).next().fadeIn("slow");  
}
```
8. Below the closing `}` for the `display()` function, enter the following statement to create event listeners for the `h3` elements that call the `display()` function when they are clicked:
`$("h3").click(display);`
9. Save your changes to **script.js**, and then in **index.htm**, just before the closing `</body>` tag, add a `script` element that specifies **script.js** as its source.
10. Just before the `script` element you created in the previous step, add a second `script` element that references the **jquery-...min.js** file.
11. Save your changes to **index.htm**, open **index.htm** in a browser, and then click the **Ingredients** and **Instructions** headers. The ingredients list is displayed using the jQuery `fadeIn` animation method after you click the Ingredients header, and the instructions are displayed in the same way after you click the Instructions header.