

Week 9 Tutorial

This tutorial includes Exercise9.1 + Exercise9.2. This tutorial is part of your assessment task 1. Please submit your completed work in ZIP format onto Moodle.

Note: Submit your ZIP file in your respective lecturer's tutorial submission link for marking and feedback.

Exercise 9.1: Utilising JavaScript on social media

Instructions: In this exercise, you will use your text editor to add social media icons to a webpage. You will also add a pop-up message to the webpage. First, you add Facebook and Twitter icons and include a link to each social media website. Next, use JavaScript to create a pop-up message using the `alert()` method. Work with the `exercise09_1.html` file in the `exercise09_1` folder and images files in the `exercise09_1/images` folder which can be downloaded from Moodle Week 9. The completed webpage is shown in Figure 9–1. You will also use professional web development practices to indent, space, comment, and validate your code.

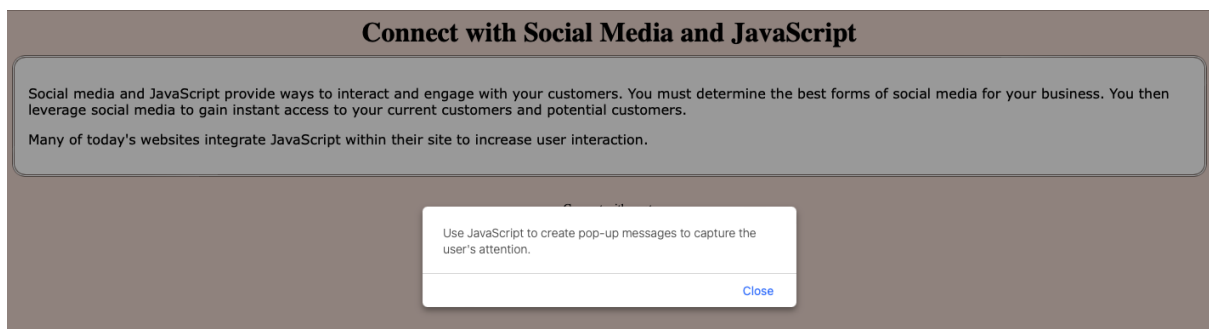


Figure 9-1

Perform the following tasks:

1. Open `exercise09_1.html` in your text editor, review the page, add a title, modify the comment at the top of the page to include your name and today's date.
2. Update the CSS link within the head element to use the CSS file located within the `exercise09_1/css` folder.
3. Insert a **paragraph** element within the footer element that includes the text, **Connect with us at:**.
4. Insert an **img** element to display the Facebook icon contained within the `exercise09_1/images` folder. Include appropriate alt text.
5. Insert an **anchor** element to link the Facebook icon to `facebook.com`.
6. Insert an **img** element to display the Twitter icon contained within the `exercise09_1/images` folder. Include appropriate alt text.
7. Insert an **anchor** element to link the Twitter icon to `twitter.com`.
8. Insert a **script** element within the **head** element.
9. Insert a JavaScript comment within the script element that includes the text, **Function displays alert box**.
10. Insert the following JavaScript code below the comment:

```
setTimeout (function message() {  
    alert("Use JavaScript to create pop-up messages to
```

```
        capture the user's attention.")
    }, 3000);
```

11. Save all of your changes and open the exercise09_1.html in your browser.
12. Validate your HTML document using the W3C validator found at validator.w3.org and fix any errors that are identified.
13. Submit the files in a format specified by your instructor.

Exercise 9.2: Utilising JavaScript to improve a Webpage

Instructions: Work with the exercise09_2.html file in the exercise09_2 folder and images files in the exercise09_2/images folder which can be downloaded from Moodle Week 9.

The exercise09_2.html webpage needs pop-up windows to display larger pictures. First, correct the JavaScript syntax errors on the page. Next, use the `open()` method to display a new window with a picture for the first thumbnail. Then, use the `open()` method to display a new window with a picture for the second thumbnail and a new window with a picture for the third thumbnail. Finally, create new style rules for the figure and `img` elements. Use Figure 9–2 as a guide to correct these files.



Figure 9-2

1. Correct

- a. Open the exercise09_2.html file in your text editor. Modify the comment at the top of the page to include your name and today's date and then link the file to `styles09.css`. Add a title to the page and add your name to the footer element.
- b. Review the JavaScript functions contained within the body element and wrap them in a script element.
- c. Move the script element to the head element.
- d. Open the `styles09.css` file in your text editor and then modify and correct the comment at the top of the document to include your name and today's date.

2. Improve

- a. In the exercise09_2.html file, add an onclick event handler to the first `img` element that calls the function, `cb1`.
- b. In the exercise09_2.html file, add an onclick event handler to the second `img` element that calls the function, `cb2`.
- c. In the exercise09_2.html file, add an onclick event handler to the third `img` element that calls the function, `cb3`.

- d. In the styles09.css file, create a style rule for the figure element to align it center. Include a comment for the style rule.
- e. In the styles09.css file, create a style rule for the img element and specify 1em of padding. Include a comment for the style rule.
- f. Save all of your changes and open the exercise09_2.html in your browser.
- g. Validate your CSS file using the W3C validator found at <http://jigsaw.w3.org/css-validator/> and fix any errors that are identified.
- h. Validate your HTML webpage using the W3C validator found at validator.w3.org and fix any errors that are identified.