

IN-CLASS STUDENT ACTIVITY 4.2: UPDATE THE UI BY USING JAVASCRIPT

Lesson Objective 4.2:

Update the UI by using JavaScript.

Resources, software, and additional files needed for this lesson:

1. Microsoft® Expression® Web 4 (preferred) or Notepad (Notepad++ is preferred; it provides real time feedback for writing JavaScript. It can be downloaded at: www.notepadplusplus.org).

Guiding questions:

1. How can JavaScript change the appearance of a web page?
2. What events can be used to trigger a JavaScript function?

Student activity:

Directions to the student:

Read the following scenario and answer the questions. Verify your answers with the instructor.

Scenario:

Diane Forsyth's friend teaches students ages five to seven years. She created a website that helps students practice mathematics. It is working so well that she wants to add a new activity that teaches students to read the names of colors. When a student presses a button with the word "RED" on it, the background page color should change to red.

Content:

1. Create an HTML page.
2. Add a button for each color of the rainbow. For each button, add an onClick trigger to the JavaScript function to change the background color.
3. Add a JavaScript function to the <head> section to execute when the user presses any of the buttons. (Be sure to add a variable to represent the color to be used for the background.)
4. Test the page.