

Lab 4 – JavaScript

The goal of this assignment is to give you more experience working with JavaScript for form validation and dynamic displays.

Requirements:

1. Create an interactive quiz builder application using JavaScript.
 - a. Create an html page that allows the user (teacher) to build a series of questions that will make up a quiz. The user should be able to build any number of questions, not just a 10 question quiz.
 - b. Allow the user to select a type of question (multiple choice, true/false, or short answer) using a drop-down box.
 - c. Allow the user to enter the answer.
 - d. Allow the user to enter the point value for the question.
 - e. Save the quiz to local storage, so the user to take the quiz at a later date.

2. Create the quiz using JavaScript.
 - a. Create a separate html page that allows the user to take the quiz that was previously built.
 - b. The quiz should display one question at a time and use a mixture of form controls (textboxes, radio group, select/list menus, etc...) based on the type of question.
 - c. The page should show the results of the quiz which must include the grade earned on the quiz, the answers entered by the user, whether the user got the question correct or incorrect, and the correct answers.
 - d. Provide input validation where necessary.

3. Also, you need to use CSS to style the page and make it look professional and attractive.

4. Remember to add a section to the labs.html page created in Lab 1 for this lab.
 - a. Include a description of what you learned, what elements you liked/disliked, and a link to the page you created for Lab 4.