

JavaScript Introduction

Create a web page with a form that has four text input boxes and a button that says “calculate.”

Similar to the example given in class, write a program where you can input four grades into the four text boxes. The boxes should be properly labeled so the user knows what grade they are entering in each box. The boxes are:

- Test 1 Score
- Test 2 Score
- Homework Average
- Final Project Average.

When the user presses calculate, a JavaScript function should get all four scores and calculate a final grade using the formula in the syllabus for this class. You may assume the user will only enter digits into the boxes. In other words, the user will not enter 90.3 or 90% or “dog.”

Output the final grade score into the webpage with the text, “Your final grade in the class is: xx.x%” where xx.x is the actual final grade number.

Use your HTML and CSS skills to format the page so it looks user friendly and is mobile first.

Your grade will be determined by all of the following:

- Correct JavaScript
- Correct calculations
- Web page style and UX
- Mobile first design

Suggestion: Get comfortable with Stackoverflow. Google questions like you would in class, for example, “how do I convert a string to an integer in JavaScript?” Google will return a result for Stack Overflow (it always does) and for W3 Schools (unfortunately). Go to the Stackoverflow link and read the answers and the comments. Learn from other developers. You are not forbidden from W3Schools or similar clickbait sites, but it is highly discouraged.