

## GLA 1: JavaScript Essentials

### OBJECTIVE

In this Graded Learning Activity, you will explore some of JavaScript essentials: variables, functions, HTML manipulation, CSS manipulation, and input validation. Learning how to explore the documentation and understanding how these methods work is an essential part of this activity. Learning how to declare the correct variables and proper variable naming is also a part of this activity.

### TASKS

Download the starter code and work on the JavaScript file only. Do not edit the HTML or CSS.

In your JavaScript file, add your name and student ID as a comment in the first lines.

Every step is to be completed using JavaScript code only:

1. Display your full name inside of an H1 element. Use a variable to store your name.
2. Make your name center-aligned and change its color to #AA0061.
3. Append two input elements and one button. When the button is clicked, display the sum of the two input elements on the page. Do not use alert or console. Your result must be displayed on the page.
4. Validate the values in the input fields. The input should only accept numbers. If the input is not a number, set the input box's borders to color #D40404.
5. Add style to at least two other elements in your page.

### Submission

Submit your GLA inside of a .zip file to GLA 1's Dropbox in D2L.

The .zip file should contain 3 files:

1. HTML
2. CSS
3. JavaScript

### Grading

Each step is worth 5 marks. This GLA is graded out of 25 total marks.