Assignment 3: JavaScript

The assignment

Build a web page that uses JavaScript and Bootstrap that accepts, manipulates, and shows numeric values. In particular, the page should have a place for the user to enter any number of integers, a drop-down menu of manipulations, and a place to show the results.

Details

(1)   You might want to use the `split()` function to separate the numbers that the user enters.

(2)   You should verify that the user has only entered integers.

(3)   The required operations are minimum, maximum, sum, product, average, standard deviation, median, sort, reverse sort.

(4)   There are several required elements that you must use somewhere on your page: shadow, tooltip, animation, Bootstrap grid system, responsiveness to different-sized devices.

(5)   You may design your page however you like; especially nice designs get extra credit. You will not lose credit for terrible designs.

(6)   You may use fancy features such as modals for extra credit.

(7)   Your web page must not communicate with any web server.

(8)   You will not be graded on the quality of your algorithms, but you will be graded on your use of JavaScript.