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**Web Programming Competition - Round 1**

**Some general rules to remember:**

* This competition is open to any current college students. While you don’t have to attend UF or Santa Fe, you must be able to attend the final in Gainesville, FL in order to be considered.
* The contest is not open to any current or past interns or employees of either 352 Media Group or Grooveshark. Same goes for family members. Sorry, Mom.

The first round consists of this written skills test. Simply complete the test to the best of your ability and email the attachment back to this address. Entries must be sent to pvr(at)352media(dot)com by 11:59pm on October 25th. Finalists will be selected by our expert panel of judges from 352 Media Group and Grooveshark and will be invited to the live finals on November 1st at the Reitz Union on UF’s campus. We will invite the top performers to the live finals based on their first round scores where prizes will be awarded to the winners.

We highly encourage you to complete the skills test on your own without looking up resources online. While we obviously cannot police that for this round, it will be very obvious at the live event who cheated on the first round, as there will be no Internet access allowed during the finals.

**Task:**Using only javascript and html please create a simple calculator that contains the following:

Text field: This is where the user will enter numeric values.

Text: Displays the current result of the arithmetic

Multiply button: Pressing this button will multiply the next value entered with the current result.

Divide button: Pressing this button will divide the current result by the next value entered.

Add button: Pressing this button will add the next value entered to the current result.

Subtract button: Pressing this button will subtract the next value entered from the current result.

Equal button: Updates/Provides the current result

**Guidelines:**

1. javascript frameworks such as jquery are prohibited
2. Plugins and external references are prohibited
3. Be sure to round off any overflows
4. All fraction results are to be displayed in decimal format

**Extra Credit:**

1. Create a simple numeric keyboard (0-9) that will allow the user to enter the numeric value with a click of a mouse.
2. Create a numeric validator to check that the value being applied is of a numeric type.