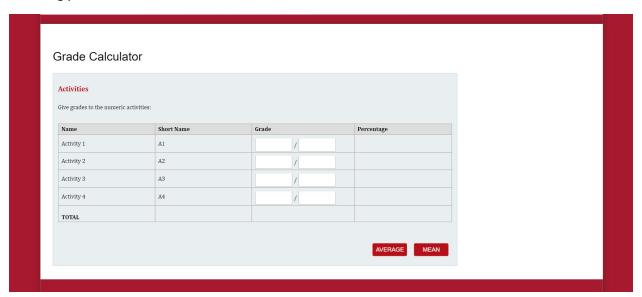
Part A - HTML/CSS:

Create two a file called "calculator.html" and "calculator.css" to recreate (as close as possible) to the following picture:



You may make any reasonable guesses on fonts, colors and measurements.

Part B - Javascript

Create a file called "calculate.js" that will calculate the grade percentages for each Activity. The Percentage for each activity should be displayed under the "Percentage" column. For example:

A1 70/100, A2 20/80, A3 10/10:

The corresponding columns should be

70%, 20%, 100%

In addition, the system should also allow users to choose to produce a calculated "Mean of grade" or "Average grades". The result should be displayed in the "Percentage" column in the row labeled "TOTAL" in the above picture. Here are the calculations:

Mean of grades

The sum of all grades divided by the total number of grades

A1 70/100, A2 20/80, A3 10/10:

$$(0.7 + 0.25 + 1.0)/3 = 0.65 \rightarrow 65/100$$

Average grades

The sum of all grade values divided by the sum of maximums from all aggregated items.

A1 70/100, A2 20/80, A3 10/10:

$$(70 + 20 + 10)/(100 + 80 + 10) = 100/190 = 0.526 \rightarrow 52.6/100$$

Assignment 1 (Due: June 24) - version 0.0

Hint: You may want to consider Javascript functions

onclick()
getElementsByTagName()
getElementsByName()

*Note: These are minimal requirements; you are to add more of your own requirements for "creativity" marks. Consider what a user of this system may also be interested in. If in doubt, please feel free to ask any either the TA or myself ©

Marking Scheme:

Part A -

5 marks: The colors, fonts, and spacing should follow the picture as much as possible.

Part B -

10 marks: The correct values should be calculated. 7 marks: Creativity, Usability, and added features.