Assignment 7 - 100 points

CIS 115 – Spring 2015

Due Monday, 5/26 by Midnight

1. [100] Create a new page called localStorage.html to create a simple calculator containing:
   a. (10) Two text fields (i.e., input tags of type “text”) initially blank.
   b. (10) A dropdown HTML element between the text fields containing the following symbols as options: +, -, *, and /.
   c. (5) An equal sign (=), followed by an output text HTML element (such as a span or div) with an initial value of 0.
   d. (25) As the user enters text in either text field, perform the appropriate calculation, and update the output text field. Only perform a calculation if both fields contain valid numbers.
   e. (15) Create a JavaScript class/object to store the data (input field one, input field two, operation)
   f. (10) After each successful operation, update localStorage with the updated JavaScript class/object. Hint: you’ll need to use JSON.stringify().
   g. (25) Check local storage when the page loads. If the class/object exists, set all of the fields according to the saved values, perform the calculation, and display the calculation. Hint: you’ll need to use JSON.parse().

2. [+10] (Extra credit) Expand your simple calculator to remember past calculations, and to display those past calculations in order below your calculator. Your calculator memory will also need to be saved and restored from localStorage.

3. Upload your files to Blackboard (under Assignments ---> Assignment 7).