CS 380

Lab 4
Javascript and HTML

In this lab you will create a couple of web pages with forms and javascript.

Part 1: A countdown timer.

Create a web page to provide a countdown timer.
The web page must have
- a text box into which the user can enter the number of seconds that the countdown time should run
- a button to start the countdown
- a text element showing the countdown in progress.

When the countdown completes, do something amusing. For instance, change the background color of the entire page or show the image of a star. Like I said, be amusing.

Part 2: Mucking about

Create a web page with a form (as below) and at least 2 elements that are not part of the form (I call these e1 and e2)

The form should have the following elements:
1. A text box that takes arbitrary text. (I call this box1)
2. A text box that takes a number (I call this box2)
3. A button

When the user types characters into box1, e1 should be updated to contain the exact contents of box1, but only on every fifth character entered into box 1. Note that back spaces count as characters. It is not when the input length is a multiple of 5, it is every fifth keyup event.

Users enter number into box2. Nothing happens as the user types in box2. When the user hits the button, the the contents of box1 are copied the number of times of the number in box2 into e2. In addition, into e2 should be put the count of the number of times that the button was hit. So, for instance, if box1 contains "abc" and box2 contains 3, then the first time you hit the button then e2 should get the content "1abcabcabc". Hit the button again, changing nothing else and e2 will have "2abcabcabc". Change box1 to "ab" and hit the button again and e2 will have "3ababab".

If you are unsure about what exactly do do, make something up that you believe is at least mostly consistent the instructions above. Whatever you do for part 2 try to include handling of keyup and onclick events. Also the code should do some replacement of text in the page.

What to Hand In:
URLs for parts 1 and 2 to gtowell380@cs.brynmawr.edu