Winter ’13 CIS 115 Assignment 1 – 110/100 points – Due Friday, 1-18, 11:59 PM

1. [40] Using a text editor, create a simple index.html home page for yourself consisting of:
   
   - a. (5) HTML5 <!doctype> and <meta> tags specifying the document as HTML and the character set as “utf-8”.
   - b. (5) A title (i.e., using <title> tags).
   - c. (10) A centered paragraph describing yourself.
   - d. (10) An unordered list of links to the courses that you’re currently taking. You may link to www.uoregon.edu for courses without web pages.
   - e. (10) A link to your favorite course. Again, you may link to www.uoregon.edu if necessary.

2. [30] Modify your index.html from part 1 to randomly select one of your current course links to be displayed as your favorite course (i.e., part e above should no longer be specified by static HTML, but rather should be modified dynamically by JavaScript). There are several ways to do this, but you’ll likely want to use the Math.floor() and Math.random() functions. You can then use a conditional statement to select a link based on a random integer or store your class links in an array and select a link by based on a random index.

3. [30] Create a JavaScript test page jsTest.html. Add a <script></script> element to the <head> section of the page which first selects a random integer between 1 (inclusive) and 200 (inclusive) using the Math.random() function. Your code should then write each integer from 1 up to (but not including) the random integer to the page except for the numbers 25, 75, and 125, which should be spelled out (i.e., “twenty five”, “seventy five”, “one hundred and twenty five”). You’ll need to use a While loop or For loop for iteration and a conditional statement to print the special cases. Each integer (or word) should be separated by a blank space. For example, if the random integer is 126, your page should contain:

   1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 twenty five 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 seventy five 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 one hundred and twenty five

4. [+10] (Extra credit) Modify your page from part 3 to also select a random starting integer between 1 (inclusive) and the random ending integer as selected above (inclusive). All integers between the starting index (inclusive) and the ending index (exclusive) should then be printed as stated above. If the starting and ending integers are equal, nothing should be printed to the page. For example, if the random ending integer is 126 and the random starting integer is 76, your page should contain:
Upload your files to Blackboard (under Course Documents -> Assignment 1).