## Lab 2 **Online Researches and Web Design**

(**Due BY: 12/8/Wednesday/2010. NO Late-submission will be accepted**)

| Your name: | Grade: |
| --- | --- |
|  |  |

**Important notice** about this lab:

- The lab consists of **two** different portions:
    - (**75 points**) On-line searches/researches for your "Lab/Writing/Presentation Assignment" (see the course syllabus).
    - (**125 points**) Simple Web Design (related with Javascript, HTML, and HCI).
        - You may get **up-to 100 bonus** points for your excellent Web design.
    - (This lab and Lab 1 constitute the "Lab, Writing and/or Presentation" part of the coursework defined in our syllabus.)
- **Submit your work at MOODLE**.—how to use Moodle?
    - Log onto http://moodle.salemstate.edu/ with your Navigator username and password➔ "Fall 2010" ➔ "Page….3.." ➔ "CSC215_01_2106_1775" ➔ "Assignments" ➔ "Lab2_Online_Researches_and_Web_Design…"

**Part one: On-line searches/researches**

- Find **3** articles/papers in the area of Computer Science/Engineering through one of the following links:
    - http://www.salemstate.edu/library/3826.php
    - http://cs.salemstate.edu/~b_yi/ (Under "Pointers", on the last line, there are a few links)
    - (You *are required to find papers/articles through these links*! And you will need to use Internet connections on the Campus!!)
    - (You may use the following key words/phrases to narrow your searching for journals, magazines, paper titles: Interactions, HCI (or CHI), Programming, Programming Languages, Graphics, Computer Graphics, Games, Interacting, Multimedia, Communications, Internet, Network, Robotics, Visual, Embedded, Computer Vision, Software,….)
- Submission: for *each* of the papers, you need to provide:
    - Its journal/magazine title, volume/issue number, publication date,
    - The author(s)'s names, and
    - Brief description of the paper *in your own words* in one paragraph (3 lines to half a page).

**Part two: Simple Web/Homepage Design**

Use lecture/web resources (from the course website) to prepare a simple web biography about yourself.  You should have a title, two section headings, two short paragraphs, two radio buttons, and image rollover.

- The first section heading and paragraph will tell us something about where you are from.
- The second will tell us something about your educational background (from elementary, middle, and/or high … college schools).
- The two radio buttons will provide fun facts.
- Using at least 2 images for rollover (a simple example can be found at http://cs.salemstate.edu/~b_yi/2010Fall/CSC215/resources/Javascript4Beginners/index.html)

Sample HTML and JavaScript is provided in the lecture notes.  Use it to prepare your HTML files using an editor such as Notepad, WordPad, or H&L-HTML Editor (available from the course website).  Your instructor will test your code using Mozilla Firefox.

- This lab is *not only about the use of Javascript and HTML, but also related to the HCI/User-Interface design issues*. So your homepage should look ***nice*** for you to get a higher score for this lab!

A sample outline is given below.  Yours should provide a few more details and actually work.

**About Chuck**

**Origins**

Chuck was born in Royal Oak Michigan and he went to high school with Madonna.

**Education**

Chuck was educated at Michigan Technological University, Purdue University, and the Yale University Divinity School.

Radio 1 – when pressed outputs "I have two dogs."

Radio 2 – when pressed outputs "I like to ride my bike."

Add more features and functions to your homepage for the **bonus points (up to 100 bonus points—to get the bonus points, your homepage should look like the one done by a professional web designer)**. The following are only for your reference (you are welcome to add other features.):

- Textboxes,
- Alert boxes/messages,
- Using Javascript IF…WHILE, SWITCH…FOR statements,
- Using Javascript Arrays,
- ….
- (Everything added should be related with the THEME of your homepage, i.e., you should develop your design following the principle of HCI/UI, focusing on the topics while providing a nice interface to the topic.)