

Lab 2 Online Researches and Web Design

(Due BY: 5/3/Monday/2010. NO Late-submission will be accepted)

Your name:	Grade:
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Important notice about this lab:

- The lab consists of **two** different portions, in addition to an in-class presentation as a bonus-credit project:
 - **(100 points)** On-line searches/researches for the preparation for your “Writing and Presentation Assignment” (see the course syllabus).
 - **(100 points)** Simple Web Design (related with Javascript, HTML, and HCI).
 - **(bonus: 50 points)** An in-class presentation (5~10 minutes) of your work on *one of the above two* projects.
- Grading:
 - This lab and Lab 1 constitute the “Lab, Writing and Presentation” part of the coursework defined in our syllabus.
 - The full score of this lab is 200 points (Lab 1 is worth another 100 points).
 - The full score for the in-class bonus presentation is 50 points.

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/2010Spring/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 designers)**. 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,
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- (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.)

Part three: in-class presentation

- Select one of the following for your presentation:
 - The web/homepage you designed in the Part Two (No PPT file is required, just show your work and explain your design and implementation).
 - Choose one paper (from the Part One) you have read of an interesting topic in CS-related areas and give us a talk about the paper (PPT file is required for the presentation).
- Your presentation will be graded by the class (all the people in the class during the presentation).