Computer Science 140 - Midterm material

The midterm on Friday Nov 6 or 7, 2014 will be limited to the following topics. Not all of them will be in the midterm.

Review your quizzes, labs and class notes.

HTML

- HTML document structure (`<html>`, `<head>`, `<body>`)
- HTML basic tags: `<p> <br> <hr> <h1>..<h6> <a>`
- block versus inline elements
- use relative and absolute hrefs in `<a>`
- write a table in HTML using `rowspan` and `colspan`
- construct an ordered, unordered list
- construct a dictionary list
- imbed an image into an HTML page
- purpose of the file `index.html`

CSS

- how CSS is structured, what it is used for
- write out the `<link>` tag in the HTML file
- know the properties for: color, font-size, font-family, font-style, font-weight, background-image:url(), background-position, background-repeat, a.active, a.hover, a.link, a.visited, a.focus
- define a class and id
- define a styled div
- relative versus absolute measurements
- what `<span>` does
- the CSS style rule priority (linked, embedded, inline)
- the CSS rule of inheritance
- the CSS rule of proximity
- the CSS rule of specificity
- CSS syntax: `property : value ;`

Forms

- create a simple form
- know attributes of `<form>` tag
- define form elements for input text boxes, radio buttons, checkboxes, textareas and select boxes (and submit and reset buttons)
- understand the use of HTML5 form elements: `input type='tel', input type='email', input type='number', input type='range', progress, meter, datalist`
- understand the use of HTML5 form attributes: `autofocus, placeholder, required`
- understand the use of HTML5 form pattern using regular expressions for numbers \d

Graphics

- define the following terms: dot pitch, dithering, vector graphics, bitmap, anti-aliasing

What's not on the midterm?

- Javascript (other than what it is used for)