Csci 4131
Exam 1 (Wednesday October 31st) Logistics, Scope of Material Covered, and Overview

Test Date: Wednesday 10/31
Test Location: Anderson Hall 370
Test Time: Starts 2:30pm, ends promptly at 3:45pm

- Scope
  - Lectures 1 – 14
  - Sebesta: Chapters 1 –6, and 10.3.3
  - Homework 1 – 4,
  - Readings from Course Schedule Posted on Moodle
  - Readings listed in lecture slides from Lectures 1 – 14 (including the tutorials, links)

  75 minutes

  Open Book, Open Notes. **No Electronics (phones, computers, google-googles, apple watches, etc.)**

  No Talking to, or viewing of your neighbor's activities during the test. Do your own work.

Exam Focus

- Chapter 1, First two lectures – History / Fundamentals of the Web - character encoding schemes , URL's URI's
- HTML – elements, tables, forms – how to create them, how they work
- HTML 5 Elements -
- CSS – Directives to style elements, how to create and use classes and ids

More on Exam Focus

- JavaScript – How do you use it to dynamically construct HTML entities (tables, slideshows)? Window and document methods to interact with the user, create HTML

- Dynamic Behavior – How do you use JavaScript to interact with the DOM – get the value of elements, change the value of elements, change an attribute, create and add or delete elements, etc

- Understand the DOM

- HTTP Protocol – you should know your way around it, especially after current homework assignment

    What do request and response messages look like (URLs again),

    Basics of a Webserver,

    - what success & error codes are returned under what conditions?

Yet More on Exam Focus

- JavaScript,
- JavaScript Events – how do they work, kind of events (DOM events, user events (mouse clicks, focus, etc.))

- JavaScript for error checking (regexs)

- **JavaScript Closures! Where did you use them, how do you make one, how do they work**

- JavaScript and Automated / Timed Behaviors
  (intervals/animations) – our examples in class

- **JSON**

- **Understand what you did on your homeworks, and know how you did it (the concepts and mechanisms behind what you did…)**

Test Format

- Short Answer
- At least one question where you have to create use HTML, CSS, JavaScript – write a small application, a form
- Questions on What does this do?
- Write short code snippets of HTML, CSS or JavaScript
- Examine this code and add to it or fix it.