**YOU CAN BRING A 3X5   
'CRIB CARD' TO THE EXAM!!!**

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| You're responsible for everything that's been covered, anywhere, at any time, in the class. |

Go back and make sure that you’re now able to answer all the quizzes 100% correctly!

* Material from Assignment #1, Assignment #2
* HTML
  + Brackets.io
  + How the web works (browser asks server for a page – there’s an image)
  + HTML
    - The importance of looking up stuff on your own – for example, not panicking if there are new/unexplained HTML elements (that you can mostly ignore) on the exam
    - Open/close pattern for tags
      * Correctly nested open/close tags
    - Html, head, body, title
    - Basic pattern for attributes
    - What will the following HTML look like in the browser?
      * Headings (h1 through h6)
      * P
      * Ol, ul, li
        + Nesting lists
      * Img, including width & height
    - Block vs. inline elements
    - B, strong
    - A, href
      * Fill in the blank: write out the HTML for a hyperlink that goes to X
      * The three types of addresses
  + “Recreate this” exercise
  + Hr, Pre
* CSS:
  + CSS – what does it stand for?
  + “check all that apply” based on that slide about “why do we care about CSS?”
  + ID which parts of the page are governed by which language
  + Inline, internal, external
    - Pros/cons?
  + Selectors
    - Element (p)
    - Id
    - Class
  + Properties
    - Color (red, green, blue)
    - Background-color
    - *(there’s a pile more)*
  + Given a page, style is using internal sheet
    - Select X by class & change foreground to a color of your choice
    - Select Y by id & highlight it with another color of your choice
    - Select Z by class & change another CSS property (NOT the two you just used)
* Bootstrap
  + CDN
    - Pros/cons
  + You do NOT need to memorize how to add Bootstrap to a page
  + You should be able to add a Bootstrap-specific style to an element (like we did in class). I'll provide you with a list of the style (just their names, though – no description)
* JS
  + ID which parts of the page are governed by which language
  + JS – inline, internal, external
    - ID different regions in a page
  + Variables
    - "var x" - We used these, but didn't really spend a lot of time on these
  + ICEs
    - Js in a separate file
* jQuery
  + Document.ready() – what does this do?
  + Be able to describe what ‘minified’ code is.
    - Be able to recognize minified code
  + The .click() function to add an event handler
  + jQuery & ID selectors
    - Here’s some HTML+jQuery. Circle the element that the .click event handler will be attached to.
    - CREATE A BUNCH OF JQUERY-BASED JAVASCRIPT FROM SCRATCH!!
* Troubleshooting / Debugging JS
  + Essay question:   
    “You’re trying to make a webpage that does \_\_\_\_\_\_, and currently it’s not working. What would you try to do to fix the problem?”
    - Look for errors in the Console (in the Developer Tools)
    - Google for help
    - Add Alert()s to see what’s going on
    - Add console.log to see what’s going on
  + Compare & contrast alert() vs. console.log()
* Conditional statements
  + If, if/else, multiway if/else
    - Effective usage (e.g., given a paragraph explain which sturucture(s) you'll use and why)
    - That approach – given the description, break it down into separate steps, sketch out each step, etc, etc.
  + Memorize:
    - HTML forms
    - Forms
      * Start/end - <form> … </form>
      * Text field <input type="text" id="input" value="Starting text">
      * Button <input type="button" id="foo" onclick=" /\*THIS IS INLINE JAVASCRIPT \*/ ">
    - Create HTML for the pictured form (2 text inputs, 1 button)
    - ~~Strict mode~~
      * ~~Know that it forces you to declare variables before usage,   
        and thus prevents accidental creation of global variables~~
    - jQuery: val() function
  + Exercises:
    - Prompt for number & calculate tax
      * parseFloat(), etc
    - HTML form, access via jQuery
* Numeric input
  + ParseInt, ParseFloat, what "NaN" is, isNaN()
* Lecture 13 – Radio buttons, check boxes
  + Be able to define in HTML
  + Be able to access using jQuery (memorize this)
    - Know how to identify which radio button was chosen
    - Know how to detect if NO radio button was chosen
* Midterm prep day & A1 Revision work day
  + While I’m not intending on introducing any new material on this day you are responsible for anything that happens to be covered today