**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