

CSE 154: Web Programming

Final Exam "Cheat Sheet"

HTML

Tags Used in the <head> Section

Tag	Description
<code><title> text </title></code>	title shown on page tab
<code><meta attribute="value" ... /></code>	page metadata
<code><link href="url" type="text/css" rel="stylesheet" /></code>	links to a CSS style sheet
<code><script src="url"></script></code>	link to JavaScript code
<code><!-- comments --></code>	comment (can appear in head or body)

Tags Used in the <body> Section

Tag	Display	Description
<code><p> text </p></code>	Block	paragraph
<code><h1> text </h1></code> <code><h2> text </h2></code> ... <code><h6> text </h6></code>	Block	(h1 for largest to h6 for smallest)
<code><hr /></code>	Block	horizontal rule (line)
<code>
</code>	Block	line break
<code> text </code>	Block	anchor (link)
<code></code>	Inline-Block	image
<code> text </code>	Inline	emphasis (italic)
<code> text </code>	Inline	strong emphasis (bold)
<code></code> <code> text </code> <code> text </code> <code></code> <code></code> <code> nested item </code> <code> nested item </code> <code></code> <code></code> <code></code>	Block	ordered (ol) and unordered (ul) list; list item (li)

Tags Used in the <body> Section (Continued)

Tag	Display	Description
<pre><dl> <dt> term 1 </dt> <dd> description 1 </dd> <dt> term 2 </dt> <dd> description 2 </dd> </dl></pre>	Block	definition list (dl); term (dt), and its description (dd)
<pre><blockquote> <p> text </p> ... </blockquote></pre>	Block	block-level quotation
<pre><q> text </q></pre>	Inline	inline-level quotation
<pre><code> text </code></pre>	Inline	computer code (monospace)
<pre><pre> text </pre></pre>	Inline	pre-formatted text (preserves whitespace)
<pre><table> <caption> text </caption> <tr> <th> heading 1 </th> <th> heading 2 </th> </tr> <tr> <td> cell 1 </td> <td> cell 2 </td> </tr> ... </table></pre>	Block	table of data (table) description of table (caption) table row (tr) table heading cell (th) normal table cell (td)
<pre><div> ... </div></pre>	Block	block-level section of a page
<pre> ... </pre>	Inline	inline-level section of a page

HTML5 Semantic Grouping Tags

Tag	Display	Description
<header>	Block	Container for a header of a document
<footer>	Block	Container for a footer of a document
<article>	Block	A standalone piece of content (e.g., entire blog post including title, author, etc.)
<section>	Block	A piece of content that is part of another (e.g., a chapter section of a reading)
<aside>	Block	Defines some content aside from the content it is placed in (e.g., a sidebar in an article)
<main>	Block	Specifies the main content of a document. The content inside should be unique to the document and not contain content that is repeated across pages (e.g., sidebars, nav links, search bars, etc.)

HTML Input Tags

Note that input tags are inline tags.

Tag	Display	Description
<code><button type="type"></code> content <code></button></code>	Inline	clickable button type can be submit, reset, button
<code><input type="type" name="name"></code> content <code></input></code>	Inline	form input tag type can be text, number, submit, reset, checkbox, radio, file, etc.
<code><textarea rows="num" cols="num"></code> initial text <code></textarea></code>	inline	multi-line text input box
<code><label> text </label></code>	inline	clickable text label around a form control
<code><select></code> <code><option> text </option></code> <code><option></code> <code><optgroup label="text"></code> <code><option> text </option></code> <code><option> text </option></code> <code></optgroup></code> ... <code></select></code>	inline	drop-down selection box (select); each option within the box (option); a labeled group of options (optgroup);
<code><fieldset></code> <code><legend> text </legend></code> content <code></fieldset></code>	block	a grouped set of form fields with a legend

HTML Entities Reference

Result	Description	Entity Name
	non-breaking space	<code>&nbsp;</code>
<code><</code>	less than	<code>&lt;</code>
<code>></code>	greater than	<code>&gt;</code>
<code>&</code>	ampersand	<code>&amp;</code>
<code>©</code>	copyright	<code>&copy;</code>

CSS

For the following property and value tables, anything *emphasized* represents values that should be replaced with specific units (e.g., *length* should be replaced with a px, pt, or em for many properties, and *color* should be replaced with a valid color value such as a hex or rgb code).

A use of | refers to separation of possible values (where you cannot provide two of these possible values for one property) and [value value value] refers to a grouping of possible values that can optionally be used together (e.g., [*h-shadow v-shadow blur spread color*] for box-shadow).

Selector Types

Name	Description	Example
Universal	Any element	<code>* { font: 10pt Arial; }</code>
Element	Any element of a given type	<code>h1 { text-decoration: underline; }</code>
Grouping	Multiple elements of different types	<code>h1, h2, h3 { color: purple; }</code>
Class	Elements with the given class name	<code>.example { text-decoration: underline; }</code>
Id	Single element with the given id	<code>#example { text-decoration: overline; }</code>
Descendant	Elements that are children at any level of another specified element	<code>#example h1 { text-decoration: underline; }</code>
Child	Elements that are direct children of another specified element	<code>#example > p { font-weight: bold; }</code>
Attribute	Elements that have the specified attribute	<code>input[selected]</code> - inputs that have the selected attribute <code>input[name='test']</code> - inputs that have a name 'test'

Background Styles

Property	Values
background-attachment	scroll fixed
background-color	<i>color</i> transparent
background-image	<i>url</i> none
background-origin	border-box padding-box content-box
background-position	top left top center top right center left center center center right bottom left bottom center bottom right [<i>x-% y-%</i>] [<i>x-pos y-pos</i>]
background-size	<i>length</i> % auto cover contain
background-repeat	repeat repeat-x repeat-y no-repeat
background-attachment	scroll fixed

Border Styles

Note: Replace '*' with any side of the border (top, right, left, bottom) for the desired effect.

Example style: 'border: 2px solid red' applies a solid red border with a width of 2px to all four sides of the element, while 'border-left: 2px solid red' only applies that border to the left border'.

Property	Values
border, border-* (shorthand)	border-width, border-*-width border-style, border-*-style border-color, border-*-color
border-width, border-*-width	thin medium thick length
border-style, border-*-style	none hidden dotted dashed solid double groove rigid inset outset
border-color, border-*-color	<i>color</i>
box-shadow	none inset [<i>h-shadow v-shadow blur spread color</i>]
border-radius	<i>length</i>

Font and Text Styles

Property	Values
font-style	normal italic oblique inherit
font-family	<i>fontname</i>
font-size	<i>length</i> %
font-weight	normal bold inherit
text-align	left right center justify
text-decoration	none [<i>underline overline line-through blink</i>]
text-shadow	none [<i>color length</i>]
letter-spacing, word-spacing	normal <i>length</i> %
text-indent	<i>length</i> %
text-transform	none capitalize uppercase lowercase
list-style-type	none asterisks box check diamond disc hyphen square decimal lower-roman upper-roman lower-alpha upper-alpha lower-greek upper-greek lower-latin upper-latin footnotes
list-style-image	none <i>url</i>

Color Values

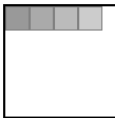
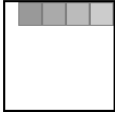
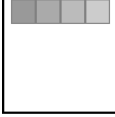
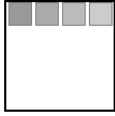
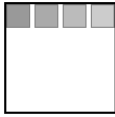
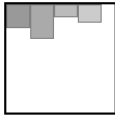
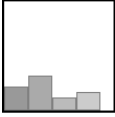
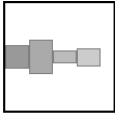

Value	Description
colorname	standard name of color, such as red, blue, purple, etc.
rgb(redvalue, greenvalue, bluevalue)	Example: red = rgb(255, 0, 0) or red = rgb(100%, 0, 0)
#RRGGBB	Example: red = #FF0000

Box Model

Property	Values
float	left right none
height, width	auto <i>length</i> %
min-height, max-height min-width, max-width	none <i>length</i> %
margin, margin-*	auto <i>length</i> %
padding, padding-*	<i>length</i> %
display	none inline block inline-block flex list-item compact table inline-table
overflow, overflow-x, overflow-y	visible hidden scroll auto no-display no-content
clear	left right both none

Flex Box

(on next page)

Property	Values	Element Type	Description
display	flex	Flex Container	Sets all children to become 'flex-items'
justify-content	flex-start flex-end center space-around space-between	Flex container	Indicates how to position the flex-items in the parent container     
flex-direction	row row-reverse column column-reverse	Flex container	Indicates if the container flows horizontally (row) or vertically (column)
align-items	stretch (default) flex-start flex-end center baseline	Flex container	Indicates how to space the items inside the container along the cross axis    
flex-basis	auto (default) length %	Both	Specifies the default size of an element before the extra space is distributed among the flex-items
order	number	Flex item	Specifies the order in which the element appears in the flex container (by default, flex items are laid out in the source order)
align-self	flex-end flex-start center baseline stretch (default)	Flex item	Indicates where to place this specific item along the cross axis