



cpsc 3750 exam 1

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how many computers were equipped to serve HTML in 1993?	100
what does WWW stand for	world wide web
should you use microsoft word and/or any other word processing program to write html?	no it is bad
what version of HTML are we using	HTML5
what are important criteria for choosing a web provider? (6)	<ol style="list-style-type: none">1. price2. customer service3. bandwidth4. domain name purchase/mgmt5. server uptime6. server space
what web browsers should you test on at minimum? (4)	<ol style="list-style-type: none">1. chrome2. safari3. edge4. firefox
HTML	hypertext markup language
CSS	cascading style sheets
who created HTML?	sir tim berners-lee
why is it called web content and not web pages?	different types of content are shown like text, audio, video, image, etc.
what are the steps taken to show a webpage to a user (browser and server side)?	<ol style="list-style-type: none">1. browser requests index.html2. server processes request, finds, file, and sends content to browser3. browser renders HTML, then process continues if there is more content needed to be fetched within the HTML (i.e. images)
what is the file extension for html?	.html
FTP	file transfer protocol
what pieces of information does an FTP client need to connect to a web server?	<ol style="list-style-type: none">1. hostname/address2. account username3. account password



document root	top level directory for web content, starting point of server, denoted as "/" (ex: google.com**/**)
Is HTML a programming language?	no, it is a markup language
what are the valid file extensions for a webpage? (5)	1. .html 2. .htm 3. .jsp 4. .aspx 5. .php
do empty tags need to end with /> ?	no
three types of tags in HTML	1. opening tag 2. closing tag 3. empty tag
what symbol do closing tags begin with?	</
what attribute is used with an <a> tag to specify the address of a page you want to link to?	href
<a>	anchor tag, used for handling links
is "https://" required when referencing a webpage for most browsers?	no
what symbol is used with an <a> to reference a different <a> on the page	#
how do you link to an email?	mailto:
how do you provide a way for all pages to have a similar look on a webpage?	style sheet
how many pts (points) in an inch?	72
is a header tag (<h1>, <h2>, so on) required to be used within a <header> element?	no
what tags should be on every webpage?	DOCTYPE, html, head, title, body, and probably p



<code><!DOCTYPE></code>	declares what kind of file is being used, in our case, <code><!DOCTYPE html></code> declares html5
<code><body></code>	tells browser where text of page begins, everything here displays in main area
<code><title></code>	identifies page on browser window, bookmarks, and favorites
<code><html></code>	indicates document is a webpage
<code><head></code>	contains information about page, but isn't displayed
<code><p></code>	encloses paragraph of text
attribute	extra piece of information associated with a tag
relative address	path from one web page to another (no protocol/domain needed)
when linked to external web content, do you need the full address and protocol?	YES! when using <code><a></code> to reference an external web page, you must have the full url, including protocol
<code>
</code>	forces a break within a paragraph
<code><hr></code>	displays a horizontal line
how many sizes of headings are there (<code><h1></code> through...?)	6
semantic elements	enhance meaning of information
<code><header></code>	container for introductory information
<code><footer></code>	contain additional information about its containing elements
<code><nav></code>	links to other sections within a site, usually found in <code><header></code> somewhere
<code><section></code>	contains anything related thematically, has more information than a standard <code><p></code> or <code><div></code>



<code><article></code>	like a <code><section></code> that contains a news article or other publication, must be a standalone body of work
<code><aside></code>	secondary information, like additional explanation, links to related resources, pull quotes, helper text, etc
how many <code><header></code> tags can you have on a page?	as many as you want! as long as they contain introductory information
can <code><header></code> elements contain other <code><header></code> elements?	no
can <code><header></code> elements contain a <code><footer></code> element?	no
can <code><footer></code> elements contain <code><header></code> elements?	no
how to know when to use <code><article></code> over <code><section></code>	ask the question: does the content make sense on its own? if so, article!
should <code><nav></code> be used for every link?	no, only major navigational content, like a navbar
style rule	formatting instruction that can be applied to an element on a web page
internal style sheet	placed directly within a webpage
external style sheet	separate document, linked to web page via tag
where does the "cascading" part of CSS get its name?	the styles cascade through HTML aka base style rules can be applied, then more specific rules can override them
what is the latest version of css?	CSS3
css layout properties	used to control position
css format properties	used to control visuals
display property values (4)	block (new line) list-item (bulleted) inline (no new line) none (hidden)



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what are the valid units of measurement in CSS (6)	in, cm, mm, %, px, pt
border styles	solid, double, dashed, dotted, groove, ridge, inset, outset, none, hidden
T or F: a fluid layout is also called a liquid layout	true
what are the different overflow properties? (3)	1. scroll 2. visible 3. hidden
if you have a web page with overlaying regions, which property is used by the browser to determine the order of the boxes?	z-index
every HTML element is considered a(n) _____. they have consistent properties and are always present, and play a key role in creating a layout	box
what is the symbol for pixels?	px
when was the term responsive design coined?	2010
who coined the term responsive design?	ethan marcotte
CSS box model, from outer to inner	margin, border, padding, content
margin	area outside of an element, always transparent
border	extends around an element, on the outer edge of padding
padding	exists around content and inherits background from content area
total width of an HTML element	width + padding left + padding right + border left + border right + margin left + margin right
total height of an HTML element	height + padding top and bottom + border top and bottom + margin top and bottom



what is the total width and height of this object?

```
div{  
width: 250px;  
height: 100px;  
background-color: #ff0000;  
border: 5px solid #000000;  
margin: 10px;  
padding: 10px;  
}
```

width: $250 + 10 + 10 + 10 + 10 + 5 + 5 = 300\text{px}$
height: $100 + 10 + 10 + 5 + 5 + 10 + 10 = 150\text{px}$

what is the default positioning in HTML?

relative

absolute positioning

specify exact location of an element's position with respect to it's partents area

z-index

enables you to set order of elements with respect to how they stack on top of each other, higher numbers are layers higher (in front of others, so a z-index of 4 would be in front of 0)

current line

invisible line used to place elements on a page

lowest minimum screen resolution for design

1024 x 768 px

fixed layout

layout where body of page is set to specific width

cons of a fixed width

scrollbars and empty space will show up if page is smaller or larger respectively

fixed/fluid hybrid layout

contains both fixed layouts and fluid layouts

fluid layout/liquid layout

body of a page does not use a specific width in pixels (may use percentage)

responsive web design

create content that is easy to read, view, and navigate, regardless of device type and size



how to query the width of a device	media="screen and (max-device-width: 480px)" will load a different style sheet if device is smaller than 480px
when a user views a page containing a javascript program, what machine executes the page?	browser
what software do you use to create/edit javascript programs?	text editor
single line comment symbol in javascript	//
is javascript case sensitive?	yes
is javascript compiled?	no, it is interpreted
DOM objects are usually lowercase , but their _____ are often a combination of upper and lower	methods
why use javascript?	created interactive web pages
what are some capabilities of javascript?	1. validating forms 2. special effects 3. remote scripting (AJAX)
statement	section of code that performs a single action
three types of object methods	built-in, DOM, and custom
event handlers	triggered by user, tell browser what to do when something happens
what order does javascript run in in an HTML file?	1. script contained in <head> 2. script contained in <body> 3. script contained in an event (happens whenever event happens)
what can be used in a variable name in javascript?	uppercase, lowercase, numbers, and underscore
what characters can a variable start with in javascript?	letters or underscore
are blank spaces in your code used or ignored by javascript?	ignored



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how are JSON objects set up?	{ "param":"value" }
is PHP client side?	no, server-side
does the browser interpret PHP?	no
what tag is used for php?	<?php
do you need to use a semicolon in php?	yes
what can be used as a comment for php?	#, //, /*