

HTML Research Guide

Expectations

1. Research each topic using search engine of choice.
2. Provide at minimum 2 different Source website URL's beside Shodor HTML Tutorial
 - a. Think about your "How do you know" lecture when select your sources.
3. Do not copy and paste answers. Rewrite in your own words. This will require some thought.
4. Once you make a **copy** of the HTML Research Guide **in your Google Drive** be sure to **share** that document with **Aaron and Ernie**.

Some of you might be thinking "hey I already know HTML" and I have no doubt that some of you do have experience with HTML. Before you declare this project unworthy of your time I would like you consider this, I started to learn and write HTML in 1996. In 2017, I am still learning about HTML because technology changes, coding (syntax) changes and HTML standards change. This is why I like programming and building websites. While we might become very proficient in programming and web design, there will always be something new to explore and experience. Please come and join me on the journey down the rabbit hole.

Question	Your Thoughts based on research	List 2 Source website URLs
What is HTML?	HTML stands for Hypertext Markup Language. HTML is a system language used to express characteristics of a website.	https://www.w3schools.com/html/html_intro.asp http://ericae.net/learn-html.html
Why should you use HTML?	You should use HTML because it allows you to create websites quickly and effectively. Prior to the creation of HTML, the designing of a web page was limited to a notepad and the use of your imagination. This was a very long and tedious process.	http://ericae.net/learn-html.html https://www.w3schools.com/html/html_intro.asp
What is HTML5?	HTML5 is a newer version of HTML that includes more complex behaviors, elements, and technologies.	https://developer.mozilla.org/en-US/docs/Web/Guide/HTML/HTML5 https://www.w3schools.com/html/html_intro.asp
Why should you care about HTML5?	HTML5 allows for increasingly powerful websites and applications.	https://developer.mozilla.org/en-US/docs/Web/Guide/HTML/HTML5 https://www.w3schools.com/html/html_intro.asp
Who or what do I write HTML for?	Yourself, other developers, clients, web browsers	https://www.htmlgoodies.com/primers/html/article.php/3478141

		https://www.w3schools.com/html/html_editors.asp
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HTML Vocabulary What is/are?	Your Thoughts based on research	Source website URL(s)
HTML elements	The HTML element is everything from the start tag to the end tag.	https://www.w3schools.com/html/html_elements.asp http://www.htmldog.com/references/html/tags/
HTML tags	HTML tags mark the beginning and end of HTML elements.	http://www.htmldog.com/references/html/tags/ https://www.w3schools.com/html/html_elements.asp
HTML attributes	Attributes provide additional information about HTML elements.	http://www.htmldog.com/references/html/attributes/ https://www.w3schools.com/html/html_elements.asp
Deprecated HTML	HTML tags or attributes that have lost value over time. For deprecated HTML, future use cannot be guaranteed.	https://www.codehelp.co.uk/html/deprecated.html https://www.w3schools.com/html/html_attributes.asp
HTML entities	These are use to display characters that would otherwise be confused with tags.	https://www.w3schools.com/html/html_entities.asp https://dev.w3.org/html5/html-author/charref
HTML nesting	The process of making elements contain elements.	https://www.webopedia.com/TERM/N/nesting.html https://www.w3schools.com/html/html_elements.asp
Website	A user experience that contains one or more web pages, and is made up of graphics and text.	https://www.codeschool.com/beginners-guide-to-web-development/how-does-a-website-work https://www.ntchosting.com/encyclopedia/internet/website/
Webpage	A web page is any document which can be displayed in a web browser.	https://developer.mozilla.org/en-US/docs/Learn/Common_questions/Pages_sites_servers_and_search_engines https://www.computerhope.com/jargon/w/webpage.htm
Semantic elements	An element that clearly describes its own purpose through text.	https://www.w3schools.com/html/html5_semantic_elements.asp https://developer.mozilla.org/en-US/docs/Web/HTML/Element
Non-semantic elements	An element that does not clearly define its purpose.	https://www.w3schools.com/html/html5_semantic_elements.asp

		https://developer.mozilla.org/en-US/docs/Web/HTML/Element
What is the root directory of my website	The root directory of a website contains all of the files and folders in a drive. It is the top level directory.	https://www.lifewire.com/what-is-a-root-folder-or-root-directory-2625989 https://techterms.com/definition/root_directory

Question	Your Thoughts based on research	Source website URL(s)
What is the difference between a webpage and a website?	A web page is any document which can be displayed in a web browser, while a website is a user experience that is a collection of one or more web pages.	https://developer.mozilla.org/en-US/docs/Learn/Common_questions/Pages_sites_servers_and_search_engines https://www.computerhope.com/jargon/w/webpage.htm
What is the difference between an HTML Element and an HTML Tag?	An HTML element is anything from the start tag to the end tag, while an HTML tag marks the beginning and ending of the elements.	https://www.w3schools.com/html/html_elements.asp http://www.htmldog.com/references/html/tags/
How do you nest and indent HTML?	To nest one list within another, indent each item in the sublist by four spaces. To indent, just enter and press tab as a visual aid.	http://www.developphp.com/lib/HTML/Nesting-and-indenting http://commonmark.org/help/tutorial/10-nestedLists.html
Why do you need to nest and indent HTML?	You need to nest and indent HTML because they nesting allows the program to understand terms that would otherwise be confused with tags, and indentation allows for easier author disambiguation during website creation.	http://www.developphp.com/lib/HTML/Nesting-and-indenting https://www.w3schools.com/html/html_entities.asp

HTML Tag	Your Explanation of what the HTML tag does based on your research.	Your Example of the tag being used (using proper syntax)
DOCTYPE declaration	The doctype declaration tells the web browser which markup language is	<code><!DOCTYPE html></code>

	being used.	
html	The html tag tells the web browser that html is being used.	<code><html> </html></code>
head	This tag contains the title element.	<code><head>This is the head</head></code>
title	This tag contains a title for the web page that is displayed.	<code><title>This is the title</title></code>
anchor	This tag defines a link between a document and a web source.	<code>Pra ctice SAT</code>
link	Defines a hyperlink, which is used to link from one page to another.	<code><link rel="stylesheet" type="text/css" href="theme.css"></code>
style	The style tag defines a characteristic of a specified element.	<code><style> h1 {color:red;} p {color:blue;} </style></code>
comments	This tag displays text that is only visible on the page source code, not on the browser.	<code><!--This is invisible--></code>
headings 1- 6	This tag displays headings, with 1 being the most important heading, and 6 being the least important subheading.	<code><h1>This is the world 1</h1> <h2>This is North America 2</h2> <h3>This is America 3</h3> <h4>This is North Carolina 4</h4> <h5>This is Durham 5</h5> <h6>This is Shodor 6</h6></code>
paragraph	This tag holds a block level paragraph of text.	<code><p>I am writing is a very, very short paragraph.</p></code>
ordered list	This tag contains a list that is numerically ordered in some way.	<code></code>

		<pre>Number 1 Number 2 </pre>
unordered list	This tag contains a list where order does not matter.	<pre> Dog Cat </pre>
table	Defines a table on a webpage.	<pre><table> <tr> <th>Year</th> <th>Insurance Cost</th> </tr> <tr> <td>2017</td> <td>\$1000</td> </tr> </table></pre>
image	This tag defines any images by their url.	<pre><img src=https://www.nationalgeographic.com/science/space/solar-system/the-sun/#/6594.jpg></pre>
form	This tag is used to create a form of user input.	<pre><form action="http://shodor.org/~omn/" method="post"></form></pre>
division	This tag defines a separate section in an HTML document.	<pre><div> <title>Extra Animals</title> Cheetah Lion </div></pre>

HTML5 Tag	Your Explanation of what the HTML5 tag does based on your research.	Your Example of the element being used (using proper syntax)
header	A container for summarized content and links.	<pre><header> <h1>Most important</h1> <h2>Less important</h2> <p>Main topic</p> </header></pre>
navigation	This tag defines a set of navigational links.	<pre><nav> Dogs Cats Lions Cheetahs </nav></pre>
footer	Defines a footer for a document or section.	<pre><footer> <p>By Om Nerukar</p> <p>omn@shodor.org</p> </footer></pre>
main	Defines the main content of a document.	<pre><main> <h1>Animals</h1> <p>Dogs, cats, cheetahs, and lions are some of the most amazing animals in the world.</p> <article> <h1>Tigers</h1> <p>Tigers are the largest</pre>

		big cat, and are considered the apex predators of their respective environments.</p> </article> </main>
article	Contains independent, self-contained content.	<article> Tigers Tigers are the largest big cat, and are considered the apex predators of their respective environments. </article>
section	A section tag defines sections in a document, which include chapters, headers, and footers.	<section> Tiger Conservation The World Wide Fund for Nature wants to support tigers in their struggle to survive against increasing human inhabitation.. </section>

HTML Attributes You Need to Know	Your Explanation of what the HTML attribute does	Which tag(s) use the attribute
href	This attribute specifies the url of the link.	The <a> tag.
id	This attribute specifies the unique id of any value in an HTML document.	All tags.
class	This attribute specifies a class in a style sheet.	All tags.
src	This attribute specifies the url of an external link.	Audio, embed, iframe, img, input, input, script, source, track and video.

Optional		
thoughts?		
ideas?		
comments?		
questions?		