

## UNIT 2 LEARNING DIARY and HTML SAMPLES

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**For the html sample 1 and 2 go at the bottom.**

In my learning process, I started with a crash course to refresh my memory as it has been over 10 years since I touched web design of any sort. I was an advanced beginner if I could say so. But with time I forgot ...

<https://www.youtube.com/watch?v=UB1O30fR-EE> ----The html Crash course----

I made 4 pages that describes the website that will be used online. I tried to follow the design I made previously to convey the same relationship. On the home page I will be using the news to post upcoming reviews on companies and products. The recent reviews part will just be a simple paragraph from the review page for each recent review with <button> element relative links to the review page.

I put all my contents in div containers for better management later in CSS using id. I probably should have added span elements too, but I am using only html now.

I used some <em> <strong> elements to create emphasis (italics) and bold text to bring attention to the company names and or important details.

I had to go back and forth from the w3schools website at first to relearn the elements and by using my book html and CSS from John Ducket I learn a whole bunch element that I may not even use but who knows.

I made the logo using adobe illustrator, I have yet to master the formats and pictures used in the web, but I think I did a good job (using the width in <img src>). Images should be initially set to the size I will use on my website. This is something I will keep in mind.

In the reviews section I probably should have added id attributes to mark the part that will be showed when the user clicks on the full review button from the recent review container on the home page. I used the date format "08/20/19/03" the last number is the numbered review for that day. Maybe there will be some modifications to make as I learn more about using id's with CSS and JS.

The company section is simply a description of the companies that will be reviewed with a paragraph about the company.

At first, I was using <tables> to separate my content but realized it was not the best approach so I reimplemented the html code to fit in <div> containers for better management in CSS later.

I do think the personas would like the website as it is simple straight to the point and will be more technical on products in the reviews page.

The contact page will be a simple form using CSS later, so for now I only made it as a `<a href=mailto:>` element.

Also, the commenting... I will have to learn to comment my code a little more.

I realize there is much to do to master HTML but as I have used it in the past it should come back fast.

**Next is the sample 1 and 2. I explain the code and errors found in the code.**

## Sample 1

I reorganized the messy code to follow normal structure in HTML, it makes it more readable and I stated my errors to follow the page text. By rearranging the code to match each other with the right elements in the right place, the pages look and feel the same.

If you look well when you click on the relative links, the menu seems static.

I added a sampler menu that use relative URL in an unordered list.

There is no title between the tags `<title></title>` the title element is the text that will appear on your page tab at top hence the title of the page.

The paragraph tag `</p>` is not present to close the element paragraph HTML is not case sensitive

No `</H2>` close for element header 2 the paragraph under becomes part of the header

Big block of codes should be separated in multiple paragraphs to be easier to read.

Also, it is good practice to add a line tag `<br>` when the text is too long to create a smaller block of code.

The `<i></i>` element makes the text between look italic and should be used to represent something that is more technical or like foreign words. If the idea was to create importance to that word, then the element `<strong>` should be more proper.

`<H3>` Adding links had no end tag `</H3>` it makes the paragraph become part of the element header 3.

The first paragraph with `<a href>` has a useless end parenthesis after the close tag. Also, the paragraph has no end tag `</p>` And all HTML element attributes value must be between " ".

`<a href=http://www.athabascau.ca>` to `<a href="http://www.athabascau.ca">`

The Using picture header was missing a close tag `</h3>`

The paragraph of Using picture had no close tag `</p>`

For the image, every attribute values of element in HTML must be between " ".

So `<img src=aulogo.gif>` becomes `` and should have a alt attribute in order to describe the image if you cannot see it.

There are no close tags on elements `<li>` in the unordered list. An unordered list makes bullet points for each list line between `<li></li>`.

Ordered list makes number in order at the beginning of each list element.

When an unordered list is nested inside an another unordered list the bullet points become hollow.

When you want to indent a new list inside a list, one must indent it between a new `<li></li>` element for better structure practice. The unordered list element before indented is missing an angled bracket `>`.

Always close tags on elements ... indented and numbered have no close tags.

Again, no close tag on header 3 Making tables

The first 4 text in the table are missing closing cell element

You start a table using the element `<table>` and then you indicate start of each row using `<tr>` "table row". Then you can use the `<td>` "table data" element to create cells within each row. One could use `<th>` "table header" in order to specify either a row or column which makes the text bold and helps search engine indexing and helps later in css on the appearance. Adding the attribute `scope` with value "row" and will be rendered by browsers in bold and centered in the cell.

I set the border attribute to show the graphical design you can accomplish when adding to the value. It looks less boring to look at and contrasts from the inner lines. You could also simply remove the border and have blank bordered table.

The background color of the cells can be changed using for example: `<td bgcolor="cccccc">`

In the sample I make the rows and columns darker to create contrast between rows, columns and the text inside the other cells.

I also added the attribute `cellspacing` to separate the cells even more. Just gives you an idea how you can graphically change a table.

Table should always have `<td>` elements in empty cells in order for the table to render correctly.

The `colspan` attribute is used in order to tell the browser how many cells the text will run across the table.

## Sample 2

The `<!DOCTYPE>` must be the very first thing in the html document.

It refers to a DTD which specifies rule markup language to render the content correctly depending on the version of html.

W3schools.com recommends to always add this tag for the browser to know what type of document to expect.

HTML5 is not based on SGML, and therefore does not require a reference to a DTD.

I went on and added the same doctype to sample1.html

A meta element with an attribute `charset` specifies the character encoding that will be displayed on your page.

The same2.html body was is empty and when using the hyper link on sample1.html it brings to a blank page because the body on sample 2 is empty.

First I saw the attribute xmlns w3schools.com says: “The **xmlns attribute** specifies the xml namespace for a document. Note: The **xmlns attribute** is required in XHTML, invalid in HTML 4.01, and optional in HTML5.”

The html meta tag element is there to give metadata for browsers to (from w3schools.com):

- Display content or reload page
- Search engine keywords
- Other web services...

I changed the title to sample 2.

Again, I restructured the code in a more convenient way, added the same relative link menu as sample1.html and put a small message in a paragraph.