

Portfolio and Learning Outcomes

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My website is accessible at: www.build.mybeautyexp.ca

Or in the landing at: <https://landing.athabascau.ca/file/view/4722460/my-site>

I loved this course.

It provided a very good insight on most aspects of WEB Design and gives its students a wide area to study from. I wish I would have had less challenge at home and work. I specially liked the CSS part as it really makes the look of the site change completely and was quite fun.

I was able to establish a strong basis for future web design study, practice and implementation.

The biggest error, I took a great pride in my Java coding skills and ended up confused at first in some aspects of the JavaScript syntax. So, I went back to w3schools exercises in JavaScript and learn more about the syntax in order to better understand. I then implemented my game programs on the GAMES page.

I altered my website design from unit1 and added a game page during my unit 5 and unit 6. I added comments in unit 1 learning diary of the Landing.

I have made modifications and corrections as I was going up in the units and realized the careful attention we need to do in each unit. It prevents having to restructure the code every time you wish to add new content or features. I relearned also that commenting is such an important part in every aspect of the website files. This experience will prepare me for further improvements and future websites.

At first, I lacked on commenting my code and had to scroll in the code until I would find the parts I wanted to update. Especially when you realize that your code is growing in size i.e. if you look at the CSS file, if it was not commented it would take while to get to the point where you want to go unless you have some kind of “super cyborg memory”.

After restructuring my code with comments. I understood and was able to retrieve parts of my code much faster for reimplementation and maintainability. And I while testing my website, I realized the layout was not what one would expect to be a very good user experience. I changed the layout in the index page and removed the links in the header to clean up the navigation and changed the width of the header and footer to % so they remove the horizontal navigation when on a tablet or cellphone. I remembered the meta tag for responsiveness I read in w3schools with devices.

In the learning outcomes I added some comments about my learning curve and how I added some modifications throughout the course units. **I also installed an SSL certificate in my cPanel for security encryption for later implementation of user-based log in and any other features that will require sensitive data to be protected. I redirected any attempt to get to HTTP so that it goes to HTTPS.**

Thank you for the course!

Learning outcomes

Unit 1

identify the potential audience and purpose for a website.

I identified 3 personas: Mary Jane, Milinda and Arianne in order to base their needs from an online beauty resource. Their scenarios were designed so that I could build around those needs and desires from the personas.

I used power point and adobe Photoshop in order to create the graphical mockup of the site and site map. I later added a page called games which is more for the sake of the course and making JavaScript program within my website.

<https://landing.athabascau.ca/file/view/4665730/unit-1-learning-diary-and-work-done>

Use a simple but structured process to identify how the website will address the needs of the anticipated audience.

I worked on a design that would fit the personas scenarios and personality. I used photoshop for the mockup and picture arrangement and created a logo using illustrator. I made a site map to convey the links between the pages. I realize I forgot to put lines between the 3 subpages. (added 1-page **GAMES** later in the course for JavaScript games)

I did add modifications in the site design as I learned new things in

Goal identification: The 3 personas have in common the need for a simplistic yet interesting website that reflects their needs and can communicate to the site administrator in order to ask for product reviews either being an individual or a company.

<https://landing.athabascau.ca/blog/view/4496549/unit-one-site-design-learning-diary>

<https://webflow.com/blog/the-web-design-process-in-7-simple-steps>

Unit 2

When you have completed this unit, you should be able to write well-structured, easily maintained, standards-compliant, accessible HTML code.

Relationship with unit 1: In the first pages I created a recent review, so the new reviews are visible at entry in the website. (straight-to-the-point). I wanted to keep my personas in my and site design at it will build up through the units. I also made sure they have a place in the website where the personas/users could communicate with me to send requests or any information on themselves that I could later post on my website. Always keeping in mind, the light theme of the website.

In unit 2 I made webpages using only html with no help from any ide. So, I used a notepad and refreshed the browser continuously while implementing the html code. It helps to

It was all done keeping my personas in mind, I did the best I could and used a lot
 to try to layout the html as beautiful as possible.

I realized later in the course that the mark up documents should only be used for text documentation and identified HTML elements where needed. Any styling should be left for the CSS style part. It is important to prepare your html page for further styling through CSS.

I reapplied my div tags with proper structure...

For example, I had a recent reviews <div> with a news <div> inside a container div inside a body <div> tag. I removed the body <div> tags later in course as they were useless. I also learned that not styling the HTML document makes it easier later when applying CSS. I had to remove all the tags like the hundreds of
 I put to the html paragraphs a more block look style.

A careful design of the HTML pages brings forth an easier maintainability of the code.

I reapplied comments in all my pages for better understanding of the meaning of my markup code and added meta tag with charset = UTF-8 to fix the French text with accents.

I described all the errors found in the 2 samples and reimplemented the code with better coding practice.

<https://landing.athabascau.ca/file/view/4679202/unit2-html-site-building-learning-diary>

<https://landing.athabascau.ca/blog/view/4678719/unit2-html-site-building-learning-diary>

<https://landing.athabascau.ca/file/view/4679202/unit2-html-site-building-learning-diary>

Crash course from Traversy Media Tutorials on HTML on YouTube.

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

Unit 3

Relationship with unit 1: In this unit, which is about the style of my website. I wanted to create a light theme that is relaxing to the eye. I used some green and kept the background white. I added an overflow property for the home page reviews and news so they can be scrolled when content is added that takes higher size than the box. The responsiveness adjustments I made with layout, navigation and meta tag follows the relationship in unit 1 as to be able to navigate in the website with a phone or a tablet as well.

When you have completed this unit, you should be able to write well-structured, easily maintained, standards-compliant CSS code to present HTML pages in different ways.

CSS was a little new to me as the last I touch web design was in 2005 or around. It is amazing what can be done using CSS and I enjoyed implementing my CSS style sheet. I think that's the part I had the most fun at changing the layouts and colors. The positioning was cumbersome at times, but I got through.

I used selectors for as many elements as I needed whilst learning about style manipulation through many learning portals.

As I was adding to the site in future units I changed and added new CSS styling which made me learn even more type of styling that can be. Like the styling I use to create the toggle in the menu by using transform and using rotate to initialize the toggle using degrees to create a rotating effect later in jQuery.

I also reapplied the layout and removed the navigation links as I realized it was not necessary anymore. I had to add meta tag for the viewport as mentioned in w3schools on the viewport page explanation.

The w3school website was a great help for tutorials on positioning the div's and to learn how to create a responsive effect by using the percentage of size to resize the content when the windows size change.

I learn about using borders or background color on my div boxes in the first style design, it helps to position the layout of the website div boxes. I also learned about many other useful properties to add to my website styling for centering the text, padding to create a margin type from within my div boxes.

I was able to finally clear up my footer in the HOME page. I was using floats for laying out the recent reviews and news boxes, but the footer would always come up. Until I found out about the clear property. https://www.w3schools.com/cssref/pr_class_clear.asp

There are so many properties that you can combine to create styles. I went with the initial look I had set in my design but changed the menu position and style.

<https://landing.athabascau.ca/blog/view/4686221/unit-3-css-site-styling-learning-diary>

<https://landing.athabascau.ca/file/view/4686693/unit-3-css-site-styling-learning-diary>

Crash course from Traversy Media Tutorials on CSS on YouTube.

<https://www.youtube.com/watch?v=yfoY53QXEnI>

Unit 4

Relationship with unit 1: In this unit, I applied code from another person in order to create a menu animation where when you reduce the size of the browser window, you still get access to the menu and the rotating effect makes it interesting.

Critique JavaScript code written by others, identifying examples of both good and bad practice.

The code I chose seemed correct and efficient and I did not have any bad critique.

Use JavaScript to add dynamic content to pages.

I used the code to make a menu that can be opened to access the pages of the site when the window is smaller. It is useful if your window is resized as the main menu could disappear and then you still have access to other pages without having to re-extend the window.

I understood the concept of syntax used in JavaScript libraries and used a code for implementing the menu bar with rotating/hiding effect in my header's pages. I added a dynamic menu content to my header for access to pages navigation when the window is resized and for a better dynamic look.

I followed <https://www.w3schools.com/jquery/default.asp> tutorials for some insight.

<https://landing.athabasca.ca/blog/view/4690786/unit-4-script-use-augmentation-and-learning-diary>

Modify existing JavaScript code to extend and alter its functionality and, where appropriate, to correct errors and cases of poor practice.

The code was simple to implement by matching the right elements of HTML to the right selectors. Learning through the tutorials and the W3Schools tutorials helps to understand what the functions do and why.

Unit 5

Write well-structured, easily maintained JavaScript code following accepted good practice, including make effective and efficient use of a full range of programming constructs including sequence, selection and iteration.

Use a wide range of programming features and commands to improve the efficiency, re-use and maintainability of the code.

Effectively use variables, including passed parameters, local and global variables and arrays, to improve the efficiency, re-use, and maintainability of the code.

Use a wide range of programming features and commands to improve the efficiency, re-use and maintainability of the code.

Relationship with unit 1: In this unit, I wanted to use JavaScript to integrate communication through my email form where users can communicate their stories and make request on products reviews. I eventually removed the idea of the drop box as it doesn't really matter if you are a company or user. I review any product that either company or individual would request. I also added 2 virtual coupon games for the users who would be enticed by the products reviewed. They could get a promotional code and get a price drop on the company's products reviewed.

I learned the JavaScript syntax language by using tutorials and references from multiple websites in order to establish a better understanding of the syntax in combination with the libraries.

I created 2 games using only JavaScript. The games use random assignment to variables with Math.random() to create the illusion of playing with another player.

I learned also, while reading about JavaScript, that pure (vanilla) JavaScript runs much faster than using libraries. Although this would mean creating your own functions and classes.

The code is implemented using a series of if statements to establish specific rules that test and print messages with the result and random generated coupon code.

I explicitly commented my code so it could be easy to understand its semantics and to make it easily maintainable.

In the Crasp game, I implemented a do .. while loop to test for the rules conditions as well as a nested do ... while loop to test for the condition where the roll will be set to the

valuePoint variable in order to reroll and use break; once the right condition is met. A win returns a random code for rebates on reviewed products.

As for my Rock Paper Scissors program I use a series of if statement and also a random generated variable to select the hands of the playerAi variable by using constants ROCK, PAPER and SCISSORS in the if statement to compare the user input in order to create the rules.

If the user input is not a R a P or a S a message is displayed telling the user to try again with the right procedure.

I also use if statements at the beginning of the code after the variable declaration let user = prompt (). The prompt let you take user input from the pop-up message window in the browser. The if statement converts the letter to capital if the user doesn't use capital character.

Write JavaScript code that works in all major browsers (including IE, Mozilla-based browsers such as Firefox, Opera, Konqueror, Safari, Chrome).

I tested my website in the browser above and found out that the only place where JavaScript will not work by default was in internet explorer where the browser restricts the page running scripts. You have to click allow blocked content in order for JavaScript to work.

You lose access to the toggle menu and games if you don't allow the script.

Effectively debug JavaScript code, making use of good practice and debugging tools.

I started my code with variable declaration using getElementById() in order to set the variables to my elements id's. Then added a variable for displaying error messages and implemented a div with errors id in html for later use in my validation of the email form while debugging.

I added a button variable set to the button id in my form page when trying to create a message in my debugger in the browser developer tool. The debugger tools are very appreciated when trying to find errors. It helped me to fix syntax errors on variables or method calls.

I then implemented a combination of pure JavaScript and jQuery when loading the document and check for equality with each field in the form. Later with jQuery, ajax and php the email form can be sent using my server. I was using the alert() function to test the variables initialization because there was an error in my variable initialization when submitting the data.

At a certain point I went on and created a class with a constructor and getters for the name, email like I would normally do when making classes in Java, but I thought it was maybe overkill for what I was trying to do.

I ended rewriting the code and using only a mix of jQuery and pure JavaScript combined with some ajax library code in order to send the form data using the send php file in my website.

I installed the xampp server functionalities on my computer and started testing my website. I was using my own server for testing but realized that with the xampp server its faster to edit the files than using my server and transferring the files all the time. Although I could edit it directly from my server.

<https://landing.athabascau.ca/blog/view/4695707/unit-5-writing-javascript>

<https://landing.athabascau.ca/blog/view/4720169/unit-5-addendum>

Crash course from Traversy Media Tutorials on JavaScript on YouTube.

<https://www.youtube.com/watch?v=hdI2bqOjy3c>

<https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference>

<https://www.w3schools.com/jsref/>

Unit 6

Relationship with unit 1: In this unit, I wanted to create the effect of opening a box or downward transition. As it blends with opening your make up boxes. I used JavaScript libraries jQuery to animate my website when it loads. It creates a more interesting effect and removes the appearance of moving text while the page is loading.

When you have completed this unit, you should be able to use JavaScript libraries (e.g. jQuery) to create dynamic pages.

In unit 4, I used jQuery to implement my rotating menu. I learned that the \$ is links to the jQuery library and then you implement a selector and an action.

jQuery eases the use of code from the pure JavaScript i.e. \$('menButton') instead of getElement and lets you combine methods to create amazing effects.

The DOM helped me a lot in understanding while implementing my jQuery related menu. The jQuery library help taking action in the rotation of the menu as it activates and deactivates the toggle action in my CSS stylesheet to move forth and back the menu once clicked.

<https://landing.athabascau.ca/blog/view/4717725/unit-6-using-libraries-jquery>

https://www.youtube.com/watch?v=3nrLc_JOF7k (1, 2, 3 and 4)

Unit 7

Relationship with unit 1: In unit 7, I decided to implement the form with PHP and ajax in order to receive requests and demands from users or companies. I also added a twitter button and timeline. I have yet to create the app as I am waiting for the approval of twitter for my app. Users can comment and send tweets and their comments will appear on the home page rendering their feelings and experiences from beauty products and the likes.

<https://landing.athabascau.ca/blog/view/4733701/unit-7-using-external-data-sources>

When you have completed this unit, you should be able to use JavaScript to access and use web services for dynamic content (AJAX, JSON, etc.).

I followed some tutorials on Traversy media and went with the tutorials on w3schools and fix my email form to send data through the php file.

<https://www.airpair.com/js/jquery-ajax-post-tutorial>

<https://www.youtube.com/watch?v=82hmvUYY6QA>

I was able to go through my email form combining ajax and jQuery libraries with pure JavaScript with some help from stackoverflow.com and some php understanding with w3schools. I learned pretty useful functions like append(), html() and done() for my mail form. I found help online for this implementation with other websites as well but I don't remember the link.

<https://api.jquery.com/jquery.ajax/>

<https://api.jquery.com/deferred.done/>

<https://stackoverflow.com/questions/6085649/how-to-send-multiple-data-fields-via-ajax>

<https://www.youtube.com/watch?v=oJbfyzaA2QA>

https://www.w3schools.com/jquery/html_append.asp

For security with email form, use POST as w3schools as it will prevent users to eventually get spammed or other bad things that could happen if people catch their emails.

From w3schools:

Notes on POST:

- Appends form-data inside the body of the HTTP request (data is not shown in URL)
- Has no size limitations
- Form submissions with POST cannot be bookmarked

https://www.w3schools.com/tags/att_form_method.asp

I had some problems trying to clear the form after the message sends but using

```
document.getElementById('elementId').value="";
```

fixed that issue

from: <https://stackoverflow.com/questions/20416803/how-do-i-clear-the-previous-text-field-value-after-submitting-the-form-with-out>

=====

On PHP:

I followed:

<https://www.youtube.com/watch?v=oJbfyzaA2QA>

I was able to implement a simple PHP file using variables via HTTP POST and using the mail() function for my mail form in the contact page with the help of stack overflow, w3schools. This is where I learned about the \$_POST variable. I was able to collect the form data and use the php file to send emails.

http://w3schools.sinsixx.com/php/php_post.asp.htm

https://www.w3schools.com/php/func_mail_mail.asp

<https://www.youtube.com/watch?v=oJbfyzaA2QA>

I read the documentation on the twitter from:

<https://developer.twitter.com/en/docs.html>

https://www.wired.com/2010/02/get_started_with_the_twitter_api/

For my Twitter, I wanted to create a twitter app in my developers account to control the amount of tweets received to a certain amount of recent tweets using JavaScript. my account is still pending to get my consumer key.

I have put a timeline on the page so people can see my tweets and access it, also the users who are interested to comment on my reviews can use the button tweet to @exp_beauty to send me tweets.

ADDENDUM

Site compliance

I used <https://achecker.ca/checker/index.php> to check for errors and problems my website could have and fixed most problems. For my images I was using the actual file name in the alt= property.

Although, I believe there are misconception in the mapper as my logo image does not move while the page is loading.

I added the “lang” attribute in my html tag as per the site recommendation for browsers and search engine assist.

I added a title an attribute to my form tag for tooltip text info.

I added a sitemap.xml to my website using a site map generator and added the file to my website. It is said that sitemap help users land on important pages, although it is mostly important with websites with big archives.

The `<priority>` tag is used in XML sitemaps, by the webmaster, to signal the importance of individual pages in the website to Google and other search engines. I left it as it put more priority to my home page and this where I would like people to land first.

After fixing some issues the checker returns 89% site compliance. I still have to work on some potential issues that were pointed by the checker and I will look at this in more depth.

<https://landing.athabascau.ca/blog/view/4734964/website-accessibilities-and-potential-errors>

<https://yoast.com/what-is-an-xml-sitemap-and-why-should-you-have-one/>

<https://www.microsystools.com/products/sitemap-generator/help/xml-sitemap-priority-tag/>

SSL Certificate

I added an SSL certificate using my servers SSL generator and installed it on my domain. This creates security and encryption when users will use a login page or whatever future features, I will add that requires users to input sensitive data. The SSL will prevent their data to be visible otherwise promote trust and security.

UNIT 1 – LEARNING DIARY

For Unit 1 site design I have I have based the development of this work on my wife's interest to have website where she can review some beauty products from companies and create her own experience on many aspects of the beauty subject.

I wanted to relate the personas to the work to be done and what kind of experience the users would prefer. It is a subjective reflection, but I do think it reflects the desires of the personas and relating to their scenarios.

So, the potential audience for my website is people with interest in beauty products and who wants to relate with others experience.

The website will capture the people whose interest is to follow some new beauty trends and products and for companies or individuals who wish to further contact the admin of the website for testing products or talk about beauty related subjects.

I have done some websites for 2 or 3 years for some friend-clients in the years 2005 or around in html and css but never touched is before that course.

The design was not hard but time consuming while the thinking was more thorough.

For my mock-up and site map I used photoshop to make the graphics with pictures and png vectors from google image search.

UNIT 2 LEARNING DIARY and HTML SAMPLES

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 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). 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 maid it as a 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 no present to close the element paragraph HTML is no 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 `
` 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 `` 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 " ".

`` to ``

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 `` 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 `` in the unordered list. An unordered list makes bullet points for each list line between ``.

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 `` 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</h3>

The first 4 text in the table are missing closing cell element</td>.

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.

UNIT 3 CSS site styling LEARNING DIARY

In this unit I was able to learn how to style my documents (html) using CSS.

I had a hard time at first as I made the html with `
` everywhere and other elements to style the pages using only html. I also had to reorganize the html code to prepare it for the CSS styling. I wanted to make sure I do all the style only with CSS.

I had to remove previous tags and create other `<div>` to better manage my pages content by class. I gave class names for each content box that are targeted in CSS using the dot with the class name. In CSS, I learned about coloring the texts, background colors, controlling my content with divs by using CSS to align my div boxes and float to put them side by side.

Also, I added a clear-both in my CSS for the home page, so the footer doesn't come in the background of my recent reviews and news box. I learned that in order to create a scroll bar I had to use the `overflow: auto`. It takes the content of my text and keeps it inside the box and adds a scroll bar instead. I used it also inside my reviews page as there will be new reviews added in the future.

The navigation bar uses a: hover to change the colors when the mouse hovers it. I also learned about the box-sizing effect that fix a problem I had with layout in the home page news and recent reviews box. I learned about position but did not use it as the website uses the flow of the document and simple enough.

I also learned about the css syntax and level of ordering like when you want to call a `<p>` inside a class targeted element you can do it by doing `".classname p"` (without the `" "`).

If I had to redo this I would maybe re edit my header so the navigation bar follows. I followed the site design and matched the site to the personas in my initial design as well.

This was very refreshing to see all the new elements and syntax that you can use to style a webpage. It certainly creates a much more entertaining website than just html.

I used my book HTML and CSS by JOHN DUCKET and a small crash course from traversy media before I started. ([https:// www.youtube.com /watch?v=yfoY53QXEnI](https://www.youtube.com/watch?v=yfoY53QXEnI))

As I also navigated and learn through the w3schools tutorials and advanced tabs on the left. They gave me what I need in order to create a style that reflect my site design.

Unit 3 Added comment

While looking at my website through my phone on my server I realized my layout and the way I positioned my website content was not the best for user experience so I fixed it by removing the menu links since I already have a menu button with the links.

I also implemented a meta tag for responsiveness as explain in the w3schools.com website about the viewport property:

```
name="viewport" content="width=device-width, initial-scale=1.0"
```

I had to reposition my divs and make it so when you surf on my site with a phone the layout stays within appealing view boundaries.

This is important as in my design in unit 1 I made a scenario where the persona want to use the website with her phone or tablet. The first attempt was not a very good user experience.

Not it responds to the size of your device window and resizes the boxes and site in way that it is more easy to navigate and has a much better look.

UNIT 4 Script use, Augmentation and learning diary

Explanation and critique:

I found this unit was easier due to the fact that I had an introduction in c++ last session and an intro in java this session and I am comfortable around programming language structures. I learned a little about the syntax for JavaScript which will help in implement code for my program later.

I found the code while finding what kind of idea I would add using someone else code and I decided to add a second menu with rotating effect so when people have reduced visibility from the header the menu is still available.

Maybe I should have just added this menu only, but I find it better having the static menu combined with the transitioning menu and I know a persona who would like it on her tablet or device.

I used the section of w3schools JS Syntax in order to learn the syntax while looking at the code.

The code seems fine and well-structured I put a jquery code src link that I added inside the html and use the client-side (embedded) javascript language with <script> tag.

The code I use is from a tutorial: <https://www.youtube.com/watch?v=vKlq91Avgg8>

I applied it in my CSS and changed some attributes colors and background and I also had to do things a little differently, so my layout doesn't crumble. I added class names to the as in the tutorial it would not work as the specifier would not recognize the ul without being specifically pointed to the class name "ul".

I had some followed a crash course tutorial on youtube from the Traversy media channel. The link:

<https://www.youtube.com/watch?v=hdl2bqOjy3c>

I used the learnjquery.com website to learn the code used for the menu in the script. As I under the "document" means the page and it uses the function ready() test to check if the DOM is true. I learn in w3schools that in order to access the javascript library you need to apply the \$.

In the ('menbutton').click() use the object to tell when clicked the will be toggled to 0 degrees or 90 degrees when clicked again.

This brings me to the conclusion that the javascript language is really used to create interactivity between states of styles if I could say so. It is very interesting and I learned a lot from the crash course and I am comfortable to tackle the next unit.

UNIT 5 Writing JavaScript and learning diary

I thought it would be easy doing this unit due to the fact I had a good understanding in programming, but it seems when things relate together through html, CSS and JavaScript. It can become more complicated to find solution and debugging the problems.

I tackled this unit by trying to implement a code for gathering the data from the form in my contact page. I made variables using let for the name, email and message (textarea). Then I created a function called theForm() with if statements to check for equality: if the name variable is empty display a message. Same thing for each field...

Then I put the name, email and message in an array and return the array.

The idea was to bring the data from array to wherever I can bring it when I would get an api or send it to a server.

I went through w3schools tutorials and tried the form validation method in the js form part.

There are multiple errors in my code that I wish I could debug. At first, I tried to use the addEventListener to call using my form element id in the DOM but it would return an error on the browser tool and I was not able to find it. Then I found out about the form validation and that is what I was aiming for. Once the validation done through verifying that every fields are not empty. I could then take the value of the name, email and message and return them into an array.

For my variables I have an error. The variables are null but once I input them in the form and click the submit, I get an error that variables cannot be found before initialization.

I have yet to find this error in my browser or code.

I did not meet my persona requirements here, but I did learn a lot in JavaScript. I just could not go through my form data submission problem. This is a lesson on humility. I was confident that because I knew Java, this would be a piece of cake.

The tutorials in w3schools are good but for some reason my code doesn't seem to relate well with the html page. Although it is straightforward. I will be figuring this out pretty soon as I do not let things go.

Unit 5 ADDENDUM

I have made modification before and during Unit 6 on my JavaScript code an added 2 games related to my website theme. It uses a game of dice and a game of rock paper scissors to create a promo code for the user to use on companies products that the website will review.

I used pure JavaScript. I realize that, in unit 5 I jumped into the coding right away without enough knowledge of the syntax. Having knowledge of Java doesn't determine competency in JavaScript syntax.

After thorough studies into the w3schools website and some JavaScript documentation I was able to implement 2 games using only JavaScript. I also took the opportunity to clean up my code there were div container inside div bodies that were unnecessary.

I also took the time to comment my code as much as possible and restructured the code in a way that it will be better suited for future maintenance. It was necessary as I will implement new features later and wish to be able to easily read the code and understand what is where.

It is imperative to learn the syntax well, even if you have previous experience in programming. Do not let your pride confuse you as I did.

Well, now I feel better about my website.

Unit 6 Using Libraries "jQuery"

Before starting unit 6 I went back to do some JavaScript syntax reading and some more tutorials on w3schools website.

In unit 6 I learn about jQuery libraries, which is a breath of fresh air when you want to animate your webpages. You can create animation that makes your elements fly around in your page and it is quite fun to work with.

I was able to understand more about **UNIT 5** JavaScript syntax whilst using the libraries. I took the opportunity in this unit to learn more about the syntax in JavaScript and reimplemented my JavaScript code from unit 5 using a class and get/set methods by setting my variables name, email and message to element ID's

I also added a hover effect for the toggle menu in the header to make it easier to identify when a user comes to the website.

I reorganized my CSS commenting as well. Much easier to know what is where for later modifications.

You can look at the **jQuery API** documentation if you want to learn more about those methods. All you need to do is to type **jQuery api in google** and it should come as the first search result. Just **type the name of the method you want in the search bar** it pops out right away! At least it did for me.

I learned that you can use jQuery to use CSS properties within the same line of code. It helps when creating effects like setting opacity for example or any other selector in your DOM.

You can use basic selector to select any element in your document and manipulate it with your code. I also learned that you could manipulate all position of your elements using jQuery, but I left it as is. This is for another learning project.

For example: **\$('.div')** if it's a class or **(#div)** if you use id or even just the element name but **then you have to change the way you access specific elements in your DOM**. It lets you manipulate your elements and use methods from the library. I personally used the **hide/show method** to create a box opening effect from left to rightdown for the "recent reviews div" and right to leftdown for the "news div". Since the CSS files is set to "float="left" to recent reviews div class and right for the news class. It naturally flows from left to right or right to left when using the method hide/show.

In order to prevent text position distortion as the animation occur, I added the **delay()** and **slideDown() method** so once the content window and the text is completely load ,it starts to appear (slide down) at the box removing the weird effect I had before implementing that delay(). You can set the milliseconds you want the animation to take and adjust to your liking to create the right effect relationship between your animations.

I added the same effect to my other pages that have those with visible green content boxes. Creating a better feel to the site. As for the box with **static content (no scroll bar)** I used the **fadeIn()** to make the text slowly appear. Same thing for the header with the menu it changes the feeling you get when you enter the site and **fix some issues with text and image loading effect.**

I added the same type of coding effects for each page choosing different selectors with jQuery. It changed the site completely. It is like opening a gift now and uncovering a veil.

I tried as much as possible to follow the unit1 personas in order to please them if they were to come to the website. I still have to work on the part where if it were a phone or a tablet the design of the site still lets you see the reviews. Things are still straight to the point, when you enter the site it grows on you and you get access to the specificity of the products through the reviews. There will not be any ads or pop pups to this site whatsoever.

Unit 7

I followed some tutorials on Traversy media and went with the tutorials on w3schools and fix my email form to send data through the php file.

<https://www.airpair.com/js/jquery-ajax-post-tutorial>

<https://www.youtube.com/watch?v=82hmvUYY6QA>

I was able to go through my email form combining ajax and jQuery libraries with pure JavaScript with some help from stackoverflow.com and some php understanding with w3schools. I learned pretty useful functions like `append()`, `html()` and `done()` for my mail form. I found help online for this implementation with other websites as well but I don't remember the link.

<https://api.jquery.com/jquery.ajax/>

<https://api.jquery.com/deferred.done/>

<https://stackoverflow.com/questions/6085649/how-to-send-multiple-data-fields-via-ajax>

<https://www.youtube.com/watch?v=oJbfyzaA2QA>

https://www.w3schools.com/jquery/html_append.asp

For security with email form, use POST as w3schools as it will prevent users to eventually get spammed or other bad things that could happen if people catch their emails.

From w3schools:

Notes on POST:

- Appends form-data inside the body of the HTTP request (data is not shown in URL)
- Has no size limitations
- Form submissions with POST cannot be bookmarked

https://www.w3schools.com/tags/att_form_method.asp

I had some problems trying to clear the form after the message sends but using `document.getElementById('elementId').value=""`; fixed that issue

from: <https://stackoverflow.com/questions/20416803/how-do-i-clear-the-previous-text-field-value-after-submitting-the-form-with-out>

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On PHP:

I followed:

<https://www.youtube.com/watch?v=oJbfyzaA2QA>

I was able to implement a simple PHP file using variables via HTTP POST and using the mail() function for my mail form in the contact page with the help of stack overflow, w3schools.

https://www.w3schools.com/php/func_mail_mail.asp

<https://www.youtube.com/watch?v=oJbfyzaA2QA>

I read the documentation on the twitter from:

<https://developer.twitter.com/en/docs.html>

https://www.wired.com/2010/02/get_started_with_the_twitter_api/

For my Twitter, I want to create a twitter app in my developers account to control the amount of tweets received to a certain amount of recent tweets using JavaScript. my account is still pending to get my consumer key.

I have put a timeline on the page so people can see my tweets and access it, also the users who are interested to comment on my reviews can use the button tweet to @exp_beauty to send me tweets.

I followed some tutorials on Traversy media and went with the tutorials on w3schools and fix my email form to send data through the php file.

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