**Apply Your Knowledge**

The page content for this assignment reviews the basics of responsive web design. Research the CSS grid layout and provide a summary of this relatively new layout.

The W3C has a working draft for the CSS grid layout. It is a new layout model that provides control over sizing and positioning of elements and content.

**Extend Your Knowledge**

In this assignment, you learned how to use various position values. Which position are you most likely to use within a future design?

I think I will most likely use the sticky position for a future design project in order to keep certain elements within view.

**Analyze, Correct, and Improve**

You have worked with a several units of measurement, such as pixels, percentages, and ems. Research the vw unit of measurement and provide a summary of it.

The vw unit of measurement is relative to 1% of the width of the viewport. It grows and shrinks with the size of the viewport.

**Lab 1**

In this assignment, you used a custom Google Font. Review the fonts on Google Fonts and find provide another serif and sans-serif pairing for this project.

Serif: Lora

Sans-serif: Muli

**Lab 2**

You have learned how to add id and class attributes to an HTML element. Can an HTML element contain both an id and a class value? If so, provide an example of a style rule for the id and the class.

Yes, an element can contain both and id and a class attribute.

Example: <div id="info" class="round">

Style rule:

#info.round {

color: #000;

}

**Lab 3**

In this assignment, you used the border-radius property to apply rounded corners. Find another property that you have not yet used and describe its purpose. Provide an example.

I found a property called box-shadow, which is used to give an element a shadow.

Example:

main {

box-shadow: 8px 8x 5px #000;

}

**Your Turn 1**

In this assignment, designed a mobile-friendly navigation system. What resources did you use to accomplish this task?

I used my book and w3schools.com to help design my navigation system.

**Your Turn 2**

In this assignment, you revised your website for a mobile viewport. Open Google Chrome’s device mode and review the various windows in the developer tools pane. Locate the Styles section and find the user agent style sheet. Note that the margin has been crossed out? What does this mean?

The margin of 8px is crossed out because this is the user agent or browser’s style sheet. The style sheet used for my website overrides this declaration.

**Your Turn 3**

In this assignment, included a structural pseudo class. What is a dynamic pseudo class? Provide an example and explain how to use it.

A dynamic pseudo class is used to style an element based on its current state, such as a hover. With the hover pseudo class, you can style a navigation link to look different when you hover over it.

Example:

nav li a:hover {

color: #9900ff;

background-color: #f5e6ff;

}