Assignment 5 - Week 3

LECTURE 5 EXERCISES

**Task 1. Improving an HTML Document with Semantic Markup**

Download the “L5\_Practical Assignment\_Files.zip” from Moodle and unzip it to your local disk. Navigate to “analyze” directory.

**Instructions -> Perform the following tasks:**

·         Open the “analyze07.html” file in your editor and then modify the comment at the top of the page to include your name and today’s date. Add your name to the paragraph element located within the footer element near the bottom of the page.

·         Open the “styles07.css” file in your editor and then modify and correct the comment at the top of the document to include your name and today’s date.

·         In the “analyze07.html” file, review the current div elements used to structure content and replace them all with header, nav, main, section, article, aside, and footer HTML 5 semantic elements. Do not replace the div id="container" element.

·         Add a class attribute with the value of “grid” to every article element.

·         In the “styles07.css” file, add missing HTML 5 semantic elements to the CSS reset style rule.

·         In the “styles07.css” file, add a declaration to the section style rule that sets the background color to #9d4502.

·         Add another declaration to the section style rule that sets the top and bottom margin to 1% and the left and right margin to 0.

o   [https://www.w3schools.com/css/css\_margin.asp](http://webvpn.njit.edu.cn/https/77726476706e69737468656265737421e7e056d230637b53760786a08b1b203ac9/css/css_margin.asp)

·         Add a declaration to the aside style rule that specifies a text shadow with the values 4px 4px 8px #fc7307.  Add another declaration to the aside style rule that specifies a box shadow with the values 4px 4px 10px #183440.

o   Use W3Schools tutorials and study about CSS text-shadow and box-shadow

·         In the tablet media query, add a style rule for the grid class selector that sets the display to a grid,  creates three columns with the grid template columns property, and sets the grid gap to  20px.

o   [https://www.w3schools.com/css/css\_rwd\_mediaqueries.asp](http://webvpn.njit.edu.cn/https/77726476706e69737468656265737421e7e056d230637b53760786a08b1b203ac9/css/css_rwd_mediaqueries.asp)

o   [https://www.w3schools.com/css/css\_grid.asp](http://webvpn.njit.edu.cn/https/77726476706e69737468656265737421e7e056d230637b53760786a08b1b203ac9/css/css_grid.asp)

o   [https://www.w3schools.com/cssref/pr\_grid-template-columns.asp](http://webvpn.njit.edu.cn/https/77726476706e69737468656265737421e7e056d230637b53760786a08b1b203ac9/cssref/pr_grid-template-columns.asp)

o   [https://www.w3schools.com/cssref/pr\_grid-gap.asp](http://webvpn.njit.edu.cn/https/77726476706e69737468656265737421e7e056d230637b53760786a08b1b203ac9/cssref/pr_grid-gap.asp)

·         In the tablet media query, add a style rule for the aside element that creates one grid column that spans three columns.

o   [https://www.w3schools.com/cssref/pr\_grid-column.asp](http://webvpn.njit.edu.cn/https/77726476706e69737468656265737421e7e056d230637b53760786a08b1b203ac9/cssref/pr_grid-column.asp)

·         Review the various favicons in the analyze07\images folder. Study how they have been used in “analyze07.html”.

·         Validate your CSS file using the W3C validator and fix any errors that are identified.

·         Validate your HTML webpage using the W3C validator and fix any errors that are identified.

**Task 2. Student Club**

Download the “L2\_Practical Assignment\_Files.zip” from Moodle and unzip it to your local disk. Navigate to “student” directory.

**Instructions -> Perform the following tasks:**

·         Review current pages to determine where you can replace div elements with article, section, or aside elements, and then update those elements as appropriate. Add these elements to the CSS reset style rule.

·         Review current pages to determine where you can integrate figure elements and at least one figcaption element. Add these elements to the CSS reset style rule.

·         Create a new page for your website. Use your “template.html” file to create the new page. Add the current date to the comment near the top of the page, and update the file name and the text within the title element.

·         Style your new elements or create and style class attributes to style the new element content.

·         Integrate and use the CSS grid layout within your website. Include a style rule that spans an element across at least two grid columns.

·         Create and add a favicon to all HTML pages within the website

·         Validate your CSS file using the W3C validator and fix any errors that are identified.

·         Validate your HTML webpage using the W3C validator and fix any errors that are identified.