Assignment 6 - Week 4

LECTURE 6 EXERCISES

**Adding a Table and Form to the Future Technologies Website**

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

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

·      Open the “index.html” in your web browser and explore all webpages within the website.

·      Open and study all existing HTML documents and related CSS file in your editor. Try to understand the existing source-code behind the website.

·      Create a new page called “nanotech.html” using the existing template.

o   Create a table within the new webpage.

o   Use a minimum of eight rows and five columns for your table. Use at least one rowspan or colspan within your table.

o   Populate your table by entering some dummy data

o   An example of the completed webpage is shown in Figure 1

·      Update the CSS file to:

o   Style alternating rows differently.

o   Add several CSS styles to your table. Add comments to note all changes and updates. You can use the below links as your references:

§  [https://www.w3schools.com/css/css\_table.asp](http://webvpn.njit.edu.cn/https/77726476706e69737468656265737421e7e056d230637b53760786a08b1b203ac9/css/css_table.asp)

§  [https://www.w3schools.com/css/css\_table\_size.asp](http://webvpn.njit.edu.cn/https/77726476706e69737468656265737421e7e056d230637b53760786a08b1b203ac9/css/css_table_size.asp)

§  [https://www.w3schools.com/css/css\_table\_align.asp](http://webvpn.njit.edu.cn/https/77726476706e69737468656265737421e7e056d230637b53760786a08b1b203ac9/css/css_table_align.asp)

§  [https://www.w3schools.com/css/css\_table\_style.asp](http://webvpn.njit.edu.cn/https/77726476706e69737468656265737421e7e056d230637b53760786a08b1b203ac9/css/css_table_style.asp)

§  [https://www.w3schools.com/css/css\_table\_responsive.asp](http://webvpn.njit.edu.cn/https/77726476706e69737468656265737421e7e056d230637b53760786a08b1b203ac9/css/css_table_responsive.asp)

·      Create a new page called “insight.html” using the existing template.

o   Add a form to your new webpage.

o   Include a minimum of eight form elements, including a Submit button. Include at least two fieldsets and two legends. Add the required attribute to at least two input elements. Add a placeholder attribute to at least one input element.

§  ***Use W3Schools tutorials to learn about HTML fieldsets, legends, required attribute, and placeholder attribute.***

o   An example of the completed webpage is shown in Figure 2

·      Update the CSS file to:

o   Add several CSS styles to your form and its elements. Add comments to note all changes and updates. You can use the below link as a reference:

§  [https://www.w3schools.com/css/css\_form.asp](http://webvpn.njit.edu.cn/https/77726476706e69737468656265737421e7e056d230637b53760786a08b1b203ac9/css/css_form.asp)

·      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.

RESEARCH TASKS

CAREFULLY STUDY THE BELOW LINKS:

·      HTML Table Tags

o   [https://www.w3schools.com/tags/tag\_table.asp](http://webvpn.njit.edu.cn/https/77726476706e69737468656265737421e7e056d230637b53760786a08b1b203ac9/tags/tag_table.asp)

o   [https://www.w3schools.com/tags/tag\_th.asp](http://webvpn.njit.edu.cn/https/77726476706e69737468656265737421e7e056d230637b53760786a08b1b203ac9/tags/tag_th.asp)

o   [https://www.w3schools.com/tags/tag\_tr.asp](http://webvpn.njit.edu.cn/https/77726476706e69737468656265737421e7e056d230637b53760786a08b1b203ac9/tags/tag_tr.asp)

o   [https://www.w3schools.com/tags/tag\_td.asp](http://webvpn.njit.edu.cn/https/77726476706e69737468656265737421e7e056d230637b53760786a08b1b203ac9/tags/tag_td.asp)

o   [https://www.w3schools.com/tags/tag\_caption.asp](http://webvpn.njit.edu.cn/https/77726476706e69737468656265737421e7e056d230637b53760786a08b1b203ac9/tags/tag_caption.asp)

o   [https://www.w3schools.com/tags/tag\_thead.asp](http://webvpn.njit.edu.cn/https/77726476706e69737468656265737421e7e056d230637b53760786a08b1b203ac9/tags/tag_thead.asp)

o   [https://www.w3schools.com/tags/tag\_tbody.asp](http://webvpn.njit.edu.cn/https/77726476706e69737468656265737421e7e056d230637b53760786a08b1b203ac9/tags/tag_tbody.asp)

o   [https://www.w3schools.com/tags/tag\_tfoot.asp](http://webvpn.njit.edu.cn/https/77726476706e69737468656265737421e7e056d230637b53760786a08b1b203ac9/tags/tag_tfoot.asp)

o   Styling Tables: [https://www.w3schools.com/css/css\_table.asp](http://webvpn.njit.edu.cn/https/77726476706e69737468656265737421e7e056d230637b53760786a08b1b203ac9/css/css_table.asp)

·      HTML Forms Tags

o   [https://www.w3schools.com/html/html\_forms.asp](http://webvpn.njit.edu.cn/https/77726476706e69737468656265737421e7e056d230637b53760786a08b1b203ac9/html/html_forms.asp)

o   [https://www.w3schools.com/html/html\_forms\_attributes.asp](http://webvpn.njit.edu.cn/https/77726476706e69737468656265737421e7e056d230637b53760786a08b1b203ac9/html/html_forms_attributes.asp)

o   [https://www.w3schools.com/html/html\_form\_elements.asp](http://webvpn.njit.edu.cn/https/77726476706e69737468656265737421e7e056d230637b53760786a08b1b203ac9/html/html_form_elements.asp)

o   [https://www.w3schools.com/html/html\_form\_input\_types.asp](http://webvpn.njit.edu.cn/https/77726476706e69737468656265737421e7e056d230637b53760786a08b1b203ac9/html/html_form_input_types.asp)

o   [https://www.w3schools.com/html/html\_form\_attributes.asp](http://webvpn.njit.edu.cn/https/77726476706e69737468656265737421e7e056d230637b53760786a08b1b203ac9/html/html_form_attributes.asp)

o   [https://www.w3schools.com/tags/tag\_fieldset.asp](http://webvpn.njit.edu.cn/https/77726476706e69737468656265737421e7e056d230637b53760786a08b1b203ac9/tags/tag_fieldset.asp)

o   Styling Forms: [https://www.w3schools.com/css/css\_form.asp](http://webvpn.njit.edu.cn/https/77726476706e69737468656265737421e7e056d230637b53760786a08b1b203ac9/css/css_form.asp)