

COMP 1170 - Assignment 2: HTML tables, forms and CSS Basics

Due on Oct 30 at 5.00 pm

Submission:

You will submit the following files:

1. You will create and submit a PDF named assign1_<yourname>.pdf. It will have the following:
 - a. Screenshot of all 3 pages for section 1 with styling added
 - b. Screenshot of the page for Section 2 with styling added
 - c. All questions answered in Section 3
2. A **separate zip file** named assign1_<yourname>.zip with all the html, css and other assets for both sections 1 and 2.

Marking:

Section 01 : 3.5 marks

Section 02 : 5 marks

Section 03 : 1.5 marks

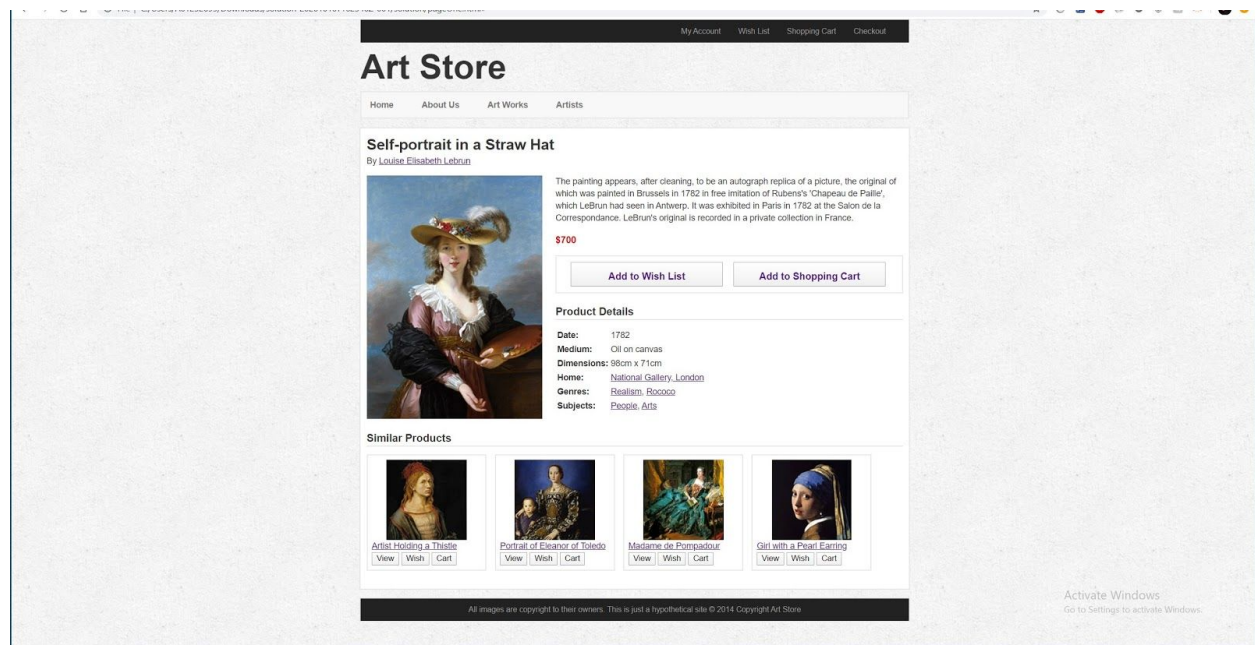
Section 01:

You will be modifying Assignment 1 you created by adding styling to all your pages using an external stylesheet. The colors, margin and other styling you would like to use to complete the following is your choice..

But you must include the ATLEAST following in your stylesheet:

- 2 or more class selectors per page
- 2 id selectors per page
- 1 attribute selectors per page
- 1 pseudo-class selector
- 1 pseudo-element selector
- Style your navigation to have a hover effect on it, have borders and color on it.
- Add a gradient to the background of all your pages. Use both linear and radial gradients as needed for your styling.
- Add borders around your images to highlight them.

Once you have added all the styling, **the page must look well styled**. You can look at the following for an example. But keep in mind that you have not learned positioning in CSS yet, so you're not expected to add that in your webpage.



Section 02:

This section consists of a part of Lab 05 that you were assigned as an ungraded lab (*Questions o, p and q are new in the CSS section*). You could reuse the components from what you completed from it, for this section.

Create a new html document index.html with the following elements in it. You can add any content you want within those elements:

- a. <html>
- b. <head>
- c. <body>
- d. <meta>
- e. <title>
- f. <header>
- g. <footer>
- h. <main>
- i. <h1>
- j. 2 <h2> with at least 100 words of content in it and both having their class attribute value as "here"
- k. 3 <div> each with same class attribute value but different id attribute values
- l. 2 <p> inside 1st and 2nd <div> each with different class attribute value and id attribute values
- m. with 3 items in the list
- n. with <figure> and <figcaption>
- o. <time> - refer https://www.w3schools.com/tags/tag_time.asp
- p. 2 <a> each with the text "Google" and "Bing" written on those. Place one of these <a> elements within the <footer> you created.

Add the following styling to elements of index.html by using an external stylesheet(discussed lecture 04) called main.css, so that it includes the following. You can use any selector unless mentioned specifically to use a particular selector:

- a. For <h1> and <h2>, change their colour to any shade using rgb format for <h1> and hexadecimal format. Use element selector here, separated with comma
- b. Use background property on one of the <div> by using id selector. You can now use this property as you like to add background color, image, etc
- c. Using the Box model, change the <figure> width to 600 px and height to 200 px. Also add a margin and padding of 20 px to it. Make sure to use "box-sizing:

border-box” with it. Compare the difference between using border-box as the box sizing.

- d. Add a border to one of the <p> with a color of your choice using id selector.
- e. Using class selector, change the padding on all <div> to be 20 px on top, 30 px on right, 10 px on bottom and 30 px on left. Use TRBL shortcut for achieving this.
- f. Using pseudo-class selector, style the links <a> to have different colors when unvisited, active, visited and hovered on.
- g. Using the attribute selector set the height of the elements that have the class attribute starting with “he”. For these elements, set the height to 20 px and the overflow as auto.
- h. Using a pseudo-element selector, style the first character of all <p> to be in the color Brown.
- i. Modify your unordered list with image bullets of your choice Ref: https://www.w3schools.com/cssref/pr_list-style.asp
- j. Now, modify the image within the figure element, and all the <p> tags to have a margin of 10 px on the top and bottom.
- k. Modify your image within the figure element to have a padding and dashed border.
- l. For the 1 <a> tag you have within the footer, change styling using :hover. Use the help of contextual selector for this
- m. Style your <figcaption> to have background color and hover effect.
- n. Modify the <footer> and <header> to have the background color of your choice.
- o. Add 1 external/web font to your page using google fonts. Highlight that text with a thin dashed border around it.
- p. To your <main> section, add repeating linear gradients using at least 3 colors.
- q. Add 2 shadows on the <h1> text. You can use any color but the transparency should be set at 0.5.
- r. Add any other styling you deem necessary or want to practise (for example: resizing the images)

Section 03:

Answer the following questions in 150-250 words:

1. Discuss gradients in CSS with different types and syntax for each.
2. What is the difference between input type button, submit and reset. Use it in a short example to discuss.
3. In the HTML table, what is rowspan and colspan. Why is it needed? Discuss with example.