ISTE 140 Midterm Practical - 2225

Overview
The practical exam requires demonstration of technical skills to develop a web page with images that passes HTML & CSS validation. There is no need to change any existing Solace folders or their contents to complete this practical.

Exam Policies
- Allowable resources include one 8.5"x11" handwritten cheat sheet and the W3Schools web site. MyCourses & Zybooks will not be allowed. Sharing materials is not allowed.
- Viewing the contents of any web pages, including Google or any HTML tutorial sites is strictly prohibited. The only exception is the use of W3Schools.
- All HTML and CSS created for this practical must be done "by hand" in a code editor

Submitting Exam
Your work must be uploaded to Solace in the specified location. Additionally, there will be a dropbox on MyCourses that you will be asked to submit a .zip file containing your work to. You must include a comment on your MyCourses submission with a link to what you uploaded to Solace. Failure to complete either part of this process will result in a failing grade.

IMPORTANT: Once the practical examination has been completed, DO NOT ATTEMPT TO REVISE ANY MATERIAL AT A LATER TIME. If the date/time stamp of the files associated with this exam indicate modifications after the completion of the exam, a ZERO will be given for the entire midterm exam and practical, and an "F" will be given for the course.

Exam Requirements
- All styles created must be in an external style sheet named styles.css.
- If CSS fails to display properly, it usually means a missing a colon, semi-colon, or curly-brace.
- The file, finished _site.png, is what the final result should approximate. (find the finished website photo in the zip of starter files)

Initial steps:
- Download the midterm2225_practical_start.zip file and extract the contents:
  - index.html
    styles.css
    castle_geyser.jpg
    devils_tower.jpg
    seedskadee.jpg
    tetons.jpg
    state_seal.png

finished_site.png (an approximation of the final site)

- Use **FileZilla** to establish an SFTP connection to Solace

Web Page Requirements

1. Create a new directory in 140 named midterm2225 with 755 permissions|

2. Upload all starter files except finished_site.png and verify index.html works with a browser.

3. Add code to index.html linking to styles.css, upload and test again.

4. Write the necessary HTML markup and CSS so that the page meets the following requirements shown in the remaining steps. Continue to upload versions of index.html and styles.css to verify results.

    Choose fonts to create a concordant pairing (aka: do your best here to choose good fonts using what we have learned this semester: https://99designs.com/blog/tips/typefacepairing-principles/) and analogous color combinations (https://pinetools.com/analogouscolor-scheme), including neutral tones. Don't stress out on this part too much, we are just giving you the power to pick colors this semester and not requiring specific ones!

5. The page title is: Your name's Midterm Practical (for example: Jane Doe's Midterm Practical)

6. Give the body content a background a color from your chosen color palette, a margin of 2em, and set your font-family.

7. Inside the <body> element, create a <header> container.

8. 12. Inside the <header>, insert a <figure class="right"> block to float its contents to the right with 1.5em padding on the left. Inside the figure block, insert the image state_seal.jpg with width and height of 128 px.

9. Place the text "Wyoming " in an <h1> block inside the header.

10. With appropriate CSS, center the <h1> block contents, and give the text a color and size.

11. Give the header element a background color, and a border-left property with a contrasting color to balance the weight of the right floated image. Provide margin and padding to control alignments and spacing.

12. After the header, create a <main> element to enclose the remaining content.

13. Use <h2> blocks for the paragraph headers: The State, The Land, Original Inhabitants, and Economy. Use CSS to provide a text size and color, and margins to create comfortable spacing.

14. Create a definition to control the paragraphs font-size, weight and line-height. Use margins to control spacing and alignment.

15. Find the text: . . . Cheyenne is the state capital . . . and enclose only those words in a <span> container. Use a CSS rule that gives these words a greenyellow (#ADFF2F) background color.

16. Just after The State heading, insert image seedskadee.jpg using appropriate markup. Set the attributes of width to 300 px and height to 150 px. If, for some reason, the image does not load, use "seedskadee" as alt attribute.

17. Use a class="left" for this image and the CSS to float it to the left with 1.5em padding on the right.

18. Just after The Land heading, insert two <figure class="right"> blocks to float the inserted images castle_geyser.jpg and devils_tower.jpg respectively, each with width of 300 px, height of 200px, and image name for the alt attribute.

19. Just before Original Inhabitants heading, insert a <figure class="center"> block.

20. Inside this figure, insert the image tetons.jpg with an alt attribute of pano-view, width of 1024 px and height of 198 px.

21. Below the tetons image but inside the figure tag, add a <figcaption> block with text Tetons Panorama View.

22. Center the figcaption block under the image, color the text and display at font-size 120%. Adjust the margin to control spacing.

23. Add a <footer> block to display at the bottom of the page.

24. Insert <p class="copyright"> block inside the footer showing a copyright symbol, date and your name.

25. Style the copyright class to color the text, display at 85% of the normal font-size, and aligned to the right.

26. Error free HTML validation: https://validator.w3.org

27. Error free CSS validation: https://jigsaw.w3.org/css-validator/

28. 32. Do a final upload of index.html, styles.css and images to Solace. Double check permissions again (755 for folders, 644 for files).

29. Zip the midterm2225 directory and submit it to the appropriate dropbox in MyCourses.