

## Essay Midterm

This is the midterm exam for Web Development and Design. The midterm is 10% of your grade, so please give each question some careful thought. Your grade is based on the **quality** and **clarity** of your answers to the following essay questions, not necessarily their length. This is a college-level class; so of course I expect you to observe grammatical rules, ensure that your answers are free from typos, use correct punctuation, etc.

You may use the *Murach* text, the Web, and any other text resources you desire as you answer the following questions, but your work should be your own effort. If you use information from a text or web site as part of your answer, please cite the source. Plagiarism in any form will result in a failing grade.

1. Reflect on what YOU think is the main function of HTML? (Please cite your personal opinion, reinforced with some facts and explanation. Note that I am looking for more here than 'the language you use to create web pages!') What implications does this have for sites you design? How has it affected the design of your project site so far? Citing specifics generally improves the scoring on this question!
2. Navigate to <https://www.accessibilitycloud.com/> - what is this site used for? (Please go beyond the one-sentence site slogan, and of course, no copying and pasting!) How important are these issues in the design of your site? Why or why not? If an issue is not important in your site, when and to whom might it be important? (Please give an explanation for your answer, not just a 'yes' or 'no'.)
3. Sign up for a free account with Accessibility Cloud (at <https://app.accessibilitycloud.com/?ref=web>) and, once logged in, evaluate the home page of your published site. List the URL of the page you tested. View the summary information and the individual Page reports. There is a lot to see here - make sure to click on any listed errors to drill down to details and explanations.

What are the results? (Please summarize the significant results rather than copying and pasting). Do you understand all of the suggestions? Where could you go for more explanation? Are these changes you will make? Why or why not?

4. Navigate to <https://www.dupllichecker.com/screen-resolution-simulator.php> - what is this site used for? How important is this issue in the design of your site? Why or why not? If this issue is not important in your site, when and to whom might it be important? (Please give an explanation for your answer, not just a 'yes' or 'no').

5. Use this to evaluate your home page, and any other pages you wish. To do so:
  - a. type in a complete URL, including the `http://` portion of the address
  - b. DISREGARD THE GIANT GREEN BUTTON. Do not download any toolbars or accessories.
  - c. Carefully look for and click ONLY on the *Check Screen Resolution* button.
  - d. Be sure to try at least 3 different types of devices. List the URL(s) of the page(s) you tested. What are the results? What implications does this have for your site design? What changes will you make to your site based on the results? Explain.
  
6. Navigate to <http://validator.w3.org> - what is this site used for? How important is this issue in the design of your site? Why or why not? If not, when and to whom might this issue be important? (Please back up your answer with reasons!)
  - a. Note that your page must contain the correct document type declaration in order for this site to work. It is not sufficient to record that the tool would not evaluate your site. Make it work or ask for help in making it work.
  - b. If you get a message indicating that the tool is unable to work with your web host (some servers occasionally reject requests from the [validator.w3.org](http://validator.w3.org) site when they are experiencing a high traffic volume) then use the Extended File Upload Interface link instead, with the same settings described in (6a).
  
7. List the URL of the page you tested. What are the results? (Please summarize the results, rather than copying and pasting). Do you understand all of the suggestions? Where could you go for further information? Are there changes you will make? Which ones, and why or why not?