CS212: Web Programming – Spring 2018

Homework	Points	Announced	Due
#2	20[1]	Jan-28	Feb-01

Introduction

In this homework, we will experiment with the W3C validator and will develop a simple one-page website that uses basic HTML elements.

References

1. Chapter 2 of the textbook; Web Programming Step by Step
2. HTML: HyperText Markup Language; MDN Web Docs
3. HTML Element Reference; W3Schools

General Guidelines

Read the following guidelines carefully before working on this assignment.

1. This is an *individual* homework assignment. You may discuss ideas, ask questions or explain things to your colleagues. Nevertheless, you should solve the problem(s) independently.
2. You should submit your *own work*. Material brought from elsewhere (e.g. the Internet[2], a classmate, submission at a previous offering…) is not acceptable.

Submission Instructions

1. Submissions via email will not be accepted. The homework should be submitted via BBLearn by the due date.
2. For question #1, submit two files: 1) a modified Q1.html file that validates without errors and 2) a PDF file (Q1.pdf) with a list of errors and how you have corrected them.
3. For question #2, submit an index.html file and any other files your page uses such as images, via BBLearn *and* include the link of your hw2 folder in the submission comment box. You may compress your files and upload a single archive. Only .zip archives are allowed.

Questions

[6 points] Question #1

The World Wide Web Consortium (W3C) is an international organization that maintains and develops the standards for the World Wide Web. You can read more about W3C here: https://www.w3.org/Consortium/

The W3C offers validation services for different WWW standards. These services allow Internet users to check the correctness of HTML, XHTML and CSS documents among other types. The HTML validator is accessible via this link: https://validator.w3.org

Although the attached Q1.html file will be displayed correctly by most browsers, it has errors due to HTML rules violations. Use the W3C HTML validator to find the errors in this file. Then, modify the file to pass validation without errors. You may ignore warning messages but must find and correct all errors. You will receive *six* error messages that can be fixed by introducing *four* changes to the file.

Grading Rubric	
Component	Points
Fixing an error	1

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[1] The homework will be graded out of 40 points, but it is worth 4% (i.e. 4 points) of the overall course score.
[2] Unless explicitly asked to do so.

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[14 points] Question #2

You will develop a personal web page and host it at your CEFNS/CEIAS homepage. Follow these steps:

1. Create an index.html file. Using HTML elements, add basic information about yourself such as:
   a. Your name
   b. A brief description of you in 2-3 sentences
   c. A list of classes you are currently taking at NAU
   d. Your four favorite movies, books, games or TV shows. Make at least one link to a web page such as a movie IMDB page.
   e. Two images that represent when you are happy and sad (You can use Google Image Search)
   f. Something funny about two of your friends/colleagues/neighbors…

2. Upload index.html and any other files needed for your page such as images, to your CEFNS/CEIAS homepage inside a folder named *hw2*. If your CAS ID is id123, then navigating to (https://cefns.nau.edu/~id123/hw2) should display your index.html file.

Hints:

- You may use the attached sample as a model
- Try avoiding tags/attributes that are deprecated in HTML5

Grading Rubric	
Component	**Points**
Implementing requirement a	2
Implementing requirement b	2
Implementing requirement c	2
Implementing requirement d	2
Implementing requirement e	2
Implementing requirement f	2
Page is inaccessible via CEFNS/CEIAS URL	-4

With best wishes
Dr. Mohamed Elwakil