SC-T-213-VEFF - Web Programming I

Lab Assignment 1 – HTML

Reykjavik University   Deadline: **2019** 23:55

The topic of this assignment is: **Writing HTML code**.

1   Part I: Text to HTML

In this first part of the assignment, your task is to convert a text file to HTML. The text file is part of the zip archive and is named *httpIntro.txt*. Convert the text to a single HTML5 document fulfilling the following requirements:

1. Html, head and body and doctype tags shall be added correctly.

2. The title of the HTML document shall be identical to the name of the text file (minus the .txt ending)

3. Headings shall be defined correctly. The main heading should be enclosed with an h1 tag, while numbered headers (1., 2., 2.1, etc.) shall be consistent (the same header tag for all headers on the same level) and semantically correct (a sub-header has a smaller size than its header).

4. Text shall be enclosed in p tags, ensuring that each paragraph has its own tag.

5. Text in quotation marks (e.g., "Hello") shall be presented bold (and the quotation marks omitted).

6. Lists shall be encoded properly, preserving the list type from the text file.

7. The textual table in Section 3 shall be replaced with an HTML table.

8. Hyperlinks shall be clickable and link to the website that their text specifies.

9. Whenever the text references to a later section (e.g. "See Section X for..."), the section number shall be clickable and link to the actual section in the same document.

10. The document shall validate as an HTML 5 document without errors in the W3C validator (https://validator.w3.org), using automatic detection for the document type.

2   Part II: HTML Forms

The second part of the assignment targets HTML forms. Create a second HTML5 document that contains a form with exactly the same elements as the form displayed in the attached screen shot (forms.jpg). Both the content and the structure need to be identical to the screen shot - the layout (e.g., spacing) is not relevant. The document shall adhere to the following requirements:

1. All input fields shall have the exact same default values as in the screen shot (i.e., default texts for input boxes and textareas, and default selections for radio buttons/checkboxes).

2. All form elements in the Course context box shall be disabled (we assume that they have been automatically filled in by a script).

3. The textarea in the last box shall by default be 10 rows by 50 columns large.

4. The id attribute for each form element shall be unique. The name attribute can exist multiple times, when this is necessary.

5. The submit button in the bottom shall cause the form to send the form data to submitEval.php via a POST request in a new window/tab.

6. The document shall validate as an HTML 5 document without errors in the W3C validator (https://validator.w3.org), using automatic detection for the document type.

   Note: We reserve ourselves the right to deduct points if spelling mistakes become excessive (or feel intentional).

Submission

The lab is submitted via Canvas. The following deliverables need to be included:

1. An HTML document called *httpIntro.html* as a solution for Part I

2. An HTML document called *forms.html* as a solution for Part II