



Lab assignment (W2) - Writing HTML

T-213-VEFF, Vefforritun, 2024-1

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This lab assignment is a supplementary assignment. The assignment is optional and created for you to practice but will not be graded. The topic of this assignment is: **Writing HTML**

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 should be added correctly.
2. The title of the HTML document should be the same as the name of the text file (minus the .txt ending)
3. Headings should be defined correctly. The main heading should be enclosed with an `h1` tag, while numbered headers (1., 2., 2.1, etc.) should 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). Text should be enclosed in `p` tags, ensuring that each paragraph has its own tag.
4. Text in quotation marks (e.g., "Hello") should be presented in bold (and the quotation marks omitted).
5. Lists should be encoded properly, preserving the list type from the text file.
6. The textual table in Section 3 should be replaced with an HTML table.
7. Hyperlinks should be clickable and link to the website that their text specifies.

8. Whenever the text references a later section (e.g. "See Section X for..."), the section number should be clickable and link to the actual section in the same document.
9. The document should validate as an HTML 5 document without errors in the W3 validator (<https://validator.w3.org>), using automatic detection for the document type.

Part II: HTML Forms

The second part of the assignment targets HTML forms. Create a second HTML5 document that contains a form with the same elements as the form displayed in the attached screenshot (forms.jpg). Both the content and the structure should be identical to the screen shot - the layout (e.g., spacing) is not relevant. Please note that some HTML elements look different between browsers and even operating systems (e.g. the Select tag).

The document should adhere to the following requirements:

1. All input fields should have the exact same default values as in the screen shot (i.e., default texts for input boxes and text areas, and default selections for radio buttons/checkboxes).
2. All form elements in the Course context box should be disabled (we assume that they have been automatically filled in by a script).
3. The text area in the last box should by default be 10 rows by 50 columns large.
4. The id attribute for each form element should be unique. The name attribute can exist multiple times, when this is necessary.
5. The submit button in the bottom should cause the form to send the form data to submitEvaluation.php via a POST request in a new window/tab.
6. The document should validate as an HTML 5 document without errors in the W3C validator (<https://validator.w3.org>), using automatic detection for the document type.