SC-T-213-VEFF - Web Programming I

Project Assignment 1 – HTML & CSS

Reykjavik University   Deadline: **8th February 2019, 23:59**

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

1   Building a web site based on a sketch

In the supplementary material of this assignment, you find three screenshots of a responsive web site (*page_850px.jpg*, *page_851px.jpg* and *page_1201px.jpg*). As the file names suggest, these show the web site at a width of 850 pixels, 851 pixels and 1201 pixels.

Your task will be to implement this website so that it resembles the screenshots as closely as possible[1]. You will deliver the web site as a single HTML file and a single CSS file. The used image files can be found in the supplementary material. The used font is *Arsenal* from Google Fonts. To figure out the colours we used, you can use tools such as https://imagecolorpicker.com/.

The following requirements need to be fulfilled in your solution:

1. Doctype, html, head and body tags shall be added correctly.

2. The HTML 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.

3. The CSS document shall validate as correct CSS with the *CSS Level 3 + SVG* profile in the W3C CSS Validator (https://jigsaw.w3.org/css-validator).

4. All dimensions (font sizes, paddings, margins) shall be as close to the screenshots as possible.

5. All images and text shall be as in the screenshots.

6. All images shall have an alt attribute, containing the filename of the image minus the ending (e.g., the image *chicken.jpg* shall have the alt attribute *chicken*).

7. The first two items in the header ("Our Menu" and "Home") shall be hyperlinks pointing to nowhere (*href=""*).

8. The search field and button shall be part of a form that leads to the same page on submit (using a POST request).

9. The email in the footer shall be an email link (with the same address as in the text).

10. The web site shall be responsive. That means that all boxes re-size automatically when the width of the screen (or browser window) changes. The following sub-requirements apply:

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[1]Note that the software used to take the screenshots has caused some irregularities in the screenshots, e.g., the lower three images in *page_1201px.jpg* are cut a bit. It's not part of the assignment to imitate this!

(a) The maximum width of the header and footer shall be 1200px.

(b) The header and footer shall be centered.

(c) When the screen is larger than 1200px in width, the six boxes containing dishes ("food boxes") shall be aligned in rows of three (as shown in *page_1201px.jpg*).

(d) When the screen is between 851px and 1200px in width, each row shall contain two food boxes (as shown in *page_851px.jpg*).

(e) When the screen is smaller than 851px, food boxes shall be visible under each other (as shown in *page_850px.jpg*). Additionally, the two links and the search form in the header menu shall disappear and be replaced by a list symbol (use the *≡* symbol in HTML) that links to nowhere (*href=""*).

11. All CSS code shall be placed in its own CSS file. No inline CSS is allowed.

12. No external CSS files (e.g., Bootstrap) are allowed. The only exception is for including fonts.

13. There shall be no use of JavaScript.

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

Submission

The lab is submitted via Canvas. Submit a zip file containing one HTML and one accompanying CSS file.