

SC-T-213-VEFF - WEB PROGRAMMING I

ASSIGNMENT 1 – HTML & CSS

Reykjavik University

Deadline: **10th February 2020, 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 four screenshots of a responsive web site (*page_650px.jpg*, *page_651px.jpg*, *page_1000px.jpg* and *page_1001px.jpg*). As the file names suggest, these show the web site at a width of 650 pixels, 651 pixels, 1000 pixels, and 1001 pixels respectively.

Your task will be to implement this website so that it resembles the screenshots as closely as possible. You will deliver the web site as a single HTML file and a single external CSS file. The used image files can be found in the supplementary material. There are two used fonts: *Montserrat* and *Ibarra Real Nova* 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. 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.
2. 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>).
3. All dimensions (font sizes, paddings, margins) shall be approximately correct. This means that they do not have to be exact, but they shall not cause wrong layouting.
4. All images and text shall be as in the screenshots. Both are supplied in the supplementary material.
5. All images shall have an alt attribute, containing the name of the person the picture belongs to.
6. The first two items in the header ("Hire" and "Fire") shall be hyperlinks pointing to nowhere (*(href="")*).
7. The search field and button (which is a submit button) shall be part of a form that leads to the same page on submit (using a POST request).
8. The email in the footer shall be an email link (with the same address as in the text).
9. 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:
 - (a) The header and footer shall be centered.

- (b) When the screen is larger than 1000px in width, the five boxes containing persons ("person boxes") shall be aligned in rows of four (as shown in *page_1001px.jpg*).
 - (c) When the screen is larger than 650px and smaller than 1001px in width, each row shall contain two person boxes (as shown in *page_651px.jpg* and *page_1000px.jpg*).
 - (d) When the screen is smaller than 651px, person boxes shall be visible under each other (as shown in *page_650px.jpg*). The person's image shall disappear and the name shall be displayed above the other text for that person. 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=""*).
 - (e) The web site shall use the *Montserrat* font when displayed on a screen. When printed, it shall instead use the *Ibarra Real Nova* font.
 - (f) When printed, the person box shall be 300 pixels in width, the person's image shall not be displayed, and their name shall be displayed over the other text (as for 650px and smaller). The web site printed at A4 size can be found in the supplementary material (*print_a4.pdf*).
10. All CSS code shall be placed in its own CSS file. No inline CSS is allowed.
11. No external CSS files (e.g., Bootstrap) are allowed. The only exception is for including fonts.
12. There shall be no use of JavaScript.
13. There is no requirement on how the website shall look under 500 pixels or over 1200 pixels.

Submission

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