

HTML warmup task: Publish a simple web page with validators

Prerequisites: None

Source: <http://www.w3schools.com/html>

Part 1 Publish an HTML page on the Internet (*using Haaga-Helia's Web server*)

1.1 Create a new folder on the **M:** drive under the **public_html** folder.

The name of the new folder should include your given name and the word 'Website'. For example, if your name is **Joe**, the name of the folder should be **JoesWebsite**

1.2 First, open the course's **BIT class schedule page** (the Web page). You find a link to this page (and the required username/password) on the course's Moodle page. Then see the '**Tasks to do**' column on the schedule. On this week on the schedule you find the files **FirstPage.htm** and **StyleSheet.css**. Download these two files and save them to your newly created website folder.

Part 2 Verify that your Web page can be accessed over the Internet

Use either Chrome or Firefox as the Web browser.

In the Web browser, open the Web page **FirstPage.htm** by entering the page address in the following format:

<http://myy.haaga-helia.fi/~bge99999/JoesWebsite/FirstPage>

Note! Instead of '**bge99999**' and '**Joe**', use **your own user id** and **your first name** in the address.

Part 3 Validating your HTML and CSS codes

On the Web page, you see the following logos that act as links to two different validation services:



When you click the **HTML validator** logo above

1. The Web browser sends the address of your page to the HTML validation service
2. The validator retrieves the HTML code
3. The validator sends back the result of the validation as a new HTML page
4. The Web browser shows the HTML page it received from the validation service.

By clicking the **CSS validator** logo above, you ask the styling validation service to validate all the CSS code that is linked to your Web page.

3.1 First, let's try to use the above-mentioned validation services to validate the HTML code as follows:

1. Open the Web page **FirstPage.htm** directly by double-clicking the file name in Windows File Explorer.
2. Click on the HTML validator logo on the Web page.

Then see what happens... discuss with another student about the situation.

3.2 Next, let's open the Web page as explained in Part 2 and try again to use the HTML and CSS validation services to validate the code in FirstPage.html and StyleSheet.css.

If the validation service *does not report any errors or warnings*, then the code has successfully passed the validation.

3.3 Use a text editor here (e.g. **VS Code**).

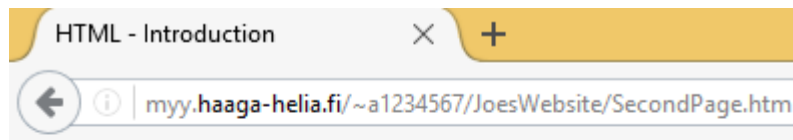
Delete the **</h3>** tag in the HTML code and save the code. Then validate the HTML code again and see what kind of messages the HTML validation service generates.

3.4 Insert the missing **</h3>** tag in the HTML code and save the code. Finally, validate the HTML code again.

If the code does not pass the validation, then fix the code and validate it again.

Part 4 Modifying the HTML code

- 4.1 In the text editor, save the file **FirstPage.htm** as **SecondPage.htm**.
- 4.2 Modify the code so that the new page looks as below when it is opened in a Web browser.



HTML Exercises

Introduction

HTML and CSS Tutorials

[w3schools](#)
[Codecademy](#)

Joe Smith, 2016



Please notice the following:

- The browser tab shows "HTML - Introduction"
- There are two links on the page. The first one opens the **w3schools** HTML tutorial page and the second one opens the **Codecademy** starting page.
- Replace "Joe Smith" with your own name and use the current year. Notice that the font size is smaller in the example. We will later learn how to change the fonts and properties using CSS. Here, you can use the quite rare <small> element. Note that it needs an end tag, too. Typically, styles should be defined in CSS.

- 4.3 Validate the HTML code (SecondPage.html). If you changed the CSS, validate the StyleSheet.css, too.

If the code does not pass the validation, then fix the code and validate it again.