

Practice Exercise #3

Validating an HTML file

Download the file `toValidate.html` (available in Canvas in this exercise description). This file is an HTML document but it has (on purpose) some errors.

Use the HTML Validator (<https://validator.w3.org/>) to find and fix errors. Fix the HTML markup file in ways appropriate to the content. If there are elements or attributes that we have not yet discussed in class, investigate what their purpose is to best revise the document. Also rely on the error messages. **Name the validated file as `validated.html`.** You will have to upload only the new file, `validated.html`, as described below.

Adding Images and tables

Copy your `pex2.html` file (from your previous practice exercise) into a file named `pex3.html`. (If there were any errors in `pex2.html`, fix them).

You should incorporate to this file (`pex3.html`) at least three images and two tables (where each table should have at least three rows and four columns each). The images and table contents should be approximately matching the general page theme. Chose creative commons or free pictures as possible, and indicating the sources as described below (see the class notes).

The images files (in `jpg` or `png` format) should be placed in a folder named `images` (which you should create in your local file as a subfolder of the folder where you have the file `pex3.html`). Notice that you ALSO will have to create a folder in your `public_html` folder in the cmpt165 server, using Cyberduck).

In your `pex3.html` html file you should refer to the images using “relative linking”. At least one of the images should be included with a caption. Additionally, at least one of the images should be an element in one of the tables. (Although we will format width and height with CSS later on, for this exercise you may use the `width` and `height` HTML attributes; see posted class examples).

Make sure that you include some reference to the sources where you found each image *so that the user can see the source*. Hint: Investigate the `alt` and `title` attributes for each image, and/or include as captions.

One table should have headings and data which is only text (words). A second table should include text for headings, but this second table should include a variety of elements (cells). This

second table should have cells containing the following: at least one list and at least one image. One table should also have some *spanning rows* as well.

A very initial CSS file to provide color to the tables elements

Inside the `<head>` element of your `pex3.html` document (almost at the top of the document), immediately after the `<title>` element, include the following element.

```
<link rel="stylesheet" href="styleEx3.css" >
```

This element will allow that the stylesheet properties in the CSS file `styleEx3.css` are applied to the `pex3.html` file.

`styleEx3.css` is provided in Canvas, and it should be placed in the same folder where `pex3.html` is placed. You may explore and change the color codes in the CSS file, but you are NOT asked to add nor revise anything else to this very initial CSS file.

Validating Your Page

Validate your page (`pex3.html`) to the [HTML Validator](#) to have it checked for any errors in your markup. (That is, for this practice exercise you are validating two files)

Upload to the Server AND Submit URL's in Canvas

You will **need to upload several files** into the `cmpt165.csil.sfu.ca` server:

- Your `pex3.html` file,
- the revised and corrected file `validated.html`,
- the images files that you selected to incorporate in `pex3.html`
- the CSS file provided to you in Canvas (that is linked from `pex3.html`).

Upload these files in the `cmpt165` server, in the `public_html` folder. (using Cyberduck or analogous). The images files should NOT be placed in `public_html` folder but rather in the subfolder (`images`) that you created in the server.

Similarly to the previous practice exercises, you should ALSO **provide, in Canvas, the URL** to access, in this case, only two files: `pex3.html` and `validated.html`. (i.e. you will provide two URL's only). The other files are linked from the `pex3.html` files, therefore you should not include URL's to access them in Canvas.