WebF1 Worksheet: Standards

Working with and applying standards

Today you look more at some of the standards that make the web work. Notice that we're asking you to work directly with the specifications rather than online tutorials (which are great, but it's worth looking at the spec to understand where and how HTML & CSS are defined).

1. In the HTML5 Recommendation find the description of the following elements and compare what you see when you use these element with their meaning per the specification:
    - `em, i, b, u, strong`

2. Also in the HTML5 Recommendation, find out about the elements below and make a new HTML page that uses all of them, add a paragraph <p>example</p> to each. Use CSS to style each paragraph differently.
    - `body, article, section, nav, aside, header, footer`

3. In the CSS Backgrounds and Borders Module Level 3 specification, find out about rounded corners and box shadows.
    - Try to only use the specification and your own experiments (i.e. for this task, do not use tutorial sites such as MDN or other sites like that).
    - In the page from point 2, give your `<nav>` element *rounded corners* and *box shadows*.

4. Validate your HTML and CSS.
    - Go to validator.w3.org
        - Use "file upload" or "direct input" because the W3C servers cannot access your web server on your VM yet.
        - Check that all your pages are valid HTML5
    - Go to jigsaw.w3.org/css-validator
        - Check that your CSS files are valid.

5. If you don't understand what the tools are reporting to you, try hard to guess and fix what the problem might be, *then* ask your peers and your tutor.

6. In the Atom text editor (but not the version installed from AppsAnywhere), install the *linter* plugin, let Atom install all dependencies, then install *linter-htmlhint* to get automatic warnings about HTML errors.

7. **Finally, continue working on your own website. Check the coursework description and marking scheme for what we expect.** When your coursework is complete, *all* the HTML and CSS in your coursework should be valid.