

# Class 3: The structural layer – HTML

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Anatomy of a web page

A history of markup

Semantic markup

HTML elements

Tags, attributes and values

Markup structure & relationships

- Block/Inline

- Child/Parent

Links and URLs:

- Absolute

- Relative to document

Characters and escaping

Structural elements

Webpage structure

- DOCTYPE

Writing HTML

- Indentation

- Commenting

- Syntax highlighting

Code validation

File and folder naming and structure

## References

Learning Web Design (5<sup>th</sup> Ed.) by Jennifer Niederst Robbins

Learn to Code HTML & CSS by Shay Howe

HTML & CSS by John Duckett

[https://developer.mozilla.org/en-US/docs/Learn/HTML/Introduction\\_to\\_HTML](https://developer.mozilla.org/en-US/docs/Learn/HTML/Introduction_to_HTML)

<https://developer.mozilla.org/en-US/docs/Web/HTML/Element>

<https://validator.w3.org/>

## Class 3 Homework

Read: Parts 1 and 2 of Learning Web Design

or [Chapters 1-2 of Learn to Code HTML and CSS](#)

or Chapters 1-8 of HTML & CSS

<https://alistapart.com/article/a-brief-history-of-markup>

View: [Optimizing images for the Web](#)

Create a simple 4-page website using HTML5, one homepage (index.html) and 3 sub-pages in order to showcase the three examples of good design that you identified in your Class 1 coursework. Include the text and the image(s) you added to your blog last week. Remember that, at this stage, we are only interested in the structure of the pages and so there will be no presentational layer (no CSS – even if you know how to do this). Focus on the HTML alone and the semantics of your markup. Use a simple text editor (e.g. Atom or Sublime Text) to complete your work. Do **not** use a WYSIWYG web editor. Remember to correctly indent your code and add comments where necessary. Upload your site to your hosted web space using an FTP client (FileZilla or similar). Focus on getting your HTML syntax correct, for example:

```
1 <!DOCTYPE html>
2 <html lang="en" <!-- en stands for English -->
3   <head>
4     <meta charset="utf-8">
5     <title>Three Designed Objects</title>
6   </head>
7   <body>
8     <h1>Three Designed Objects</h1>
9     <p>This is the homepage of the three designed objects project.</p>
10  </body>
11 </html>
```

You will need to think about the folder structure of your site. For example, you may want to create a folder called "three-designed-objects" or something similar (lower-case, no spaces). Create links between the pages so the site can be navigated. Check your website in the Firefox browser. Use the [W3C Markup Validation Service](#) to check your code and correct any errors. We will review your proto-website in Class 4.

Add a link to your new website from your coursework homepage (the page we created during the induction workshop).

Add a "What I learned this week..." post to your blog and include links to any useful references or articles you have found.