

COMP3220 Laboratory Notes

Lab 3: CSS

This computer-based laboratory is designed to give you practical experience of inspecting and writing CSS stylesheets by hand.

Tools

In order to complete this laboratory, you will need to use the following tools:

Developer Tools

Most modern Web browsers include tools for inspecting Web pages that go beyond simply viewing the source page; you may find such tools of use as you attempt the exercises. In Chrome, these tools can be accessed via View->Developer->Developer Tools, whereas in Firefox they've accessed via Tools->Web Developer->Inspector

Validator

W3C CSS Validator

<https://jigsaw.w3.org/css-validator/>

Exercises

1. Use the inspector in your browser to examine the web page at <http://www.csszengarden.com/>
2. Use a text editor to construct a CSS stylesheet (style.css) for the first chapter of *Pride and Prejudice* and check it for validity. You should initially aim for a single column layout with generous margins. An HTML5 document containing this chapter (and its accompanying illustration) is available on EdShare.
3. Amend your stylesheet to style the illustration so that it is half the width of the text column and centred.
4. Amend your stylesheet to use the font Cormorant Garamond from Google (available at <https://fonts.google.com/specimen/Cormorant+Garamond>). Usage examples for Google Web fonts are available from https://developers.google.com/fonts/docs/getting_started)
5. Amend your stylesheet so that the title and chapter title are rendered in upper-case
6. Amend your stylesheet in order to begin the chapter with a large drop cap and an initial line in small capitals. You will need to make use of the `::first-letter` and `::first-line` pseudo-elements, and the `float: property`.
7. Amend your stylesheet so that it is responsive to the size of the viewport, such that for viewport widths above 450px the chapter is displayed in two columns, and below that in a single column. Examples of CSS media queries are available at https://www.w3schools.com/css/css_rwd_mediaqueries.asp , and of CSS multi-column layout at https://www.w3schools.com/css/css3_multiple_columns.asp

The EdShare URI for this lab is <http://edshare.soton.ac.uk/19063/>

References

Cascading Stylesheets Level 2 Revision 1

<https://www.w3.org/TR/CSS2/>