# COMP3220 Laboratory Notes

# Worksheet 2: HTML5

This worksheet is designed to give you practical experience of inspecting and writing HTML5 documents by hand.

## 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

## Validators

The following two services will check the validity of documents written in a range of Web formats. Of the two, the W3C validator supports a wider range of formats, but its HTML5 validation is still considered experimental and is based on the W3C version of the HTML5 specification. The service at validator.nu is a 'living validator' that tracks the recent changes to the WHATWG HTML5 specification.

https://validator.w3.org/

https://html5.validator.nu/

## Exercises – Validation

For these tasks, you need to examine the output from the validators. What sort of errors and warnings do they identify in the Web resources? Can you find the locations of those errors in the HTML source of the resources? When using the W3C validator, how does the behaviour change when you choose different document types (in the "More Options" section)?

1. Use the validators above to check the markup in http://www.google.co.uk/
2. Use the validators above to check the markup in http://www.whatwg.org/
3. Use the validators above to check the markup in http://www.w3.org/
4. Use the W3C validator to check the markup in http://www.w3.org/ as if it were HTML 4.01 Strict
5. Use the W3C validator to check the markup in http://www.w3.org/ as if it were XHTML 1.0 Strict

## Exercises – Writing HTML

6. Use a text editor to construct an HTML5 document containing the first chapter of *Pride and Prejudice* that captures the structure present in the 1853 printing. A PDF facsimile is available on EdShare along with a file containing the text. Use all appropriate elements and check that your document is valid HTML5.
7. Use a text editor to construct an HTML5 document containing pages 0/1-0/4 of *Literary Machines* that captures the structure and typography. A PDF facsimile is available on EdShare; the underlying text should be selectable. Use all appropriate elements and check that your document is valid HTML5.

## References

The EdShare URI for this lab is https://edshare.soton.ac.uk/20654/

HTML5.2
https://www.w3.org/TR/html52/