

# CITS3403/5505 Project 1

## HTML, CSS & JavaScript Website

**Due 5pm April 20 2020. Worth 20% of your final grade.**

The first assessment for CITS5505 is to build a simple website demonstrating the use of HTML5, CSS3, and JavaScript. Bootstrap and JQuery may be used, but customised CSS is required to give your site a distinctive feel. The website should describe the history and fundamentals of HTML, CSS and JavaScript, and should refer to itself to demonstrate these technologies.

Your website should consist of 4 pages:

1. One page should describe the history and evolution of Hypertext Markup Language (about 500 words), and refer to elements with the web site as examples.
2. One page should discuss the purpose and motivation of CSS, highlighting the benefits of separating content from style in web-applications (about 500 words). Again, it should refer to its own styling for motivating examples, including using selectors and pseudo-classes.
3. One pages should describe the purpose and evolution of javascript in web applications (about 500 words). The website should demonstrate applications of javascript, including dynamic DOM manipulation, forms, and using AJAX to consume resources from 3<sup>rd</sup> party sites. For example, this COVID19 tracker (<https://coronavirus-tracker-api.herokuapp.com/v2/locations>), F1 race results (<http://ergast.com/mrd/>) or your latest tweets (<https://cypressnorth.com/programming/how-to-easily-display-a-twitter-feed-using-javascript/>).
4. The Final page should give a brief biography of the author, including a picture, and a CV.

The submission should consist of a folder with four linked HTML files, CSS style files and JavaScript functions in a separate file (use relative links so anchor tags work on the assessors computer). The page should be tested in Chrome, Firefox and Edge or Safari browsers, and should pass HTML5 validation.

All code (HTML, CSS and JavaScript) should be commented and formatted in a clear and consistent manner.

The folder should be zipped (using zip, so the submitted file ends in .zip), and submitted to csssubmit: <https://secure.csse.uwa.edu.au/run/csssubmit>

# CITS5505/3403 Project Marking Sheet

Name: \_\_\_\_\_

Student#: \_\_\_\_\_

Criteria	Excellent	Good	Satisfactory	Inadequate	Comments	Weight
<b>Content of HTML page</b>	Comprehensive history, good coverage of elements, and detailed technical description.	Good historical overview, a variety of elements and some technical description.	Basic history of HTML, and a few elements, but lacking technical detail	Lacks meaningful history, uses few elements, and no technical description.		/20
<b>Content of CSS page</b>	Comprehensive history, good coverage of style attributes, and detailed technical description.	Good historical overview, a variety of style attributes and some technical description.	Basic history of CSS, and a few style attributes but lacking technical detail	Lacks meaningful history, uses few elements, and no technical description.		/15
<b>Content of JavaScript page</b>	Comprehensive history of JavaScript, and good demonstration of the uses of JavaScript with clear technical description.	Good historical overview of JavaScript, and some illustrative examples of the uses of JavaScript.	Basic historical overview of JavaScript, with some examples of the uses of JavaScript.	Lacking historical context, and incomplete or very basic examples of JavaScript.		/15
<b>HTML code quality</b>	Passes validation perfectly, wide selection of elements and correct use of attributes	Some minor validation errors, good selection of elements, and some use of attributes	Validation errors, but correctly rendered. Some variety of elements, but basic use only.	Does not render correctly, limited use of elements and attributes.		/15
<b>CSS code quality</b>	Clear well crafted and distinctive style. Well commented code, demonstrating a wide variety of styles, and selectors	Distinctive style, and reasonable code demonstrating some variety of style and selectors.	Generic style, code formatting inconsistent, or lacking selectors and styles.	Poor style, with errors in attributes and selectors.		/15
<b>JavaScript code quality</b>	Well written efficient and error free code, demonstrating DOM manipulation and AJAX with callbacks.	Correct well formatted code demonstrating DOM manipulation and some use of AJAX.	Some errors in code, inconsistent DOM manipulation, and missing AJAX requests.	Errors in code, or ineffective functionality. Poor formatting, and not attempting AJAX or DOM manipulation.		/20
<b>Overall</b>						/100