

Code Style Guide

Coding practices are necessary to assist developers with coding conventions. Coding conventions assist in improving the readability and general understanding of implemented code. Coding conventions are required to be standardised in order for a single and specific coding format to be monitored by developers who work in teams. Some coding practices have been introduced in undergraduate Software Development courses which follow a universal standard such that all software developers are equally informed. This document outlines some coding guidelines by considering the node.js application that was used for the shopping list.

Regularity

Regularity is an important aspect of implementing code such that the readability is easy. Small separate folders were used throughout the implementation of the shopping list instead of everything being put into a single folder. This helped in a developer knowing which files to assess when new code was being added for the shopping list. It also assisted in allowing for a front and back end for the site.

Commenting

A mixture of single line and block commenting was implemented. Single line commenting refers to comments which are placed at the end of a line of code while block commenting is usually done at the beginning of a program and offers a full description of functionality. The mixture was due to the fact that some code required single line commenting while others required block comments depending on what the developers deemed to be important to explain. It is sometimes more informative to have a single line description of code but sometimes also insightful to have block description to assist in understanding the functionality of the site.

JavaScript

Naming Convention

The camelCase application was applied to naming variables in JavaScript code. It is defined as beginning the definition of a variable name with a lower case letter with any joint word that needs to complete the definition of the variable name beginning with a capital letter.

Line Length

Characters per line for an implemented program to allow for readability. The line length was set to 25 characters per function definition and variable definition and at most 60 characters for any other lines.

Code Indentation

Coding indentation is required for readability and allow for consistency among developers. The indentation was set to two tabs and each declaration had to have the corresponding assignment value spaced from the actual variable.

Operators

Since this site development will not require much of mathematical computations. Only two operations are likely to be used. The equal operator and the not-equal operator. For flexibility, the JavaScript convention is abandoned and only two of the equal symbols are used. The “==” and the “!=” simply because the numbers compare are floating point numbers.