**ELEN4010 Group Laboratory**

**Group 4**

**Coding Style Guide**

1. Syntax Conventions

* Use single quotes for strings
* No unused variables
* Always use === instead of ==
* Infix operators must be spaced e.g. var x = 2, instead of var x=2
* Commas should be followed by a space
* Use curly braces for multi-line if statements
* Multiple blank lines are not allowed
* For var/const declarations, write each declaration in its own statement
* Use camelCase for naming variables and functions
* Keep lines as short as possible
* Comments to be kept as short as possible
* Write comments on the line above the code that is being commented on

1. General Guidelines

* Use camelCase to name files
* Always pull the latest version of the repo before starting to code
* Make a commit every time you make a change in the code
* Keep commit messages short and to the point
* Always make a pull request before attempting to close an issue

**Code Review Guide**

1. As a reviewer:

* Discuss trade-offs and reach a resolution quickly
* Ask questions, don’t make demands
* Ask for clarification when necessary
* Avoid selective ownership of code i.e. say “ours” instead of “yours” or “mine”
* Be explicit, no use of sarcasm
* Consider one-on-one chats or video calls for clarification
* If you ask a question to a specific person, always start the comment by mentioning their name
* Don’t review code for more than 45 minutes at a time
* Don’t review code very late at night
* Use the coding style guide as a checklist to review code
* Use GitHub’s built in commenting features to make your comment as useful as possible

1. As a developer:

* Review the code yourself, make sure it makes sense (and check it against the coding style guide)
* Add comments for any piece of code that may be vague
* Be grateful for the reviewer’s suggestions
* Don’t take it personally
* Try respond to every comment

**References**

Best Practices for Code Review. Available from <https://smartbear.com/learn/code-review/best-practices-for-peer-code-review/>, last accessed 24 May 2020.

Code Review Guidelines – GitLab Docs. Available from <https://docs.gitlab.com/ee/development/code_review.html>, last accessed 24 May 2020.

JavaScript Standard Style. Available from <https://github.com/standard/standard/blob/master/RULES.md>, last accessed 24 May 2020.