ELEN4010 - CODE REVIEW GUIDE

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The check list for reviewing the code is demonstrated in this document. Code review should take place each time that a Github pull request is made. All additional code is thus reviewed on completion of each developer story. Code must be reviewed before the pull request can be closed and the additional functionality merged with the master branch.

The following guide should be used when reviewing code:

Code Style

1. The code is professional and neat.
2. The code follows the coding style conventions specified in the `code_styling_guide`.
3. There are no sections of code that have been commented out.
4. There are not too many nor too few comments.
5. There are no unused imports.
6. Error handling and exceptions have been included.
7. The code makes good use of external libraries where appropriate.
8. There are no print statements used for development.
9. There are no hard-coded sections within the code for development purposes.
10. The code has been tested by the developer.
11. The code incurs minimal technical debt.
12. The code is maintainable.

Review Process

1. The code review should take place timeously once a pull request has been made, to ensure project momentum.
2. The reviewer must ensure that the code they approve is correct, well-written, secure and maintainable.
3. The reviewer should check that the implemented functionality has been well tested.
4. Feedback that is given should be positive and encouraging.
5. Feedback should be explicit, little room should be left for misunderstanding.