CMP3111M Software Engineering - Assessment Item 1

Learning Outcome	Criterion	Pass	2:2	2:1	1st
[LO1] synthesise concepts derived from current theories of advanced software engineering	Development of a progress log for the development of a software artefact using SCRUM. (35%)	The provided logs should detail as a minimum the actions you have taken during each session or iteration in the development process of the artefact.	The provided logs should include as a minimum the actions you have taken during each session or iteration of the development process of the artefact. How these developments tie in with the Agile Development process, for example, what Agile XP practices were selected to benefit the developments of the artefact?	Your log should provide a list of details relating to the input you have made to the development of the artefact during each iteration. What Agile XP practices have **influenced** these decisions, a list of **changes** to the SCRUM sprint(s), what actions and decisions were taken by the team. Details of any stand-up meetings.	Your log should include all previous details in addition to providing a short discussion (1 or 2 paragraphs) after each session detailing how the development of the artefact is **progressing** under the SCRUM methodology. Critically analysing how SCRUM processes could **improve** the development of the artefact in **future** sprints. Stand-up meeting logs and the **impact** on the development of the artefact.
[LO2] analyse the empirical nature of software engineering and the application of empirical methods in software engineering development.	Critically reflect on the SCRUM methodology as a developmental process for the construction of an artefact. (35%)	Your discussion should detail the basics of implementing SCRUM for developing an artefact.	Your discussion should detail the basics of **implementing** SCRUM How the features of this methodology **differ** from other 'non-agile' methodologies.	Your discussion should detail the processes of **implementing** SCRUM as a Soft. Eng. methodology. Detail the advantages and disadvantages of using SCRUM as a methodology for the development of **THIS** particular **style** of artefact.	In addition to previous requirements, your discussion should also provide a critical **reflection** on the outcome of your artefact's development as a **direct consequence** of the SCRUM methodology. You should also provide details of which agile processes you found beneficial to the **development** of the artefact, and which you found to be disadvantageous for development of such an artefact.
[LO3] utilise and evaluate advanced software engineering techniques and processes in the development of a software artefact.	Demonstrate effective use of Software Engineering tools, resources and frameworks, e.g. GitHub, Slack, ScrumDesk, etc. (20%)	GitHub was used to access the open source software, and as a mechanism to access the work, but no real use of this in supporting the development process. Tools such as Social media frameworks for communication have been used for the assignment.	GitHub and associated **features** have been used to **support** the development of the artefact. This is well **evidenced**, and a reflection on this has been provided to come extent, where this outlines how GitHub was used. Other software development tools have been used and **discussed** in terms of their	GitHub has been well **used** throughout this project, and a **critical evaluation** of its use has been provided to show how it has been used and the **impact** it's had on the development. Discussion of the **wider context** of GitHub for open source development has also been discussed. Other software development and collaboration tools have been	GitHub has been used **throughout** the project and there is a **critical evaluation** of not only its use, but the **impact** it has had on the development of not just this project but **Open Source** development in general. There is evidence of the **substantial** use of software development tools and frameworks for supporting SCRUM, there is a **critical evaluation** of these relating to this particular project but also

			application.	used and **evidenced** in a **critical** evaluation to discuss how they were used throughout the projects lifecycle.	the **wider implications** in general open source development projects.
	Support your discussion with references and appropriate sources. (10%)	Discussions are supported with reference to appropriate texts. However, these are limited in their scope.	Discussions are supported with reference to appropriate texts from several sources but may be out of date.	Discussions are supported with reference to appropriate texts from a wide range of up-to-date sources.	Discussions are supported with reference to appropriate texts from a wide range of sources. Indications of current relevant theoretical understanding are also presented.
Weighting	All criteria are weighted as shown by the percentages indicated in the relevant criterion box.				