

Assessment Brief



Subject Code and Name	ISK1001 - Industry Skills I
Assessment Number	3
Assessment Title	Professional Documentation Presentation
Assessment Type	Group Programming Project and Group Presentation
Words, Size or Duration	1 ZIP file, a 10 minute presentation +/- 10%, 7 slides +/- 10%
Subject Learning Outcomes	SLO1, SLO2, SLO5, SLO7
Submission Date / Time	Due by 11:55pm AEST Sunday end of Module 4.
Weighting	40%

Assessment Purpose

Professional documentation is essential for maintaining a software project, and takes many forms. Software projects commonly have code comments to explain the purposes of sections of code, and projects typically have instructional documents such as “README” files to explain their setup & installation. These types of documentation help developers join projects, help others troubleshoot problematic code effectively, and help drive a clear vision of a project as well.

Projects also commonly must be presented to others - whether to other developers, to clients, to managers, either way a project must be shown and a developer must be able to convey both their own skills plus knowledge of the project itself.

To show an understanding of professional communication, you should be able to write appropriate & relevant documentation covering a variety of purposes for a software project and present it to an audience.

Assessment Task / Item

For this assessment, you must both present and submit a programming project with documentation content that meets the requirements to showcase your skills as a software developer. While this is a group project, each individual will also be required to submit a peer review, commenting on the contribution of each individual. Responses on peer reviews will contribute to each individual's result.

Assessment Instructions

Write appropriate documentation for a programming project and present that work as a group. Your documentation must contain valid, appropriate explanations & instructions, and adhere to the following requirements:

Choose a suitable programming project:

- As a team, you may choose a programming project either:
 - Created by one of the team members, as long as the project was made for another activity or assignment within the course or subject.
 - Created by staff of Coder Academy, provided solely for the purposes of being used within this assignment.
 - Created by the team specifically for the purposes of being used within this assignment.

Project requirements:

- The submission must be exported and/or compiled into a single ZIP file.

Documentation requirements:

- The programming project must contain:
 - A project “README” file covering:
 - The purpose of the application
 - The features of the application
 - Any installation steps or requirements, including installation of dependencies
 - Code comments covering:
 - Any methods or functions, explaining:
 - The purpose of the method/function
 - The returned result, if any, of the method/function
 - The parameters or arguments, if any, of the method/function
 - Any classes, explaining:
 - The purpose of the class
 - Any inheritance or composition used by the class
 - Any methods/functions used by the class, as detailed above
 - Any variables used by the class
 - The purpose and source of any imported or copied code
 - A log of feedback gathered to validate the appropriateness of the documentation, which includes:
 - The specific documentation checked
 - When it was checked
 - Who checked it
 - Any feedback provided
 - Any actions to do based on the feedback provided

Presentation requirements:

- The presentation must contain:
 - An explanation of the purpose of the chosen programming project
 - An explanation of any ethical issues relevant to the chosen programming project and how those issues are addressed
 - Highlights of at least:
 - One documented method or function, explaining its purpose.
 - One documented class, explaining its purpose.
 - One imported package or imported code, explaining its usage and purpose.
 - One piece of feedback provided about the documentation and how it was addressed or implemented into the project.
- The presentation should go for no longer than 10 minutes.
- Presentation slides containing the above information must be included in the submission in PDF format.
- A recording of the presentation must be included in the submission as either:
 - A file in a video format, such as MP4.
 - A URL to a video hosting platform, such as YouTube or Vimeo.

Peer Review

In addition to the above items, each team member must complete a peer review using the peer review template. This should consider each individual's efforts during this assessment. The peer review contributes to each team member's individual marks.

Submission

All work must be completed & submitted via Canvas when asked to by your teacher within the timeframe specified by your teacher. The required text entry submission is found in the Assignments section appropriate to this brief. Please ensure the above mentioned submission date and/or time are adhered to, or penalties may apply.

For more information on late submission, please see the **Assessment Policy**.

Academic Integrity

The integrity of the assessment process is fundamental for ensuring appropriate evaluation at AIT. All work submitted should be your own, and where additional resources are used, they must be referenced according to the Harvard style. Additionally, TurnItIn is available in the LMS to test plagiarism in your writing.

For more information on academic integrity, please see the **Academic Integrity** and **Academic Integrity Penalties Policies**.

Appeals

Fair application of the assessment rubric, rules and guidelines should be administered for each assessment. If you feel an evaluation requires further consideration, you may be entitled to an appeal.

For more information on your right to an appeal, please see the **Assessment Appeals Procedure and Policy**.

Policies

For access to the policies mentioned above and related to education at AIT, please see the [footer](#) of the AIT website, and follow the link named **Education Policies and Procedures**.

Website: <https://www.ait.edu.au>

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Assessment Rubric

Task Descriptor	(HD) <i>High Distinction</i> (85-100%)	(D) <i>Distinction</i> (75-84%)	(C) <i>Credit</i> (65-74%)	(P) <i>Pass</i> (50-64%)	(F) <i>Fail</i> (0-49%)
<p><i>DESIGNS appropriate documentation files or help files for a user to utilise the features of the application, developing semantically and syntactically valid documentation files or help files..</i></p> <p>10% SLO 1</p>	<p>Designs and develops multiple documentation or help files, ALL of which include COMPREHENSIVE instructions which ACCURATELY describe: steps to install the application; dependencies required by the application; system/hardware requirements; features of the application. The developed documentation or help files are COMPLETELY semantically & syntactically valid.</p>	<p>Designs and develops multiple documentation or help files, ALL of which include SOMEWHAT COMPREHENSIVE instructions which ACCURATELY describe: steps to install the application; dependencies required by the application; system/hardware requirements; features of the application. The developed documentation or help files are ALMOST COMPLETELY semantically & syntactically valid.</p>	<p>Designs and develops multiple documentation or help files, ALL of which include BASIC instructions which SOMEWHAT ACCURATELY describe: steps to install the application; dependencies required by the application; system/hardware requirements; features of the application. The developed documentation or help files are MOSTLY semantically & syntactically valid.</p>	<p>Designs and develops multiple documentation or help files, ALL of which include VERY BASIC instructions which SOMEWHAT ACCURATELY describe: steps to install the application; dependencies required by the application; system/hardware requirements; features of the application. The developed documentation or help files are SOMEWHAT semantically & syntactically valid.</p>	<p>Does not design appropriate documentation or help file for a user to utilise the features of the application. The developed documentation or help files either do not exist or are mostly semantically & syntactically invalid.</p>
<p><i>SUMMARISES the purpose of classes, methods or functions, and imported classes, methods and functions, within an application's code.</i></p> <p>25% SLO 1</p>	<p>Meets the D requirement, and the explanation includes example code.</p>	<p>Provides a DETAILED summary of the purpose of ALL custom classes, methods and functions within an application's code, including an explanation on how those items are used. Provides a DETAILED summary of the purpose of ALL imported code or packages within an application's code.</p>	<p>Provides a BASIC summary of the purpose of ALL custom classes, methods and functions within an application's code. Provides a BASIC summary of the purpose of ALL imported code or packages within an application's code.</p>	<p>Provides a BASIC summary of the purpose of MORE THAN HALF OF THE custom classes, methods and functions within an application's code. Provides a BASIC summary of the purpose of MORE THAN HALF OF THE imported code or packages within an application's code.</p>	<p>Fails to provide any summary of any custom classes, methods or functions, or only provides summaries for less than half of the custom classes, methods or functions within an application's code. Fails to provide any summary of any methods or functions, or only provides summaries for less than half of the imported code or packages within an application's code.</p>

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<p><i>ARTICULATES feedback pertaining to the usefulness of the created work and industry-relevant ethical considerations & standards</i></p> <p>10% SLO 2, SLO 5, SLO 7</p>	<p>Meets the D criteria, and feedback includes suggestions for a solution or proposes changes that would address the ethical issue.</p>	<p>Meets the C criteria and references appropriate laws, acts or ethical codes to support their feedback.</p>	<p>Participates in a collaborative feedback gathering process, providing appropriate feedback to at least TWO pieces of work created by another person regarding an industry-relevant ethical issue and usefulness of the created work.</p>	<p>Participates in a collaborative feedback gathering process, providing appropriate feedback to ONE piece of work created by another person regarding an industry-relevant ethical issue and usefulness of the created work.</p>	<p>Submission does NOT show any evidence of the student providing feedback to others regarding an industry-relevant ethical issue.</p>
<p><i>REFLECTS on feedback received from peers and discusses strategies to appropriately implement the received feedback</i></p> <p>15% SLO 2, SLO 5, SLO 7</p>	<p>Participates in a collaborative feedback gathering process, reflecting upon received feedback and creating action items based on feedback at least FOUR times in a project.</p>	<p>Participates in a collaborative feedback gathering process, reflecting upon received feedback and creating action items based on feedback THREE times in a project.</p>	<p>Submission shows participation in a collaborative feedback gathering process, reflecting upon received feedback and creating action items based on feedback TWO times in a project.</p>	<p>Participates in a collaborative feedback gathering process, reflecting upon received feedback and creating action items based on feedback ONE time in a project.</p>	<p>Submission does NOT show any evidence of the student acknowledging feedback received from others.</p>
<p><i>PRESENTS information as required by the brief</i></p> <p>10% SLO 1, SLO 5</p>	<p>Presents ALL information as required by the brief to a THOROUGH level of detail.</p>	<p>Presents ALL information as required by the brief to a LOW level of detail.</p>	<p>Presents MOST information as required by the brief to a THOROUGH level of detail.</p>	<p>Presents MOST information as required by the brief to a LOW level of detail.</p>	<p>Provides LESS THAN HALF of the required information as specified by the brief.</p>
<p><i>EXPLAINS the problem or scenario that a project is addressing to a professional level</i></p> <p>10% SLO 5, SLO 7</p>	<p>Meets the D requirements plus refers to target user information such as target market information OR user stories.</p>	<p>Meets the C requirements plus refers to AT LEAST ONE existing similar/competing projects that address the same problem or scenario to support their explanation.</p>	<p>Explains the problem or scenario that a project is addressing and uses AT LEAST ONE external source or reference to support their explanation.</p>	<p>Explains the problem or scenario that a project is addressing WITHOUT USING any external sources or references to support their explanation.</p>	<p>Does NOT explain the problem or scenario that a project is addressing at all, or provides an unclear or incomplete explanation.</p>
<p><i>COLLABORATE professionally and efficiently with a team during a project.</i></p> <p>20% SLO 5</p>	<p>Project work performed EXCEPTIONALLY within a team, contributing to the work to a HIGH degree and communicating with the team to solve</p>	<p>Project work performed VERY WELL within a team, contributing to the work to a MODERATE degree and communicating with the team to</p>	<p>Project work performed WELL within a team, contributing to the work to a MODERATE degree and communicating with the team to</p>	<p>Project work performed WELL within a team, contributing to the work to a SMALL degree and communicating with the team to</p>	<p>Contribution to the project is non-existent, struggles to work as a team member, or doesn't solve any problems within a team.</p>

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	problems EXTREMELY EFFICIENTLY.	solve problems EFFICIENTLY.	solve problems SOMEWHAT EFFICIENTLY.	solve problems SPORADICALLY.	
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