Assessment Brief

Subject Code and Name	ISK1002 - Industry Skills II
Assessment Number	2
Assessment Title	Technical Blog Post & Prototype
Assessment Type	Individual Programming Project & Written Report
Words, Size or Duration	1 PDF file and 1 programming project
Subject Learning Outcomes	SLO2, SLO3, SLO5, SLO6, SLO7
Submission Date / Time	Due by 11:55pm AEST Sunday end of Module 3.
Weighting	45%

Assessment Purpose

In the IT industry, it's very easy to find resources made by industry professionals to help you learn and grow. What many people don't realise, however, is that these resources are often made by developers of any and all skill levels. As long as knowledge is shared, the resources are valid and useful.

Being a developer in the IT industry, it's both beneficial and useful to create these types of resources yourself. These resources become excellent proofs of skill, dedication to the trade, and help developers become known amongst their peers and future employers.

As a new developer in the IT industry, you should be able to create a technical blog post and an accompanying programming project to demonstrate your technical and communication skills.

Assessment Task / Item

For this assessment, you must submit a ZIP file that meets the requirements to showcase your skills as a professional worker.

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Assessment Instructions

A good written resource will address a specific problem or opportunity, solve it, and explain how the problem was solved. An even-better resource will refer to a bespoke programming project created to exemplify the written resource, in order to help reinforce the conveyed information.

This project is composed of two (2) main components: an article/blog post/written resource, and a programming project. Each component should meet the following requirements:

The written resource will:

- Use appropriate industry-relevant terminology
- Use professionally-appropriate spelling and grammar
- Refer to the programming project appropriately
- Explain the problem that the written resource and programming project are addressing, and include:
    - References to other, pre-existing resources to help validate the problem
    - Information on both the technical and ethical issues relevant to the problem
- Explain how the problem was resolved or how a resolution was attempted
    - This should include justification about chosen programming languages, tools, frameworks, etc, with reference to other, pre-existing resources to back up your justification
    - This project doesn't have to completely solve a problem, but it must explain what has been attempted
- Explain what was learned during the problem-solving process, reviewing your skills prior to attempting this project and describing the skills you gained throughout this project
- Explain what could be done differently if you or others had to address this problem in the future. This should include:
    - Reference to anything you found particularly difficult or challenging
    - An explanation of anything that was left unfinished and why it wasn't finished

The programming project will:

- Contain explicit, clear instructions for others to use the project themselves, including references or steps on installing dependencies, required tools, and package version information
- Contain clear, appropriate comments and/or documentation that explains the code

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Submission

All work must be submitted via Canvas, 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.

When submitting your work, please save your files using the naming convention below.

[Student_ID]_[Surname]_[First Name]_[SubjectCode]_[Assessment_#].ZIP

E.g.: **1234_Singh_Visha_PRG1002_Assessment_01.ZIP**

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) High Distinction *(85-100%)*	(D) Distinction *(75-84%)*	(C) Credit *(65-74%)*	(P) Pass *(50-64%)*	(F) Fail *(0-49%)*
ANALYSES current & emerging industry-relevant trends & opportunities **10%** SLO 7	Meets D requirements plus uses AT LEAST TWO external sources as reference to support their analysis.	Meets C requirements plus explains the industry-relevant trend or opportunity in a GREAT & FOCUSED LEVEL of detail.	Meets P requirements plus uses AT LEAST ONE external source as reference to support their analysis.	Analyses & explains one industry-relevant trend or opportunity in a LOW LEVEL of detail.	Does not perform any research on current or emerging trends or opportunities as part of planning & creating the technical writing.
ANALYSES current & emerging industry-relevant ethical issues **10%** SLO 7	Meets D requirements plus uses AT LEAST TWO external sources as reference to support their analysis.	Meets C requirements plus explains the industry-relevant ethical issue in a GREAT & FOCUSED LEVEL of detail.	Meets P requirements plus uses AT LEAST ONE external source as reference to support their analysis.	Analyses & explains one industry-relevant ethical issue in a LOW LEVEL of detail.	Does not perform any research on ethical information technology issues as part of planning & creating the technical writing.
EXPLAINS an appropriate problem or scenario, and provides a solution **30%** SLO 2, SLO 3, SLO 7	Meets D requirements plus uses AT LEAST TWO external sources as reference to support their analysis.	Identifies & explains an appropriate problem or scenario and its solution in a HIGH LEVEL of detail.	Meets P requirements plus uses AT LEAST ONE external source as reference to support their analysis.	Identifies & explains an appropriate problem or scenario and its solution in a LOW LEVEL of detail.	Does not identify or explain the problem that the technical writing is attempting to solve, or there is no clear goal of the work displayed in the technical writing.
PLANS an IT project that will address an appropriate problem or scenario **15%** SLO 2, SLO 7	Meets D requirements plus explains the steps of the plan in a GREAT LEVEL of detail.	Meets C requirements plus includes details such as time estimates for each step of the plan.	Creates a GENERAL OR VAGUE plan with an outline of ALL OF THE steps required to address an appropriate problem or scenario.	Creates a GENERAL OR VAGUE plan with an outline of THE MOST-IMPORTANT steps required to address an appropriate problem or scenario.	Does not outline or explain any plan to carry out the work detailed by the technical writing.
JUSTIFIES the skills required to perform the work **15%** SLO 5, SLO 6	Meets D requirements plus explains why the chosen technologies, skills or knowledge were used instead	Meets C requirements plus identifies alternatives or similar technologies, skills or knowledge	Meets P requirements plus explains why most of the technologies, skills or knowledge	Identifies the essential technologies, skills or knowledge required to perform the work	Does not identify or explain any of the skills required or used to perform the work relevant to the project.

	of the similar or alternative items.	that could be used for the project.	identified are required.	needed for the project.	
CREATES professional & appropriate technical writing **10%** SLO 3	Creates technical writing which contains either no formatting issues, or has some issues with formatting in very niche situations or environments, but otherwise has exceptional spelling & grammar.	Creates technical writing which contains some issues with formatting, but otherwise has exceptional spelling & grammar.	Creates technical writing which contains some issues with spelling, grammar, or formatting, but it can otherwise be comprehended.	Creates technical writing which contains some issues with spelling, grammar, and formatting, but it otherwise can be comprehended.	The majority of the technical writing component of the project contains poor spelling, grammar, formatting, or is otherwise uninterpretable.
CREATES professional & understandable code **10%** SLO 2, SLO 3	Meets D requirements plus uses a specified documentation or commenting style.	Creates comments for the majority of code relevant to the project, and all comments can be comprehended.	Creates code with few comments, but all comments can otherwise be comprehended.	Creates code with few comments or poorly-formatted comments but can otherwise be comprehended.	The majority of the documentation in the code project suffers from poor formatting, does not contribute to the understanding of the code, or is otherwise uninterpretable.