Canterbury Institute of Management (CIM)
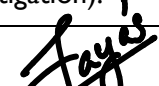## ASSESSMENT COVER SHEET

1. Personal Details

Student ID	Given Name(s)	Surname	Email Address
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Campus	Darwin Campus
Course Title and Code	MSIT401 System Development Methodologies
Assessment Title	Reflective Journal - *Week 5*
Due Date & Time	03/11/2024

Course Lecturer/Tutor Name:	Assessment Word Count (if applicable):
Sharad Neupane	315

2. Student Declaration

By signing and submitting this coversheet, I/we declare that:

✓ This assessment submission is my/our own work unless otherwise acknowledged (including the use of generative AI tools) and is in accordance with the Institute's **Academic Integrity and Honesty Policy** available on the website.

✓ No part of this assessment has been submitted previously for advanced standing or academic credit in this or any other course.

✓ I/we certify that we have not given a copy or have shown a copy of this assessment item to another student enrolled in the course, other than members of this group.

✓ I/we are aware that the Lecturer/Tutor of this assessment may, for the purpose of assessing this assessment task communicate a copy of this assessment task to a plagiarism checking service to detect possible breaches of academic integrity, for example, plagiarism, recycling, cheating, contract cheating, or unauthorised use of generative AI (which may then retain a copy of the item on its database for the purpose of future investigation).

Signature:		Date:	02/11/24

Traditional Vs. Web Based Development

Developing of new software solutions can be in the form of traditional or web based systems, with main difference being latter is conceptually designed to work over the internet potentially utilizing cloud computing features. Since web based systems are designed to run over web, they are scalable and portable across multiple types of devices whereas traditional systems may rely on in-house hardware setup to operate and therefore is limited in availability to specific location or physical geographical area unless otherwise such access is enabled through a gateway.

In-house Developement, Outsourcing, & Offshoring

There are three main paths for an organization to develop, integrate & commission new software solutions.

In-house Development

When a company decides to fulfill their new software requirements within the organization itself commonly through Information Technology Department or internal software engineering team. These teams can opt into develop the system from ground-up or purchase a customizable software package and then work on the customizations. Or these teams can also opt in to commission a commercially available solution and oversee such installation in-house as well.

Outsourcing

A company can opt in to outsource the human resources required to implement a new software solution rather than hiring new engineers for a specific task or project. This open is viable for medium to large scale enterprises where they are financially capable of investing on resources based on the need in scalable fashion. In comparison to in-house development, the software maintenance could be a challenge in a long run that may introduce operational complexities over time.

Offshoring

Large enterprises with ability to operate over different time zones often utilizes this method as it can enable rapid development progress by strategically positioning development teams across the globe. Another direct benefit is to fine tune expenses on human resources as this method could be used to potentially hire people from areas where pay rates are comparatively low enabling organizations to keep their expenses low compared to above two methods.

Evaluation Comments