Task 7.2: Azure AI fundamental

This document supplies detailed information on Assessment Task 7.2 for this unit.

Key information

- **Deadline: Monday 13 May 2022 by 8.00 pm (AEST)**
- **This assignment is graded (from Credit to Distinction), and you can submit this assignment <u>only once</u> and there is no chance of resubmission.**

During this trimester, you have learnt about different Azure AI services and get prepared to sit for the Azure AI fundamental certificate (AI-900 certificate).

Submission details:

In this task, you need to:

1. You need to provide us with **Microsoft AI-900 certificate**. We will provide you with voucher to sit for this exam for free. We have also reviewed the general concept you need to know for this exam and provided with some recordings discussed about the exam. You can review them and prepare yourself for this exam. For more information, please refer to the Unit site.

   OR

2. <u>If you have already had this certificate</u>, for this task you need to complete the following part:
   Submit your answers as a PDF file into the Ontrack.
   a. You need to submit your certificate for AI-900.
   b. You need to design and explain a conversational intelligent system using machine learning system and Azure services for a health business to automate product recommendation for their customers. This task will help to ideate an application and start designing it.
   To do this you need to follow the instruction:
   i. Submit a general overview of the intelligent system (conversational AI Bot) you have ideated. You need to cover 1) what is the problem and why do we need to apply this conversational intelligent system in the

domain you have targeted? 2) How does this system solve the problem in this domain? (400 words)

ii. You need to design the intelligent bot using Azure AI services and AI techniques and provide the **pipeline of the model**. To cover this part, you need to discuss: What are the **input data**, **Azure services and AI techniques** to develop the system? Please keep in mind you need to use more than one Azure AI services (e.g., computer vision, custom vision, speech processing, text analytics and so one). You need to provide the architecture (pipeline) of the system on how the model is working using the input data, Azure services. You need to provide a detailed information about the AI services that you are going to use, how they are working together and connecting to each other? justify why we need to use those Azure Services. (500 words) you can find the example of an architecture diagram in the following link: https://docs.microsoft.com/en-us/gaming/azure/reference-architectures/cognitive-css-bot

Please note that you need to use more AI services in your architecture.