Assessment Information

SIT719 Security and Privacy Issues in Analytics

Assessment 2: Technology Assessment Report

This document supplies detailed information on assessment tasks for this unit.

Key information
- Due: Friday 14th September 2018 by 23.59 (AEST)
- Weighting: 30%
- Word count: 2,500-3,000 words

Learning Outcomes
This assessment assesses the following Unit Learning Outcomes (ULO) and related Graduate Learning Outcomes (GLO):

Unit Learning Outcome (ULO)	Graduate Learning Outcome (GLO)
ULO3: Apply and justify the use of a range of appropriate technological and organisational approaches to mitigate security risks associated with data analytics.	**GLO1:** Discipline knowledge and capabilities **GLO4:** Critical thinking **GLO5:** Problem solving
ULO 4: Apply and justify the use of a range of appropriate technological and organisational approaches to mitigate privacy risks associated with data analytics.	**GLO1:** Discipline knowledge and capabilities **GLO4:** Critical thinking **GLO5:** Problem solving
ULO 5: Evaluate vulnerabilities in organization and personal data and justify appropriate strategies to attack and defend.	**GLO1:** Discipline knowledge and capabilities **GLO2:** Communication **GLO4:** Critical thinking **GLO5:** Problem solving

Purpose
You need to write up to a 2,500 - 3000 word technology assessment report for the Dumnonia corporation. Your report must include an implementation guide for Dumnonia.

The report relates to the implementation of k-anonymity as a model for protecting privacy for Dumnonia.

Your report will need to look at:
- the technology solutions that can be employed to implement k-anonymity within Dumnonia
- development of an implementation guide for Dumnonia to show k-anonymity can be implemented.

Instructions
For this assessment, you have been interviewing Dumnonia staff and who have the following information from your interviews:

Caradoc – CEO – Interview notes based upon the use of k-anonymity by Dumnonia from an organisational perspective. Interview notes will be released via the FutureLearn platform;

Guinevere – CIO - Interview notes based upon the use of k-anonymity and implementation of k-anonymity for Dumnonia. This interview will be a technical perspective. Interview notes will be released via the FutureLearn platform;

Constantine – CSO – Interview notes based upon the implementation of k-anonymity for Dumnonia. This interview will be a technical perspective. Interview notes will be released via the FutureLearn platform;

You will need to undertake additional research based upon questions that may come out of the interviews.

Assessment Information

Report structure
The report structured in the following way:
- Executive Summary of your report findings (250 words);
- Organisational Drivers for Dumnonia (250 words)
- Discussion of the organisational drivers for Dumnonia relating to the implementation of k-anonymity;
- Technology Solution Assessment (1500 words)
- Detailed assessment of the technologies that Dumnonia have selected on how to implement k-anonymity as a model for protecting privacy;
- K-anonymity Implementation Guide (1000 words)
- An organisational guide for Dumnonia to implement k-anonymity across their organisation to protect the privacy of organisational data.

What do I do now?
- Start collecting and researching information;
- Read the information provided by the Dumnonia Staff
- Think creatively!
- Develop the report in Microsoft Word format.
- Make sure you look at the rubric and the unit learning outcomes to make sure you understand what you are being assessed (and marked) on.

Submission details
You assessment should be submitted as a Microsoft Word document via Dropbox. Instructions can be found on FutureLearn.

Extension requests
Requests for extensions should be made to Unit/Campus Chairs well in advance of the assessment due date. Please follow the link for detailed information and form: http://www.deakin.edu.au/students/faculties/sebe

Special consideration
You may be eligible for special consideration if circumstances beyond your control prevent you from undertaking or completing an assessment task at the scheduled time.
See the following link for advice on the application process:
http://www.deakin.edu.au/students/studying/assessment-and-results/special-consideration

Assessment feedback
You will receive a mark and feedback on your assessment task in the form of a rubric within two weeks of submission of your assessment.

Referencing
You must correctly use the Harvard method in this assessment. See the Deakin referencing guide.

Academic integrity, plagiarism and collusion
Plagiarism and collusion constitute extremely serious breaches of academic integrity. They are forms of cheating, and severe penalties are associated with them, including cancellation of marks for a specific assignment, for a specific unit or even exclusion from the course. If you are ever in doubt about how to properly use and cite a source of information refer to the referencing site above.

Plagiarism occurs when a student passes off as the student's own work, or copies without acknowledgement as to its authorship, the work of any other person or resubmits their own work from a previous assessment task.

Collusion occurs when a student obtains the agreement of another person for a fraudulent purpose, with the intent of obtaining an advantage in submitting an assignment or other work.

Work submitted may be reproduced and/or communicated by the university for the purpose of assuring academic integrity of submissions: https://www.deakin.edu.au/students/study-support/referencing/academic-integrity

SIT719 Security and Privacy Issues in Analytics
Assessment Task 2: Technology Assessment Rubric

	Exceeds standard		Meets standard		Yet to achieve minimum
Criteria	High Distinction (80 – 100)	Distinction (70 – 79)	Credit (60 – 69)	Pass (50 – 59)	Fail (0 – 49)
Criteria 1: Executive summary & technology overview 20% Executive summary and technology overview	The report excels at addressing the research question and report requirements. Excellent depth and insight is clearly shown and eloquently expressed.	The report clearly and succinctly addresses the research question and report requirements. Depth and insight is clearly shown and well expressed.	The report adequately addresses the research question and report requirements. Depth and insight is sometimes shown but not always well expressed.	The report marginally addresses the research question and report guidelines. Depth and insight is sometimes shown but not well expressed.	Provides no meaningful information related to the task. The report is poorly structured and does not adhere to the report guidelines.
Criteria 2: Technology Solution Assessment 40% The report assesses the application and use of appropriate technological solutions within the Australian banking sector related to the privacy of data.	Provides an assessment which excels at showing initiative and originality in identifying relevant privacy and security issues. The use of technological solutions is extensively supported by theory and practical examples.	Provides an assessment which shows high levels of initiative and originality in identifying relevant privacy and security issues. The use of technological solutions is comprehensively supported by theory and practical examples.	Provides an assessment which shows well-developed initiative and originality in identifying relevant privacy and security issues. The use of technological solutions is adequately supported by theory and practical examples.	Provides an assessment which shows some initiative in identifying relevant privacy and security issues. The use of technological solutions is marginally supported by theory and practical examples.	Provides an assessment which shows little initiative in identifying relevant privacy and security issues. The use of technological solutions is not supported by theory and practical examples.

Criteria 3: K-Anonymity Implementation Guide 40%	The report excels at addressing the research question and report requirements. Excellent depth and insight is clearly shown and eloquently expressed.	The report clearly and succinctly addresses the research question and report requirements Depth and insight clearly shown and well expressed.	The report adequately addresses the research question and report requirements. Depth and insight is shown but not always well expressed.	The report marginally addresses the research question and report guidelines. Depth and insight is sometimes shown but not well expressed.	Provides no meaningful information related to the task. The report is poorly structured and does not adhere to the report guidelines