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Unit 9: Reflection

Course: MSc Computer Science

Module: Object-Oriented Information Systems

Assignment: ePortfolio

Date: Saturday 24th July 2021

Student ID: 126853

Reflection:

Unit 9 of the Object-Oriented Information Systems module covered the usage of SQL to create/modify/delete data within a database environment.

The required reading for this unit consisted of reading the MySQL 8 Reference manual (MySQL, 2020), which provides oversight into the key concepts and commands within a SQL environment. We also read the "Survey on NoSQL database" article (Han et al., 2011), which covered the challenges of traditional databases when using large volumes of data, showing the need for using NoSQL databases.

During this unit, we also contributed to the discussion surrounding the usage of NoSQL technologies. Conversations seemed to conclude that the adoption of NoSQL technologies should be considered on a case-by-case basis, as it is best suited to large volumes of unstructured data.

Overall, this unit has helped me improve my overall understanding of SQL and the cases in which different variations should be used.

References:

Han J., Haihong E., Guan L. & Jian D. (2011) 'Survey on NoSQL database'. 2011 6th International Conference on Pervasive Computing and Applications. Port Elizabeth, South Africa, 26-28 October. IEEE. 363-366. doi: 10.1109/ICPCA.2011.6106531.

MySQL Training (2020) MySQL 8.0 Reference Manual