**Module Reflection**

Unit 1-2: Exploring Key Information System Concepts

The first two units consisted of various reading material, a collaborative discussion, and a seminar, where the content covered the fundamentals of an Information System (IS). The Collaborative discussion and seminar focused on IS failures.

Bourgeois (2014) explained that an IS exists as a combination of 5 main components: hardware, software, data, people, and processes. Networking may be added as a separate sixth component, however, an IS may exist as a standalone system (Bourgeois, 2014). The rest of Bourgeois’ book, “Information Systems for Business and Beyond” was covered, where he performed a cursory overview of the various components mentioned above. I found the book helpful in explaining the holistic process of using information and its representive data to produce value. The required reading from Sommerville’s (2016) “Software Engineering” introduced the software component mentioned above as it pertains to its development within the field of Software Engineering.

The content covered guided me in learning the major components of an IS, how they interrelate, how they can fail, and their importance to businesses and society in general. Furthermore, I found it crucial to take note of the fact that for an IS to be effective, the business processes that undergird and govern the use of them need to be efficient and all-encompassing respectively. Additionally, this point and the rest of the learning helped me to see the various IS inefficiencies within my own organisation.

Unit 3-4: The Object-Oriented Paradigm (185)

Object-Oriented Programming has become a cornerstone of modern-day development.

Unit 5-6: Universal Modelling Language (UML) (185)

Unit 7-8: Database Design (185)

Unit 9-10: Database Implementation and Manipulation (185)

Unit 11: Web Development with Python (92)

Unit 12: Emerging Trends of Information Systems (92)

References

Bourgeois, D. (2014) Information Systems for Business and Beyond. Washington: The Saylor Academy.

Sommerville, I. (2016) Software Engineering. 10th ed. Essex: Pearson Education

Limited.