Assignment 5
ENSF 608 Fall 2021
Department of Electrical and Computer Engineering
Schulich School of Engineering

The objective of this assignment is to reflect on your course learning and consider concepts for further study.

Due: Thursday, December 9th, 11:59 PM

Submission: This is an individual assignment. Your submission must be your own original work, but you may collaborate with your class peers.

Please upload your solution as a single PDF file to the Assignment 5 Solutions D2L dropbox folder. The file should be named in the following format: Lastname_Firstname_Assignment5.pdf

Your solution may be handwritten or typed. Handwritten work may be clearly scanned or photographed.

Weighting: This assignment is out of 10 marks and is worth 6% of your overall grade.

Grading:

Each question is worth 2 marks. The purpose of this assignment is to encourage connections between ENSF 608 and other relevant topics. Your answers should reflect your learning and research process. Answers should also be in full sentences unless otherwise specified, but do not need to be long. Marks will be deducted for incorrect or missing information. Solutions must be neat and organized. **All answers must be in your own words and should include IEEE references (specifically questions #2 and #3).**

Questions

1. What are the four informal guidelines for good relational database design? Your answer may be in point form but must be clearly understood.

2. What are some differences between SQL and NoSQL databases?

3. What are XML and XQuery, and what are they used for?

4. In the Lab 12 webinar interview, what advice did Mr. Strathern give aspiring software developers?

5. Reflect on your learning in ENSF 608. What was one takeaway you learned in this course? How do you think your database knowledge may be applied in the future?