

## MSBA 5223 – Database Foundations

### Assignment 7

The purpose of this assignment is to help you practice the following skills that are essential to your success in this course and in your professional life beyond school if you have the opportunity to work with databases.

- Apply knowledge that you have acquired from your readings or in class
- Code SELECT statements that require any of the language elements presented in these chapters or previous chapters.

Another purpose of this assignment is for you to possibly struggle and feel confused while you apply what you have learned in a slightly different context than what was provided in examples. This will allow you to internalize the use of the various techniques and develop your own approach for addressing problems. The purpose is NOT to make you struggle overmuch and hit your head against a brick wall. Work with your study group! If you don't know why something isn't working, ask me! If you are not sure why something is doing something other than you expected, ask me. I am here to help you learn although I do expect you to think about it and try before asking!

### Notes about submitting your assignment:

More detailed information was in Assignment 2.

Be sure to save your document periodically. When you have finished the assignment, save the document as a PDF.

Submit the PDF to the assignment.

## Execute Queries with Functions to Retrieve Information from the MurachCollege Database

**Make sure all columns have appropriate column names.**

1. Create a database design of MurachCollege including all tables.

Add a Text Annotation in the upper right corner with your name. Make the font larger than the default.

Add a Text Annotation on each relationship using a single letter for an alias indicating the JOIN condition if PK/FK are used. Put the parent table first. For StudentCourses, use the alias sc. For example, between AP.Invoices and AP.Vendors, it would be **v.VendorID = i.VendorID**

Make sure that everything is readable (nothing overlapping) and that it fits on one page.

Save the diagram with your name – i.e. mine would be TerryWilliams.

Print the diagram to Acrobat PDF. Make sure you have this option BEFORE the day this assignment is due.

2. Submit the one document **as a PDF** to Assignment 7.