# ITEC 3200 Database Semester Project

# OVERVIEW

This project involves the development of a new database application implemented using MySQL. You may use any application that you wish, except those that have been used in class or examples from a textbook or other outside sources. The deliverables of the project will consist of documentation of your database design along with the database implementation.

You must create a database with the following minimum requirements:

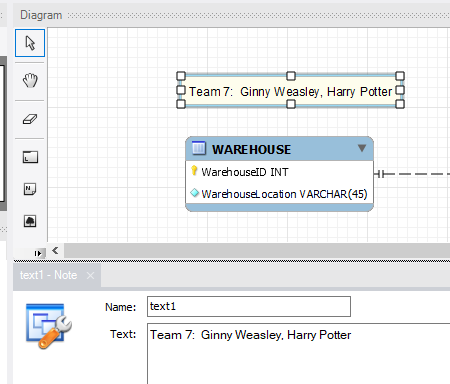
* Information about at least 4 or 5 different entities. They may be a real entity, such as a person or automobile, or abstract, such as a course or enrollment. There must be relationships between these entities.
* 4 or 5 different tables with at least 2 columns per table.
* Fill the tables with 7 - 15 records per table.

You may ***not use any application that we used in class or in textbooks or the Internet***. The goal is for you and your teammate to think independently and creatively develop a functional database. Discuss your idea with Dr. Pollacia if you are not sure about its suitability for this project.

**PART I: DATABASE DESIGN**

# THE ER DIAGRAM

1. Create an ER Diagram that represents the database corresponding to the major entities and themes of your application. **The E/R diagram should include 4 or 5 entities, the attributes, primary and foreign keys, their relationships and show maximum and minimum cardinality.** The ER Diagram must be clear and the cardinalities should be clear. Avoid crossing lines where possible.
2. Put your **team number and names as a text box** on the ERD. To do this, click on this button  to insert a new text box. Then click at the top of the ERD and you will see a Text box that looks like this . Double click the text box and fill in the text with your team number and team members’ names, as shown below:



1. S**ave the ERD as a PDF**. To do this, go to File > Print to File. Click the three dots next to File to select the folder and then for Format, select PDF. Click OK.
2. Upload the PDF to the D2L Assignment box **SEMESTER PROJECT Part 1**.

Since most ER Diagrams need to be reviewed and some corrections made, you will upload this ERD as your first draft and Dr. Pollacia will review it and return it to you.

You have one chance for a do-over so that your design will be perfect. Make the corrections as indicated by Dr. Pollacia and upload again to D2L, and then she will review it one more time. If approved, you may go to the next part of the semester project.