*CIS245 - Final Project Requirements*

* **Design and Implement a small “database”** using **Microsoft SQL Server.**
* **Remember that you are really not creating a “database” but rather a collection of tables that we will call a “database” – the tables should have a common theme**
  + Some database ideas: Course Manager, Payroll, Inventory, Restaurant Management, Game Collection. Some have used this project to create databases that are useful to them in their everyday lives (one student created a Java-based database he used as a Boy Scout Leader, another used it to keep track of skiing slopes, and yet another used it to track his lawn mowing business)
* **CREATE script** (***similar to create script I put in folder with samples***) for me to run to create your database. The script should not only **CREATE ALL THE TABLES** for your database BUT also should **POPULATE YOUR TABLES** (that is, insert all the rows of data into your tables). Make sure you have **10 or more** rows of data in your tables so I can get the feel of your database theme!
  + **3 or more tables** should be created. Make sure there are **relationships** between your tables (think about how they are connected to one another).
* **DELETE script** (***similar to delete script I put in folder with samples***) that I can run to delete your database tables.
* **Create several user-defined stored procedures (you must write them in T-SQL since we are using Microsoft SQL Server and that is what I will use to test them) (see references in folder – from week 9; I have also attached samples of code – this is similar to writing Java methods and then you “call” them – I will be executing them to do something – insert ski resort, delete customer,…)** 
  + **At least 3 “INSERT” STORED PROCEDURES** that can be called to INSERT records into your different tables – the more, the better the grade!
  + **At least 3 “DELETE” STORED PROCEDURES** that can be called to DELETE records from your different tables – the more, the better the grade!
  + **At least 3** **“UPDATE” STORED PROCEDURES** that can be called to UPDATE records in your different tables -- the more, the better the grade!
* **MAKE YOUR DATABASE your UNIQUE DESIGN – creating the exact same tables that we used for the sample databases is not sufficient and I will penalize for your lack of creativity.**
* **Create a design document – make it 1 or 2 pages to describe your database and what kind of tables and stored procedure are in it . There is no formal design template for this; just consider it a document that explains what you made for your database – ideas: E-R diagram, explanations of stored procedures with example usage.**