**CPSC 2100**

**Final Project and Presentation**

**Problem Statement:**

Apply what you know about stored procedures and ADO .Net and develop an application to implement use cases from project 3.

**Requirements:**

This project will require that you work in the same group that you worked in for project 3 and use the database that you developed for that project. Specifically, you will need to do the following:

1. Populate each table in your database with a minimum of 10 records. You have complete liberty in creating the data.
2. Each team member will develop a stored procedure and the frontend form to implement a use case. All code will be combined into a group portfolio – see my code examples from week 14.
3. Each team member will record a video technical walkthrough of their use case implementation and upload the video to YouTube. This will involve explaining why you wrote the code the way you did, e.g., why you chose a DataSet instead of a DataReader or why you chose to use a transaction block, etc.
4. Each team member will link their own video to their own form within the portfolio (notice, you will totally “own” that part of the project) – see my code examples from week 14.
5. Each team, as a collective effort, will write the code to implement one more use case. This use case will also be explained with a recorded (linked) video and will also be presented to the class during finals week. The video and class demonstrations should be between 7 – 10 minutes in length.

**Submission Guidelines:**

I will provide a submission folder on Canvas where you will submit your project at the beginning of the final exam period. Your portfolio (.Net Solution) and database files (.mdf and .ldf) will be submitted in zipped folder.

**Grading**:

1. **Individual work >> 90%**

* Frontend code (including documentation) >> 35 %
* Stored procedure >> 35%
* Video >> 20%

1. **Group Work >> 10%**