

## PROG37721 - Final Project Criteria

**Due Date – Monday August 13, 2018, in person, at the beginning of the class**

1. The summative final project must demonstrate all knowledge and skills acquired through the first 7 weeks of the course (Windows Forms applications), as taught in this course delivery (i.e., not derived from any other source/course).
2. The project must be a functional **data processing** Windows Form application written in C#, created in Visual Studio 2015 Professional (the version used for instruction in this course).
  - the application should not require user login
  - ***the application cannot be a game***
3. The application must serve a **useful and practical purpose**; this must be clearly outlined in the project proposal (see #5) and the purpose statement submitted with the application (see #6 below).
4. The application must **read and write data** (i.e., it must implement SELECT, INSERT, DELETE and UPDATE functionality); the data may be stored in a sequential text file, a random access file, or a SQL Server Express Edition database (part of Visual Studio 2013). No other database types are acceptable.
5. The application must be created as a **group project**.
  - group size: individual or 2 students maximum
  - groups must be formed (by the students) by the start of week 8 of the semester and the instructor must be provided with a project proposal on **Friday July 6, 2018** (see #12), which will be typed document (hardcopy) and submitted at the beginning of the class.
    - Members of the group
    - Project description which includes: purpose, operations, back-end classes (at least one per group member), method of storing the data,...
6. The project must include a **written purpose statement** (100 words or less, as a Word document), explaining the purpose of the application and any details related to it that the instructor needs to know in order to run the application. Failure to include a purpose statement will result in a reduction in marks.
7. All **source code** in the project must be **the original work of the group members**. If any example classroom code is utilized in the project, it must be significantly enhanced or changed from the original code provided. ***Code must not be copied or taken from any other source*** (this constitutes academic dishonesty and, as such, will not be tolerated; students are to refer to the College Policy on Academic Honesty for further information).
8. Projects must be created specifically for this course. Applications created during any other course and/or submitted as a final project for (previous enrolment in) this or any other course will be given a grade of zero.

Instructor: Elmira Adeeb

9. Due date for the project: **first** class of **week 14** (submission and presentation; see #10 below)
  - the application must be submitted as a zipped folder on Slate after the presentation.
  - the zipped folder must contain the application folder structure, as created by Visual Studio 2015, as well as the purpose statement as a Word document (see # 5 above).
  - ***NOTE: if the application does not work, or generates run time errors, you will receive a mark of 0 (no exceptions, no excuses)***
10. Projects will be presented to the instructor during the first class of week 14. All group members must attend. The presentation will:
  - include an explanation of the purpose of the application and full demonstration of its functionality
  - be practiced and include comments from every member of the project group
  - NOTE: the project, when demonstrated, should not generate errors; this is unacceptable and will result in a grade of 0 on the project.

***NOTE: Students must be prepared to explain the code utilized in the project during presentation, and every member of the group will be expected to be familiar with all aspects of the project (purpose, functionality, coding). Failure to fully explain the code used and/or its purpose/ functionality will result in a mark of 0 being assigned to the project.***

11. The project represents 15% (see #12) of the overall mark in this course. This is a semester-long project; students are strongly advised to schedule regular ongoing meeting times / work periods for timely completion. Late submissions will not be accepted.
12. Grade break-down:
  - a. Proposal (10%)
  - b. Written purpose statement (10%)
  - c. Project submission and Project functionality (80%)