

BCIT
Comp 3951 Selected Topics in Application Development
Technical Programming Option
Option Head Mirela Gutica
Winter 2022

Mark: _____ /100

Lab 1

You can work alone or with one partner. No late assignments will be accepted.

Requirements:

1. **Study** the lecture modules.
2. **Install** and explore **Visual Studio (VS) 2019**.
3. **Describe a feature of VS that you find very useful and interesting (30p).**
 - a. Write the description in a paragraph of 300 – 500 words (use your own words!)
 - b. Include screen shots to illustrate the feature.
 - c. You will present the VS feature during next class.
4. **Observe the Application AccountApp.**
 - a. Observe the architecture of the Console application: class Program and class Account.
 - b. Observe the coding style
 - i. the way the application is commented `///` and `//`
 - ii. variable naming
 - c. Observe the static class Constants
 - d. Observe validation
 - e. Observe properties and the get and set implementation. Read the article:
 - i. <https://docs.microsoft.com/en-us/dotnet/csharp/programming-guide/classes-and-structs/properties>
 - f. Observe the header on the top of the namespace. Make sure that you will include this section in your future assignments/projects
5. **Implement an application of your choice (70p)**
 - a. Use proper coding style
 - b. Include headers (see the example)
 - c. Your application should have a level of difficulty that is compatible with your start of term 3 level. Please do not create a very simple application. The purpose of this exercise is to prepare you for the course and future assignments.
6. **Readings:**
 - a. **Read the documentation according to the links from the lecture modules**

Important: do not cut and paste from another source; use your own words. If the code you use is from a different source, include the source.

Header Example:

```
/// <summary>
/// Lab 4 Paint Application
/// Authors: John Smith and Ann Chan
/// Date: January 12, 2021; Revision: -
/// Source: Code based on the Paint tutorial at: https://www.youtube.com/watch?v=cHncA\_aCVmM
/// </summary>
```