# Summer 2015

# **Wedding Planner Application**

OOP244 Assignment – Milestone 2

**Milestone 2: the ReadWrite Interface V1.0**

**Due Date: Fri Jul 31st, 23:59**

The ReadWrite class enforces inherited classes to implement functions that work with fstream and iostream objects.

Code the ReadWrite class in ReadWrite.h file provided in FP2154MS2 repository on GitHub:

<https://github.com/Seneca-OOP244/FP2154MS2>

You do not need the Date class for this milestone.

# **Pure virtual member functions (methods):**

ReadWrite class, being an interface, has only four pure virtual member functions (methods) with following names:

1. Store

Is a constant member function (does not modify the owner) and receives and returns a reference to an std::fstream object.

*In future milestones children of ReadWrite will implement this method for instances that can be stored in a file.*

1. Load

Receives and returns a reference to an std::fstream object.

*In future milestones children of ReadWrite will implement this method for instances that can be read from a file.*

1. display

Is a constant member function and returns a reference to an std::ostream object. This function receives two arguments: the first is a reference to an std::ostream object and the second is a bool argument called linear.

*In future milestones children of ReadWrite will implement this method for instances that can be printed on the screen in either of two formats:  
Linear: the object information is printed in a single line*

*Form: the object information is printed in several lines like a form.*

1. conInput

Returns and receives a reference to an std::istream object.

*In future milestones children of conInput will implement this method for instance that receive input from the console.*

As you already know, these member functions only exist as prototypes in the class definition within the header file.

After implementing this class, compile it with Myfile.cpp, MyFile.h and ReadWriteTester.cpp. The program should compile with no error and using the tester program you will be able to read and append text to the ReadWrite.txt file.

# **Submission:**

Please refer to your professor’s instructions for submission.