Pair Programming 7 Activities

* **Always use the pair programming tests to ensure your program works properly. Evaluation is based primarily upon correct execution. Activities without test screen shots and/or code will be earned. Both must be included.**
* **Take a screen shot with a white background of each execution in the tests.**
* **Download the source code file for inclusion in the turn in document.**
* **Turn in pair programming activities using the pair programming turn in document.**
* **It is each individual’s responsibility to turn in the assignment and pair programming is graded individually so make sure you share the work you and your partner did together as you go.**
* **Do not share work with your partner that you did not do together.**
* **Pair Programming is group work, but you can only work with your assigned partner. If you do not work with your partner, you can only earn 50% of pair programming points.**
* **Make sure you have your partner’s name, username and contact information such as Pellissippi WebMail.**

7a. (5 points) Using Codelite, create a workspace called pp7 and create a project called pp7a. Copy the contents of the main.cpp file for pair programming 7 in our online Course Content and paste it into the main.cpp file in the Codelite project. Add two new files to the project, date.h and date.cpp, and add the code to them referred to in the Lecture Notes. This code should include the following.

* The month\_t enumerated type in date.h
* The Date class with
  + Private instance variables
  + Private daysInMonth utility function
  + Public, constant class variables for MIN\_MONTH, etc.
  + Public set and get functions for each instance variable
  + printDate
  + Five constructors

See the Lecture Notes for further instructions and help with the pair programming.

Use the pair programming test cases to test your program. Make corrections if the program output does not match the tests. Capture screen shots of each correct execution.

7b. (5 points) Add another project to the pp7 workspace called pp7b. Copy the code in pp7a’s main.cpp into this project’s main.cpp. Add two new files to the project (DON’T ADD EXISTING FILES) date.h and date.cpp and copy the code from these pp7a files to the pp7b files. Add code to complete pp7b which includes:

* One destructor
* Overloaded operators +, - (negation), ==, <<. >>

See the Lecture Notes for further instructions and help with the pair programming.

Use the pair programming test cases to test your program. Make corrections if the program output does not match the tests. Capture screen shots of each correct execution.