**CSIII: Programming Patterns**

**Lab 8 Assignment: Singleton Logger**

The project is due in one week: by the beginning of the next lab. Make sure to include your name in comments of the source files.

Write code for a program that implements logging into a file using Singleton design pattern. Specifically, you need to implement a class Logger whose object has a public function report(const String&). When report() is first accessed, it opens a text file log.txt. When report() is invoked, the argument string is appended to the file. When the program terminates, the log file stream is flushed and closed. You may implement either Classic or Meyers Singleton. See “example.cpp” for an example of opening a file for appending.

Demonstrate the operation of your object by invoking the report() in at least two separate functions.

**Milestone:** Opening a log file and writing a single report line.