

EXTRA CREDIT Lab 14 - Graph Name: _____

Objective:

- To provide some **EXTRA CREDIT**, you should probably only attempt this if you are all caught up on labs, and homeworks since they are more likely to appear on the Final Exam.
- To experiment with graph implementations C++ and template functions

Download the following file to your desktop: <http://www.cs.uni.edu/~fienup/cs052s10/labs/lab14.zip>

Extract this file to the Desktop by right-clicking on lab14.zip icon and selecting Extract All. Code was borrowed from: http://www.morris.umn.edu/~mcphee/Courses/1996_97/Spring/CSci_3190/Assignments/Graph/

Since it was so old, I changed the STL references to the modern standard.

The lab14.zip file you downloaded and extracted contains a Graph folder with a Visual Studio C++ project file: Graph.sln inside. Double-click on it to open this project in Visual Studio.

The main.cpp file contains the main function which builds a directed graph and determines if it has a cycle or not. The goal of the lab is to implement (in the graph.cpp file) the Graph class definition in the file graph.h.

I don't really know how long this will take, but it could get ugly due to the template class and implementation of iterators.