CS232 Project2
sp2015
streller

PROBLEM STATEMENT:

Create a graph ADT The Graph ADT will consist of a set of vertices's and a set of weighted edges. An enhanced user-friendly version of this program could be used for a variety of applications that include: managing travel routes for sales people with vertices representing customer locations and edges representing the travel routes between locations with their associated costs. managing computer network configurations with vertices representing computer sites and edges representing communication inks between computer sites with associated costs.

CODE:

The Graph ADT must use an Adjacency List representation for the graph.
The included struct and class definitions assume that an array is being used for the Graph vertex list, with a linked edge list hanging off each array cell (for each vertex). The graph must be templated and include data attributes and member functions from the enclosed file (graph_specs.txt)
No addtions/changes are permitted to the graph specs – consider it the .h file
Supply a client program that demonstrates that your Graph ADT class works correctly for both an undirected graph and a directed graph. It should be menu driven.
Input files provided
ShortestDistance(V &v1, V &v2) must implement dijkstra(graph g, vertex firstv) as provided in class. All variables and code in the pseudo-code must be implemented as given.
No alterations of dijkstra permitted.
All code is to be platform independent..

DELIVERABLES:

hard :In a bound folder

1. documented source code
2. user manual.
3. Programmer manual(s) (one for each class also)

soft: in a zipped file, called CS232_P2_yourLastName,
sent to streller@ecc.edu with the subject CS232_P2

1. all source code
2. release version executable

Due Date : 12:00am 27 March 2015

Weekly status reports are to be electronically submitted by 6am on
16 March 2015
These zipped updates must include source code and a pdf file explaining the status/progress of the project(what has been completed, what needs to be done, etc).
Send to streller@ecc.edu with the subject cs232_P2_UPDATE_yourLastName