CS232 Project3
fa2021
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's representing customer locations and edges representing the travel routes between locations with their associated costs. managing computer network configurations with vertices's representing computer sites and edges representing communication inks between computer sites with associated costs.

CODE:

The Network ADT must use an Adjacency List representation for the graph.
The included struct and class definitions assume that an array or STL vector 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 (network_specs.txt). These members functions must be implemented to the specs
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

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_P3_yourLastName,

1. all source code
2. release version executable

submitted in Blackboard to CS232P3

Due Date : 7:01am 8 December 2021

Demos commence 8 December 2021

As usual, any other file(s) submitted will receive a 5 point deduction for each file.