**Lab 6**

**Shortest Path**

**Description**

Read the data file for Lab 6 and store it into the graph created for Assignment 11 (multi-list). The format for the file is:

Start Node,End Node,Path,Mileage

Write a program that allows the user to enter in **any** starting point and **any** ending point and your program will provide the shortest (distance) path to the desired destination. Show the **path** from the source to the destination as well as the estimated time to arrive at your destination (assume you go the speed limit and that I-5 is 65 mph while all other roads are 55 mph).

**Remember, this is an algorithm that uses a graph. It is not (necessarily) a class and it is definitely not a part of or derived from the graph class.**