Ben Duggan

Irvine Trinh

Luong Truong

CIS 22C - Team 8 – Demonstration Test Plan

1. Main Menu
   1. 1) Read file into graph (Will clear current contents)
      1. Test Input File.txt
   2. 2) Modify graph data
      1. 1)Add an Edge
         1. 1) Add an edge using existing vertices
            1. 7) 142.22.117.115
            2. 17) 240.78.144.211
            3. .42
         2. 2) Add an edge using new vertices
            1. Enter vertex 1: 111.11.11.111
            2. Enter vertex 2: 222.22.22.222
            3. Enter edge weight: .33
         3. 3) Add an edge using an existing vertex and a new vertex
            1. Choice: 19) 2227.83.27.247
            2. Enter vertex 2: 333.33.33.333
            3. Enter edge weight: .44
         4. 4) Go back
      2. 2) Undo addition
         1. Removed edge: 2227.83.27.247 -- 333.33.33.333 (.44)
      3. 3) Remove an edge from the graph
         1. Edge 50: 111.11.11.111 – 222.22.22.222 (.33)
      4. 4) Go back
   3. 3) Display graph data
      1. 1) Display on screen using depth-first traversal
      2. 2)Display on screen using breadth-first traversal
      3. 3) Write to a text file using breadth-first traversal
         1. Enter name: “Test Input File(2).txt”
      4. 4) Go back
   4. 4) Solve minimum spanning tree
      1. Write tree to a file? Y/N
         1. Y