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CIS 22C - Team 8 – Demonstration Test Plan

1. Main Menu
   1. 2) Modify graph data
      1. 1)Add an edge to the graph
         1. 2) Add an edge using new vertices
            1. Enter vertex 1: Y
            2. Enter vertex 2: Z
            3. Enter edge weight: 2
         2. 2) Add an edge using new vertices
   2. 3) Display graph data
      1. 1) Display on screen using depth – first traversal
   3. 1) Read file into graph (Will clear current contents)
      1. Test Input File 3.txt
   4. 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. Test Input File 3(2).txt
      4. 4) Go back
   5. 2) Modify graph data
      1. 1)Add an edge to the graph
         1. 1) Add an edge using existing vertices
            1. Choice: 1) A
            2. Choice: 1) B
            3. Choose an edge weight: 5
         2. 3) Add an edge using an existing vertex and a new vertex
            1. 1) A
            2. Enter vertex 2: Z
            3. Enter edge weight: 1
         3. 4) Go back
      2. 3) Undo latest action
      3. 2) Remove an edge from the graph
         1. Choice: 10) A --- B (5)
   6. 4) Solve minimum spanning tree
      1. Write tree to a file?
         1. Y
         2. Test Input File 3(2).txt
   7. 1) Read file into graph (Will clear current contents)
      1. Test Input File.txt
   8. 4) Solve minimum spanning tree
      1. Write tree to a file?
         1. N
   9. 6) Exit Program