Team 1: Michael Kang, Faisal Albannai, Ao Yu Hsiao

Demonstration Test Plan

Run through each option before loading input file to test error handling.

1. Load input file
   1. Incorrect file name
   2. Correct file name (cities input.txt, cities input2.txt, cities input3.txt)
      1. Test 2nd input will clear cities list
2. Display graph
   1. Incorrect option entered
   2. Breadth, Depth, Adjacency options
   3. Save to output file
      1. Incorrect confirmation option
3. Solve problem
   1. Save to output file
      1. Incorrect confirmation option
4. Add edge
   1. Incorrect option entered
   2. Incorrect user input
   3. Add edge
      1. (cities1 – Portland -> San Francisco, San Jose)
      2. (cities2 – Valencia -> Roma, Madrid)
5. Undo remove
   1. Test check to see if any remove done first
6. Remove edge
   1. Incorrect option entered
   2. Incorrect user input/city names
   3. Remove edge
      1. (cities1 – Portland -> San Francisco)
      2. (cities2 – Valencia -> Madrid)
      3. Test deleting all connections to a city to remove city itself
7. Undo remove
   1. Undo remove