Hierholzer's Algorithm

**Step 1:** Check that graph is Eulerian.

**Step 2:** Pick starting vertex
  
  Ex. vertex: D

**Step 3:** Find a circuit containing your starting vertex. (Note: you have a lot of choice here!)
  
  Ex. circuit: D-C-B-G-E-D

**Step 4:** Pick a vertex on your circuit that still has unused edges.
  
  Ex. vertex: G

**Step 5:** Repeat step 3 with vertex from step 4.
  
  Ex. circuit: G-C-E-F-A-B-F-G

**Step 6:** Insert circuit found in step 5 into your circuit from previous steps.
  
  Ex. D-C-B-G-C-E-F-A-B-F-G-E-D

**Step 7:** Repeat steps 4-6 until your circuit covers all edges.

**Step 8:** Label your final circuit.