

Graph.java

```
1
2 import java.util.List;
3
4 /**
5  * Simplified Graph interface (doesn't include
6  * remove methods and a few others).
7  * @author Sara Mathieson
8  * @version March 19, 2020
9  */
10 public interface Graph {
11
12     List<Vertex> vertices();
13
14     int numVertices();
15
16     Vertex insertVertex(String name);
17
18     void insertEdge(Vertex u, Vertex v);
19
20     boolean hasEdge(Vertex u, Vertex v);
21
22     List<Vertex> outgoingEdges(Vertex v);
23
24     List<Vertex> incomingEdges(Vertex v);
25 }
26
```