```
/***********************************
  mud.Vertex
 package mud;
import java.util.Map;
import java.util.HashMap;
import java.util.List;
import java.util.Vector;
import java.util.Iterator;
// Represents a location in the MUD (a vertex in the graph).
class Vertex
    public String _name;
public String _msg_= "";
                                      // Vertex name
                                       // Message about this location
    public Map<String, Edge> _routes; // Association between direction
                                      // (e.g. "north") and a path
                                      // (Edge)
// The things (e.g. players) at
    public List<String> _things;
                                       // this location
    public Vertex( String nm )
        _name = nm;
        _routes = new HashMap<String,Edge>(); // Not synchronised thinas = new Vector<String>(); // Synchronised
    public String toString()
        String summary = "\n";
        summary += _msg + "\n";
        Iterator iter = _routes.keySet().iterator();
        String direction;
        while (iter.hasNext()) {
            direction = (String)iter.next();
summary += "To the " + direction + " there is " + ((Edge)_routes.get
( direction ))._view + "\n";
        iter = _things.iterator();
        if (iter.hasNext()) {
            summary += "You can see: ";
            do {
                 summary += iter.next() + " ";
            } while (iter.hasNext());
        summary += "\n\n";
        return summary;
    }
```