CSE 331 Section 4: Graphs and Testing

Graphs

1.	Using what you know about a graph (directed, vertices, edges, etc.), design a graph ADT for each of the concepts below: a) Simple Java build system
	b) Google Maps
2.	For each of your designs above, provide pseudo code that would use one or more of the functionality described.
3.	Give some more examples of things that could be represented as graphs. Explain your answer.

Testing

1. Write some tests for the following program specif	ication:
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The Triangle Program:

This program takes as input three integers and determines if they form an isosceles, equilateral, or scalene triangle. The program should fail when the inputs do not form a valid triangle or if the inputs are invalid.

2. Provide a pseudo code implementation for the specification above. With the implementation written, provide additional tests as necessary.