**Line.java**

Class that allows the creation of Line objects and the creation of a lineList.

public class **Line**

**Overview**:

* + 1. This class should be used in conjunction with any classes that want to create a graph of their specific geometries via the Shape.java class.
    2. It provides the ability to create line objects that describe a line by its two endpoints.
    3. The lines created by this class can be added to a lineList which will contain all the lines needed to describe a particular geometric shape.

**Class Constants:**

None.

**Public Variables:**

Point **pt1** - A Point object containing the coordinates of a line’s first endpoint.

Point **pt2** - A Point object containing the coordinates of a line’s second endpoint.

**Private Instance Variables:**

None.

**Constructors:**

public **Line**(Point **pt1**, Point **pt2**)

**pt1** - A Point object containing the coordinates of a line’s first endpoint.

**pt2** - A Point object containing the coordinates of a line’s second endpoint.

Creates a line object from two given Point objects.

**Public Methods:**

public static ArrayList<Line> **CreateLineList**()

Creates an ArrayList of Line objects that describe a particular geometry.

**Private Methods:**

None.

**Mutators and Accessors:**

None.

**Test Interface/Sample:**

None.