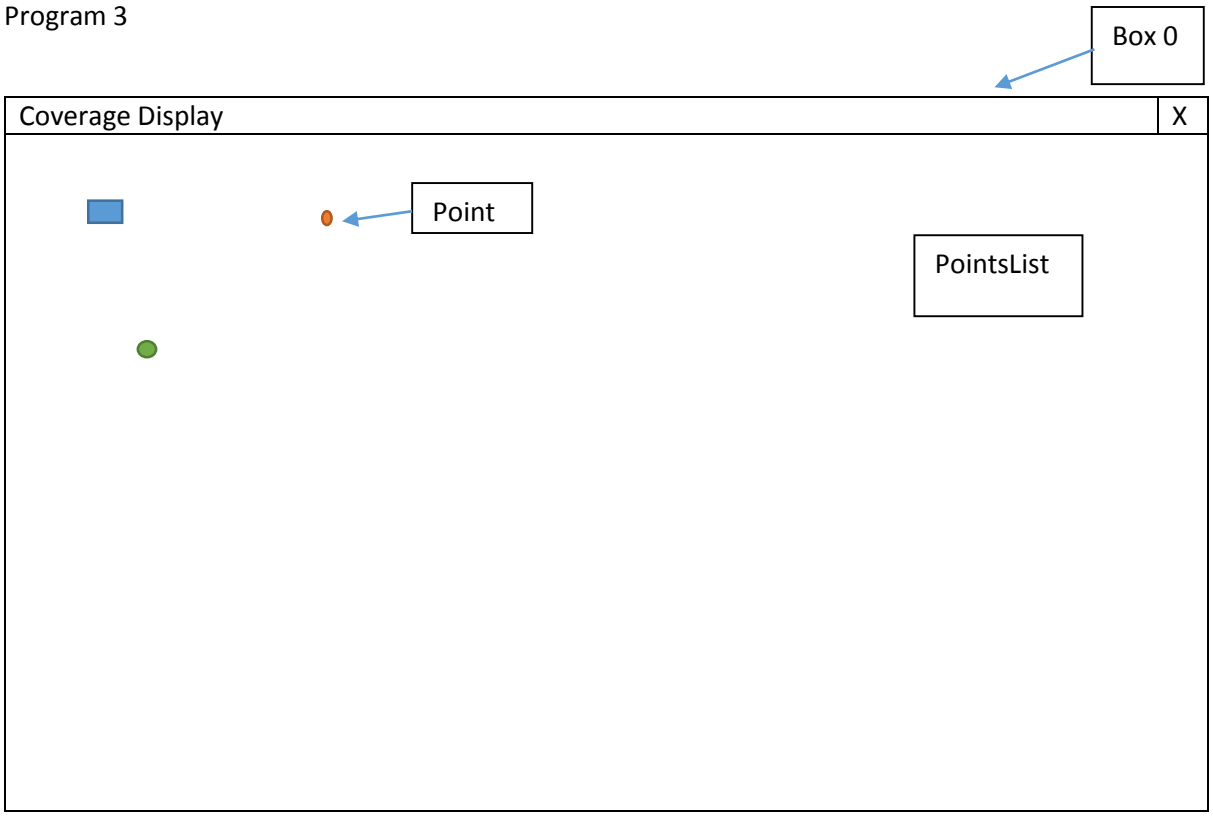
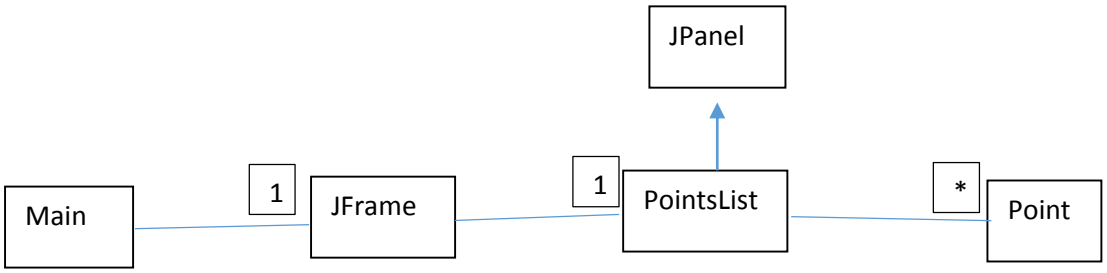
Program 3





Main
-frame : JFrame

PointsList
-towers : Set<Point> -signals : Set<Point>
+PointsList() +getPreferredSize() : Dimension +painComponent(Graphics g) : void

Point
-x : double -y : double -d : double -c : Color
+Point(x : double, y : double, d : double, s : boolean) +Point(x : double, y : double) …

The mian class instantiates the JFrame window setting it to be centred in the middle of the screen. Then adds the PointsLIst JPane which loads in the data files containing the readings and towers. The data is send to the point class where it is turned into point objects; the PointsLIst paints the Points to the JPane as green circles for the good signals, red for the bad signals and blue ovals for the towers. Towers are pointed to a 9 by 9 size the signals are painted to a 3 by 3 size. The JPane has a black back ground to make the points more visible and the JPanel is set to a size of 500 by 500 pixels.