

ProcessAnalyzerImpl.java

```
// This method illustrates how to create a sample plot using various
// classes and their methods from ProcessAnalyzerLib.jar
private PlotData createSamplePlot() {
    // create a plot to be displayed
    PlotData pd = new PlotData();
    pd.setPlotTitle("an example plot");

    // set some hard-coded plot boundaries
    pd.setPlotBoundMaxX(1000);
    pd.setPlotBoundMinX(0);
    pd.setPlotBoundMaxY(500);
    pd.setPlotBoundMinY(0);

    // set the grid using hard-coded values
    pd.setGridDeltaX(100);
    pd.setGridDeltaY(50);

    // create a yellow line to be displayed in the plot
    PlotLine line = new PlotLine();
    line.setColor(Color.YELLOW);
    line.setDrawnAsPoints(false); // display as a solid line or as points

    // create some points that define the line using hard-coded coordinates
    PlotPoint pt = new PlotPoint(100, 50);
    line.addPoint(pt); // add the 1st point to the line
    pt = new PlotPoint(500, 300);
    line.addPoint(pt); // add the 2nd point to the line
    pt = new PlotPoint(800, 200);
    line.addPoint(pt); // add the 3rd point to the line

    pd.addLine(line); // now add the line to the plot

    // Now add some discrete points
    line = new PlotLine();
    line.setColor(Color.GREEN);
    line.setDrawnAsPoints(true); // draw as points rather than as line!
    pt = new PlotPoint(200, 50);
    line.addPoint(pt);
    pt = new PlotPoint(250, 300);
    line.addPoint(pt);
    pd.addLine(line);

    return pd;
}
```