



Javageo.com

# GoenSheet Ver 1.0.1

A Simple SpreadSheet *with CHART*



by

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# Introduction

- It's help you to learn and create a spreadsheet with JTable and Charting tool
- And also give you an idea to design java swing components to create an advance spreadsheet softwares

# The Snapshot

**JTable**  
To create  
A spreadsheet  
Chart

**ToolBar**  
For New, File, Print etc...

**JTree**  
To list  
All files

row line number

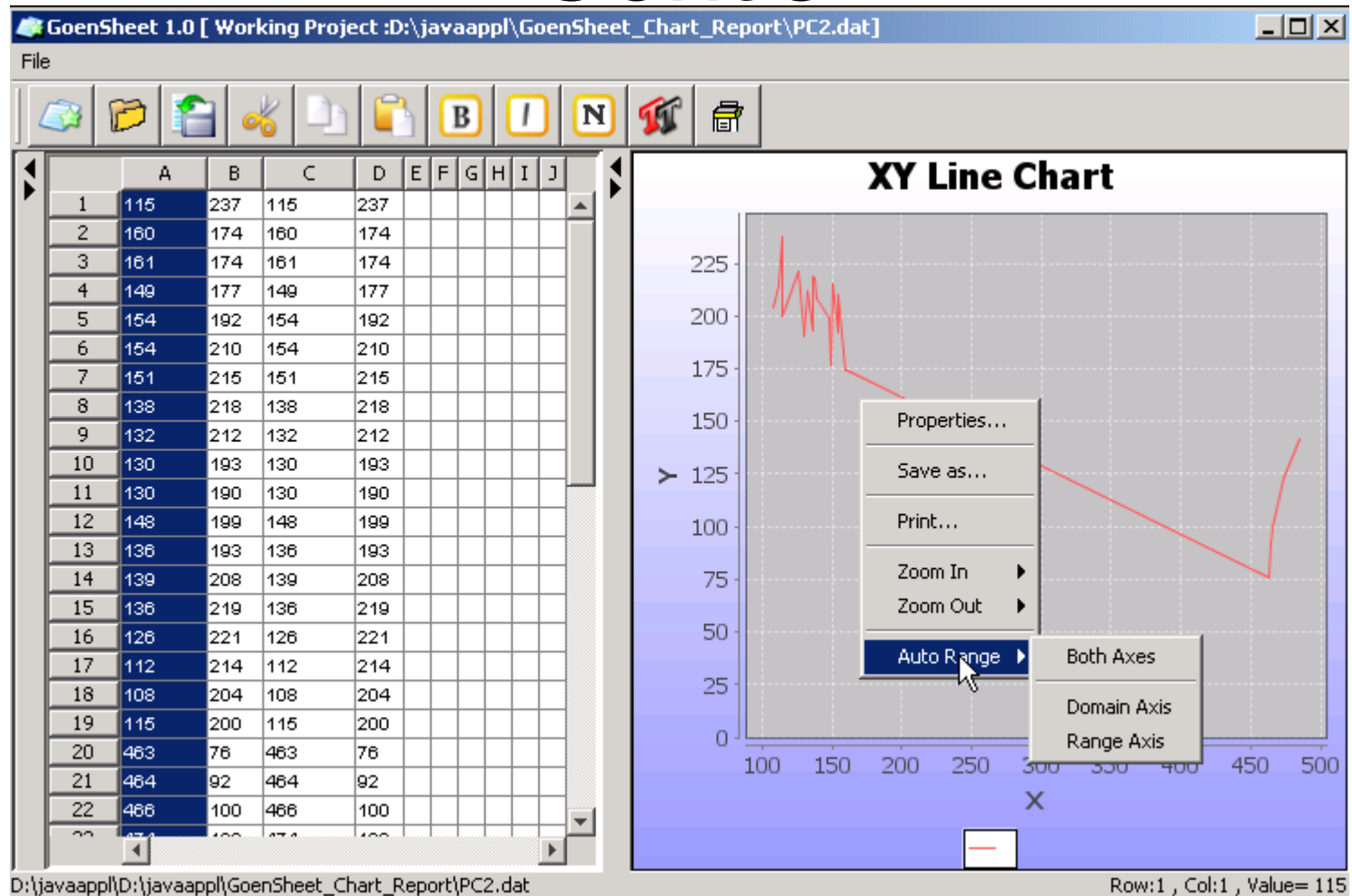
**Bar Chart**

**Mouse Right Click**  
**JPopupMenu**  
To Cut, Copy, Paste, Select All  
etc

Row	A	B	C	D
1	115	237	115	237
2	160	174	160	174
3	174	174	174	174
4	149	177	149	177
5	154	192	154	192
6	154	210	154	210
7	151	215	151	215
8	138	218	138	218
9	132	212	132	212
10	130	193	130	193
11	130	190	130	190
12	148	199	148	199
13	136	193	136	193
14	139	208	139	208
15	136	219	136	219
16	126	221	126	221
17	112	214	112	214
18	108	204	108	204
19	115	200	115	200
20	463	76	463	76
21	464	92	464	92
22	466	100	466	100

You Must Have 3 Columns and Select first column to create Bar Chart

# Cont's



You Must Select a column for (X) to create XY Chart the next Column is (Y)

# Class & Functionality

## **Class**

GhinSheet  
MyToolbar  
ReadFileConfig  
etc

## **Functionalities are**

- Edit ,save ,open and print a SpreadSheet file
- Select cell,row and column
- Cut,paste,copy cell
- Insert and delete row
- Setup file to changer  
(font name,size,color,project directory)
- Display Data and Chart (XY and Bar)
- Easy to use

## **Method**

createMenuBar()  
createBarChart()  
createChart()  
readBarPoint()  
saveSheetFile  
PopUpMenu()  
etc

# JTable

```
rows=new Vector();
    columns= new Vector(); // vector
// fixed column name – ok for a page-
String[] columnNames = { "A","B","C","D","E","F","G","H","I","J"};
addColumnns(columnNames);

tabModel=new DefaultTableModel();           //table model
tabModel.setDataVector(rows,columns);

myTable = new JTable(tabModel); // Jtable
lineTable = new RowLineNumberTable( myTable ); // for row header
sheetCell = new SheetAdapter(myTable); // adapter
```

# Using JFreeChart

- private JFreeChart createChart(final XYDataset dataset, String chartTitle) {
- 
- // create the chart...
- final JFreeChart chart = ChartFactory.createXYLineChart(  
• chartTitle, // chart title  
• "X", // x axis label  
• "Y", // y axis label  
• dataset, // data  
• PlotOrientation.VERTICAL,  
• true, // include legend  
• true, // tooltips  
• false // urls  
• );

## Create Chart from Jtable Data

```
int sizeCol = myTable.getSelectedRowCount() ;
System.out.println("CX="+xcolcell+" CY="+ycolcell+"S="+sizeCol);

try
{
    for(int j=0;j<sizeCol;j++)
    {
        double x = (double)Double.valueOf(myTable.getValueAt(j, xcolcell).toString());
        double y = (double)Double.valueOf(myTable.getValueAt(j, ycolcell).toString());

        series1.add(x,y);
        System.out.println("X="+x+"Y="+y+"Size="+sizeCol);
    }
}
catch(Exception ex){
```

# PopupMenu

```
popup.add(chartPop = new JMenu("Chart"));
        chartPop.add(xychartPop = new JMenuItem("XY Chart"));
        chartPop.add(barchartPop = new JMenuItem("Bar Chart"));

        xychartPop.addActionListener(new MyMenuListener());
        barchartPop.addActionListener(new MyMenuListener());
```

Action for PopMenu to Create A Chart

```
if (e.getActionCommand() == "Bar Chart")
    {
        xychartselect = true;
        createBarDataset();
        readBarPoint( );
        splitMe2.remove(chartPanel);
        chart = createBarChart(bardataset,"Bar Chart");
        chartPanel = new ChartPanel(chart);
        splitMe2.add(chartPanel);
        splitMe2.validate();
    }
//
```

# Conclusion

- The completed program is inside the directory of javageo group / Google Code
- You can download the program
- And try to make your own SpreadSheet by using source code of GoenSheet.

See you on next volume and series !!