



Javageo.com

GoenSheet Ver 1.0.2

A Simple SpreadSheet *with REPORT + CHART*
(JfreeReport + JFreeChart)



by

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Introduction

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

The Chart Snapshot

GoenSheet 1.0 [Working Project :D:\javaappl\GoenSheet_Chart_Report\PC2.dat]

File

ToolBar For New, File, Print etc...

	A	B	C	D	E	F	G	H	I	J
1	115	237	115	237						
2	160	174	160	174						
3	170	174	170	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						

Bar Chart

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

XY Chart

Bar Chart

174 177 192 210 215 218 212 193 199 208 219 221 214 204 200 76 92 100 123 142 141 136 120 105 97 82 91 124 140 143 125 114 106 102 126 146 167 179 178 159 133

row line number

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

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

The Report

Report of D:\javaappl - Print Preview

File Navigation Zoom Help

100 %

Tabel of Data

First of Report

237	115	237	-	-	-	-	-
174	160	174	-	-	-	-	-
174	161	174	-	-	-	-	-
177	149	177	-	-	-	-	-
192	154	192	-	-	-	-	-
210	154	210	-	-	-	-	-
215	151	215	-	-	-	-	-
218	138	218	-	-	-	-	-
212	132	212	-	-	-	-	-
193	130	193	-	-	-	-	-
190	130	190	-	-	-	-	-
199	148	199	-	-	-	-	-
193	136	193	-	-	-	-	-
208	139	208	-	-	-	-	-
219	136	219	-	-	-	-	-
221	126	221	-	-	-	-	-
214	112	214	-	-	-	-	-
204	108	204	-	-	-	-	-
200	115	200	-	-	-	-	-
76	463	76	-	-	-	-	-

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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)
- Display Report**
- Easy to use

Method

createMenuBar()
createBarChart()
createChart()
createChart()
readBarPoint()
executeReport ()
previewData()
etc

Report

```
//Report
protected void executeReport ()
{
    ReportGenerator generator =ReportGenerator.createInstance();
    try {
        java.io.File in = new java.io.File("goensheet.xml");
        // final URL in = file.toURL();
        if (in == null) { warnme("null xlm"+in);
            return; }
        JFreeReport report = generator.parseReport(in);
        report.setName(" Report of "+sourceDir);
        report.setData(tabModel);

        for (int d=1;d<tabModel.getColumnCount();d++)
        {
            TextFieldElementFactory factory = new TextFieldElementFactory();
            factory.setName(tabModel.getColumnName(d-1));
            factory.setAbsolutePosition(new Point2D.Float(0+d*50, 0));
            factory.setMinimumSize(new FloatDimension(140*d, 12));
            factory.setColor(Color.black);
            factory.setHorizontalAlignment(ElementAlignment.LEFT);
            factory.setVerticalAlignment(ElementAlignment.MIDDLE);
            factory.setFieldname(tabModel.getColumnName(d-1));
            report.getItemBand().addElement(factory.createElement());
        }
        final PreviewDialog preview = new PreviewDialog(report, this, true);
        preview.getBase().setToolBarFloatable(true);
        preview.pack();
        preview.setVisible(true);
    }
    catch ( Exception e) { Log.error("Failed to generate report ", e); }
}
```

Using JFreeReport

```
public void previewData()  
{  
    JFreeReportBoot.getInstance().start();  
    try {  
        executeReport();  
    }catch ( Exception ed) {warnme("error"+ed);}  
}
```

XML file page setup

```
<?xml version="1.0" encoding="iso-8859-1"?>
<!DOCTYPE report PUBLIC "-//JFreeReport//DTD report definition//EN//simple/version 0.8.5"
    "http://jfreereport.sourceforge.net/report-085.dtd">
<report name="Report" pageformat="A4" topmargin="70" leftmargin="70" bottommargin="40" rightmargin="70">

  <!-- REPORT HEADER -->
  <reportheader height="24" fontname="SansSerif" fontstyle="bold" fontsize="18">
    <label x="0" y="0" width="100%" height="20" alignment="center">Table of Data </label>
    <label x="0" y="32" width="100%" height="10" fontsize="10" alignment="center">First of Report</label>
  <line x1="0" y1="30" x2="100%" y2="30" weight="0.5"/>
  </reportheader>

  <!-- REPORT FOOTER -->
  <reportfooter height="34" fontname="SansSerif" fontstyle="bold" fontsize="10">
    <line x1="0" y1="10" x2="100%" y2="10" weight="0.5"/>
    <label x="0" y="0" width="100%" height="30" alignment="center">END OF REPORT</label>
  </reportfooter>

  <!-- PAGE HEADER -->
  <pageheader height="15" onfirstpage="false" fontname="Serif" fontstyle="bold" fontsize="10">
    <line x1="0" y1="30" x2="100%" y2="30" weight="0.5"/>
    <label x="0" y="0" width="100%" height="20" alignment="center">PAGE HEADER</label>
  </pageheader>

  <!-- PAGE FOOTER -->
  <pagefooter height="24" onfirstpage="true" onlastpage="true" fontname="Serif" fontstyle="italic" fontsize="9">
    <line x1="0" y1="4" x2="100%" y2="4" weight="0.5"/></line>
    <date-field fieldname="report.date" format="d-MMM-yyyy" x="0" y="4" width="100" height="18" alignment="left"/>
    <number-field fieldname="PageNumber" format="Page 0" x="0" y="4" width="100%" height="18" alignment="right"/>
  </pagefooter>

  <!-- FUNCTIONS -->
  <functions>
    <property-ref name="report.date"/>
    <function name="PageNumber" class="org.jfree.report.function.PageFunction"/>
  </functions>
</report>
```

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 !!