



Javageo.com

# GoenSheet Ver 1.0.2

**A Simple SpreadSheet *with REPORT + CHART +Database***  
*(JfreeReport + JfreeChart + HSQLDB)*



by

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# Introduction

- It's help you to learn and create a spreadsheet with JTable, Reporting and Charting tool also import data from external database system.
- 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...

JTable To create A spreadsheet Chart

JTree To list All files

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

	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



# 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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# Database Connection

The screenshot shows the GoenSheet 1.0 application window. The main window displays a spreadsheet with a table of data. A 'Database Connection' dialog box is open, showing configuration options for a database connection. The table in the background has the following data:

	NAMA	FUNGSI	VERSI	CREATEBY	CREATEDATE	F	G	H	I	J
1	goen-qhin	editor	test	java...	2007-08-02					
2	goen-qhin	tool	test	java...	2007-08-02					
3	goen-qhin	zip	test	java...	2007-08-02					
4	goen-qhin	browser	test	java...	2006-08-02					

The 'Database Connection' dialog box contains the following fields:

- Option: (empty)
- Driver: org.hsqldb.jdbcDriver
- URL: jdbc:hsqldb:file:
- Database: test
- User Name: sa
- Password: (empty)
- Query: select \* from Program

Buttons at the bottom of the dialog: Apply, Default, Reset, Close.

Annotations in the image:

- 'Import from database' points to the 'Load Database' button in the spreadsheet toolbar.
- 'Database connection' points to the 'Database Connection' dialog box.

Row:3 , Col:2 , Value= zip

# Class & Functionality

## Class

GhinSheet  
MyToolbar  
ReadFileConfig  
etc

## Method

createMenuBar()  
createBarChart()  
createChart()  
createChart()  
readBarPoint()  
executeReport ()  
previewData()  
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
- Import data from database
- Easy to use

# The Connection

```
public static Connection getConnection() throws SQLException, IOException {
    goenDBprops = new Properties();

    FileInputStream in = new FileInputStream(sfile);
    goenDBprops.load(in);

    String drivers = goenDBprops.getProperty("jdbc.drivers");
    if (drivers != null)
        System.setProperty("jdbc.drivers", drivers);

    myDatabase = goenDBprops.getProperty("jdbc.database");
    myURL = goenDBprops.getProperty("jdbc.url");
    String username = goenDBprops.getProperty("jdbc.username");
    String password = goenDBprops.getProperty("jdbc.password");

    return DriverManager.getConnection(myURL+myDatabase, username, password);
}
```

# Import from database

```
public void connectDB(String queryText)
{
    //remove all rows first
    removeTable();
    //add new headers
    addColumn();

    //container
    Vector row = new Vector();
    String columnName = " ";
    try {
        con = getConnection();
        stmt = con.createStatement(ResultSet.TYPE_SCROLL_INSENSITIVE ,
                                   ResultSet.CONCUR_READ_ONLY);

        rs = stmt.executeQuery(queryText);
        ResultSetMetaData rsmd = rs.getMetaData();

        String[] record = new String[rsmd.getColumnCount()];

        for (int i = 1; i <= rsmd.getColumnCount(); i++) {
            columnName = rsmd.getColumnName(i);
            ChangeName(myTable,i-1,columnName);
        }

        while (rs.next()) {
            row = new Vector();
            for (int i=1; i <= rsmd.getColumnCount(); i++) {
                columnName = rs.getString(i);
                row.addElement(columnName);
            }
            tabModel.addRow(row);
        }

        myTable.addNotify();
    } catch (Exception e) {
        warnme("error database "+e);
    }
}
```

# Database file configuration

```
#GoenDB Ver 1.0 Pekanbaru 2007 - Properties File  
#Wed Nov 05 02:17:38 PST 2008  
jdbc.url=jdbc\:hsqldb\:file\  
jdbc.database=test  
jdbc.username=sa  
jdbc.drivers=org.hsqldb.jdbcDriver  
jdbc.password=
```

# 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 !!