

Advanced Topics in Software Engineering



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Project

JFreeChart

JFreeChart is a free (LGPL) chart library for the Java(tm) platform. It supports bar charts, pie charts, line charts, time series charts, scatter plots, histograms, simple Gantt charts, Pareto charts, bubble plots, dials, thermometers and more.

A view of the program...

File

Demos Memory Usage Source Code

- JFreeChart
 - Pie Charts
 - PieChartDemo1.java
 - PieChartDemo2.java
 - PieChartDemo3.java
 - PieChartDemo8.java
 - PieChart3DDemo1.java
 - PieChart3DDemo2.java
 - PieChart3DDemo3.java
 - MultiplePieChartDemo1.java
 - RingChartDemo1.java
 - Bar Charts
 - Line Charts
 - Area Charts
 - Time Series Charts
 - Financial Charts
 - XY Charts
 - Meter Charts
 - Multiple Axis Charts
 - Combined Axis Charts
 - Gantt Charts
 - Miscellaneous

Pie Chart Demo 1

Segment	Value
One	43,2
Two	10
Three	27,5
Four	17,5
Five	11
Six	19,4

● One = 43,2 ● Two = 10 ● Three = 27,5 ● Four = 17,5 ● Five = 11 ● Six = 19,4

PieChartDemo1

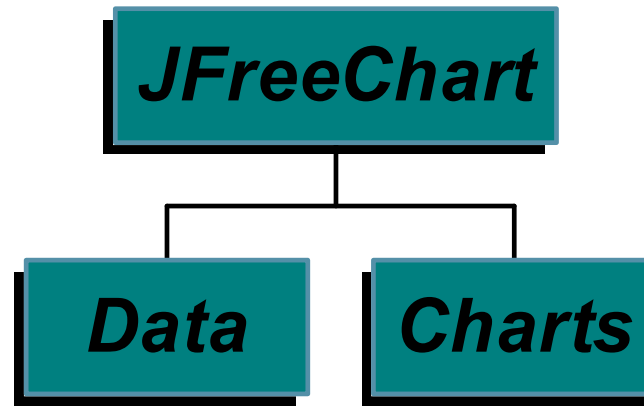
This demo shows a simple pie chart created from a DefaultPieDataset.

What to add?

Addition of a toolbar for faster input of data.



*The structure of our source-
code...*



*...and the packages it
contains*

Charts

org.jfree.chart

org.jfree.chart.annotations.junit

org.jfree.chart.axis

org.jfree.chart.block

org.jfree.chart.demo

org.jfree.chart.encoders

org.jfree.chart.entity.junit

org.jfree.chart.imagemap

org.jfree.chart.labels

org.jfree.chart.needle

org.jfree.chart.plot

org.jfree.chart.renderer

org.jfree.chart.renderer.junit

org.jfree.chart.renderer.xy.junit

org.jfree.chart.servlet

org.jfree.chart.title.junit

org.jfree.chart.urls.junit

org.jfree.chart.annotations

org.jfree.chart.annotations.junit

org.jfree.chart.axis.junit

org.jfree.chart.block.junit

org.jfree.chart.editor

org.jfree.chart.entity

org.jfree.chart.event

org.jfree.chart.junit

org.jfree.chart.junit

org.jfree.chart.needle.junit

org.jfree.chart.plot.junit

org.jfree.chart.renderer.category

org.jfree.chart.renderer.xy

org.jfree.chart.resources

org.jfree.chart.title

org.jfree.chart.urls



Data

org.jfree.data.category

org.jfree.data.category.junit

org.jfree.data.cotour

org.jfree.data.function

org.jfree.data.gantt

org.jfree.data.gantt.junit

org.jfree.data.general

org.jfree.data.jgeneral.junit

org.jfree.data.io

org.jfree.data.jdbc

org.jfree.data.junit

org.jfree.data.resources

org.jfree.data.statistics

org.jfree.data.statistics.junit

org.jfree.data.time

org.jfree.data.time.junit

org.jfree.data.xml

org.jfree.data.xy

org.jfree.data.xy.junit

Our Changes...

By working on the method “Create Dataset” (located in PieChartDemo1.java, BarChartDemo1.java, TimeSeriesDemo1.java) we plan on making input of data more easily accessible to the user, by having it appear as an option in the toolbar.

