SmartJReport (Java Report and

Swing Printing API)

Generate report from Java and Swing components to Print, PDF, TIFF, PostScript and convert to images such as PNG, BMP, GIF, JPG/JPEG and more. SmartJReport has printer classes to Print, PDF and convert to other data formats very easily.

Report Generate from Java J2EE Applications

With the following classes report generate from your Java, J2EE server and client applications.

Â· `JavaReportModel`â€" The model for the report engine. Easy to use data model lets you push Text, Styled Text, Icons, Images, Swing component data such as `JTable` , `JTextPane` , `JTextArea` , `JTextComponent`     and more.

Â· `JavaReportPrinter`—Input  `ReportModel`    into this class to generate a report as a `java.awt.print.Pageable` document. Report document when generated it automatically formats the model data breaking into lines, and pages. Icons and images are either broken into multiple pieces or shrink fit to the page depending on the option you choose when generating the report document. Report generator also lets you print the model data to a printer or preview it in UI.

Report from Swing Components

From your Swing client (or server) applications generate report document ( `java.awt.print.Pageable` ) from any Swing components. Print, PDF, TIFF, PostScript, PNG, BMP, GIF, JPG/JPEG froms  `JTable, JTreeTable, TableModel, JTree, JTextField, JTextArea, JTextPane, JList,` and any kind of  `javax.swing.Jcomponent`. Following are the Swing printers and next to it is the list of Swing components supported by it.

Â· `JavaTablePrinter`â€"`JTable, JTreeTable and TableModel`
Â· `JavaTreePrinter`â€"`JTree`
Â· `JavaListPrinter`â€"`JList, JComboBox`
Â· `JavaDocumentPrinter`â€"`JTextField, JTextArea, JTextPane` and any `JTextComponent`
Â· `JavaComponentPrinter`â€" For any other kind of  `javax.swing.JComponent` Swing component.

Microsoft Excel (MS XLS Document)

Report API supports generating a `java.awt.print.Pageable` report document from *Microsoft Excel* documents.
Â· `ExcelDocPrinter` â€" Microsoft excel spreadsheet printing, previewing and report generation.

Print and Preview

Report producer classes such as `JavaReportPrinter, JavaTablePrinter, JavaTreePrinter, JavaDocumentPrinter, JavaComponentPrinter` are all having `print()` and `preview()` methods for you to print the report it generates or lets you preview it in an UI.

Report Conversion

Report document ( `java.awt.print.Pageable`) produced by the report classes mentioned here can be used for converting to other data formats such as PDF, RTF, TIFF and image formats such as PNG, GIF, JPG/JPEG, BMP. You can convert Pageable to a post script output file or get a `java.awt.img.BufferedImage[]`

Â· **PDF** â€" `ConversionFactory.saveAsPDF()` [Requires PDF generation jars in class path]
Â· **RTF** â€" `ConversionFactory.saveAsRTF()` [Requires RTF API jars in class path]
Â· **TIFF** â€" `ConversionFactory.saveAsTIFF()`
Â· **PNG** â€" `ConversionFactory.saveAsPNG()`
Â· **JPG/JPEG** â€" `ConversionFactory.saveAsJPEG()`
Â· **GIF** â€" `ConversionFactory.saveAsGIF()`
Â· **BMP** â€" `ConversionFactory.saveAsBMP()`
Â· **PostScript** â€" `ConversionFactory.saveAsPostScript()`
Â· **BufferedImage** - `java.awt.img.BufferedImage[]` â€" `ConversionFactory.getImagesForPages()`