

Jasper Reporting with Java

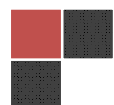
Reports

Reports are used to getting support for Decision Making Procedure in a any kind of a Software for the User. Reports are the **information** in a **System**. That information generated by **processing** the **Data**.

Description about Jasper Reporting

JasperReports' reports are defined in XML files, which by convention have an extension of jrxml. A typical jrxml file contains the following elements:

- `<xml>` - declare XML version
- `<DOCTYPE>` - Mention about Document type as a Report
- `<jasperReport>` - the root element.
- `<title>` - its contents are printed only once at the beginning of the report
- `<pageHeader>` - its contents are printed at the beginning of every page in the report.
- `<detail>` - contains the body of the report.
- `<pageFooter>` - its contents are printed at the bottom of every page in the report.
- `<band>` - defines a report section, all of the above elements contain a band element as its only child element.

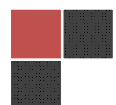


Create a Simple Report

By Hand Coding

```
<?xml version="1.0"?>
<!DOCTYPE jasperReport
    PUBLIC "-//JasperReports//DTD Report Design//EN"
    "http://jasperreports.sourceforge.net/dtds/jasperreport.dtd">

<jasperReport name="Report1">
    <detail>
        <band height="20">
            <staticText>
                <reportElement x="180" y="0" width="200" height="20"/>
                <text><![CDATA[Hello Report World!]]></text>
            </staticText>
        </band>
    </detail>
</jasperReport>
```



Compile and View the Report in Java

```
try {  
  
    JasperReport report =  
        JasperCompileManager.compileReport("D:/Report/Report1.jrxml");  
    JasperPrint print = JasperFillManager.fillReport(report,  
        new HashMap(), new JREmptyDataSource());  
  
    JasperViewer.viewReport(print, false);  
} catch (Exception ex) {  
    ex.printStackTrace();  
}
```

References :

<http://jasperforge.org/uploads/publish/jasperreportswebsite/trunk/samples.html>

