WOBarcode

WOBarcode Framework

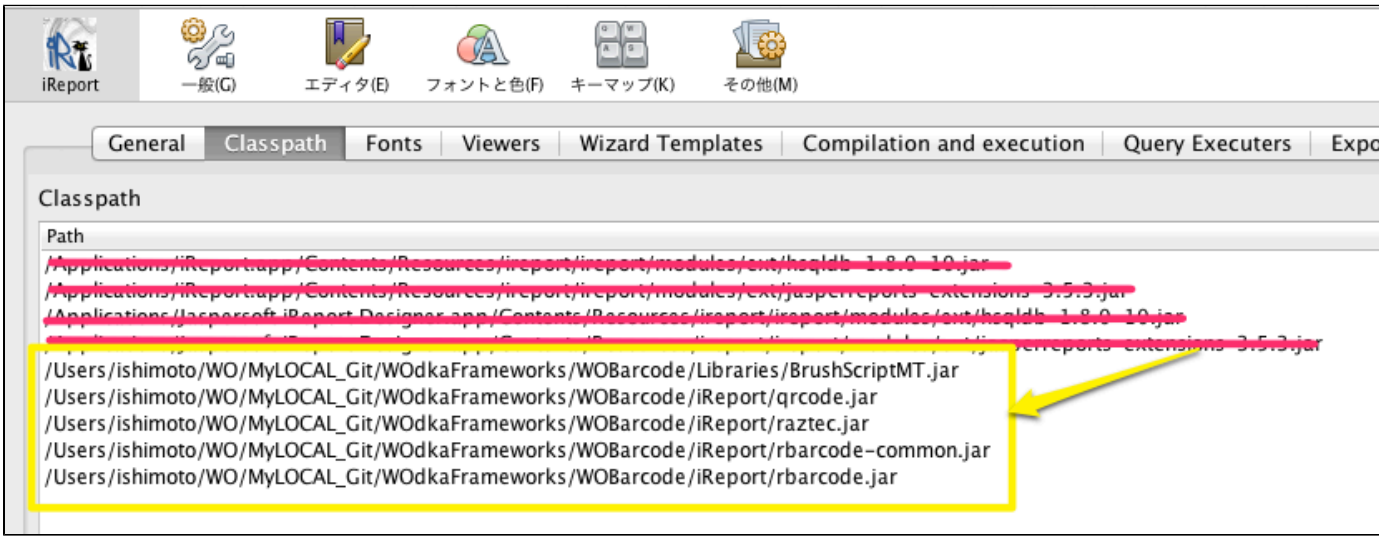
This Library uses a Commercial Product, that's why it is not in the Wonder Project itself.

You can buy this Package from http://www.java4less.com/barcodes/barcodes.php

- Java J4L Barcode Suite, single company USD 210.-
- Java J4L Barcode Suite, redistribution license USD 420.-

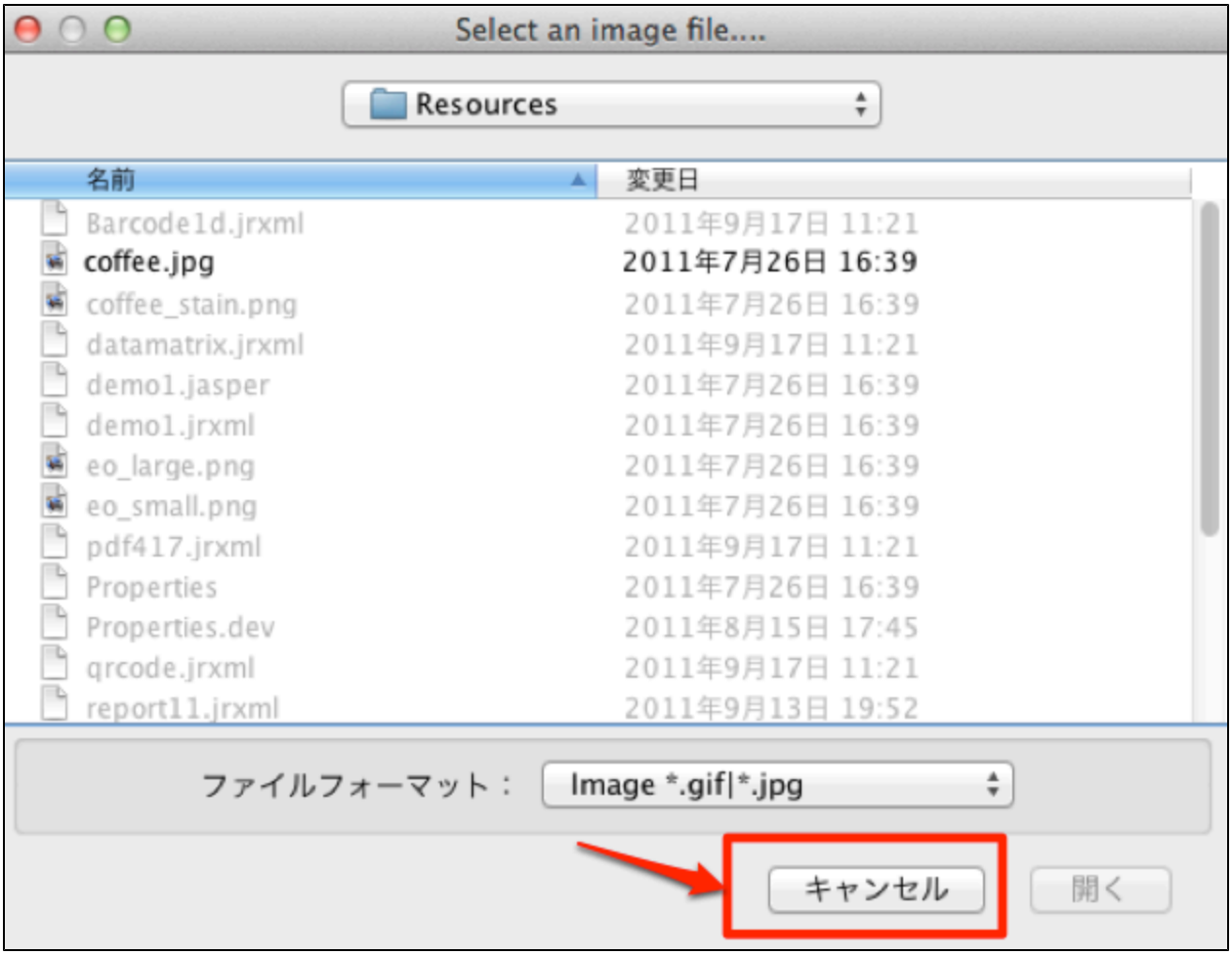
Setup iReport

Add Classpath to iReport :



Use Barcode in iReport

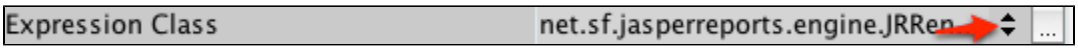
Drag and Drop a Image to the Jasperform.



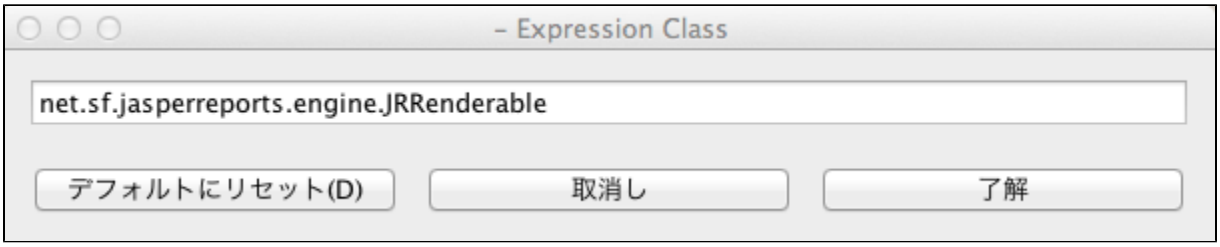
Set the Size.'Width' and 'Height'

Width	100
Height	100

Set the 'Expression Class' to



Set the 'Image Expression' like Sample below.



Expression Sample

use code in Image Expression

PDF417

```
new com.java4less.rbarcode.jr.J4LBarcodeRenderer((new
com.java4less.rbarcode.BarCode2DFacade()).createBarcodeImage(
 "This is a PDF417",null,0,0,3,1,"TEXT",1,4,20,null))
```

Datamatrix

```
new com.java4less.rbarcode.jr.J4LBarcodeRenderer((new
com.java4less.rdatamatrix.RDataMatrixFacade()).createBarcodeImage(
 "This is a Datamatrix",null,false,3,30,"AUTO",null,null))
```

QRCode

```
new com.java4less.rbarcode.jr.J4LBarcodeRenderer((new
com.java4less.qrcode.QRCodeFacade()).createBarcodeImage(
 "This is a QRCode",null,3,false,20,"H","AUTO",1,null))
```

Code39

```
new com.java4less.rbarcode.jr.J4LBarcodeRenderer((new
com.java4less.rbarcode.BarCodeFacade()).createBarcodeImage(
 "CODE39","C1005263","A","false","C-1005263",0,20,1,2,null,null,null,null,
30,30,null))
```

JAN / EAN 13

```
new com.java4less.rbarcode.jr.J4LBarcodeRenderer((new
com.java4less.rbarcode.BarCodeFacade()).createBarcodeImage(
 "EAN13","1234567890982","A","false","1234567890983",0,40,1,2,null,null,nu
ll,null,30,30,null))
```

Parameter

@**param type** - type of barcode to create.

Valid values are:
BAR39, BAR38EXT, CODE128, CODE11, CODABAR, CODE93, CODE93EXT, MSI, IND25, MAT25, INTERLEAVED25, EAN13, EAN8, EAN128, UPCA, UPCE or POSTNET

Sample : "EAN13"

@**param value** - value to be encoded

Sample : "1234567890982"

@**param code128** - 'A', 'B' or 'C' (CODE128 only)

Sample : "A"

@**param processTilde** -
processTilde (PROCESS_TILDE): it true , the tilde character in the input data will be processed as follows:
~dNNN represents the ascii character encoded by the 3 digits NNN. For example, ~d065 represents the character 'A'.

Sample : "false"

@**param text** - value to be displayed below the barcode

Sample : "1234567890983"

@**param rotate** - rotation of the barcode, currently only value 0 supported

Sample : "0"

@**param barHeight** - height of bars in pixels

Sample : "40"

@**param X** - width of narrow bars in pixels

Sample : "1"

@**param N** - multiplier for wide bars. A value of 2, means that wide bars will be 2 times the width of narrow bars. The default value is 2

Sample : "2"

@**param barColor** - Color of bars
Valid values are RED, BLACK, BLUE, CYAN, DARKGRAY, GRAY, GREEN, LIGHTGRAY, MAGENTA, PINK, WHITE or YELLOW.
You can also use the RGB value.

Sample : "null"

@**param fontColor** - color of the text

Sample : "null"

@**param backColor** - background color

Sample : "null"

@**param font** - font of the text, for example "ARIAL|BOLD|10", the format is <family|style|size>

Sample : "null"

@**param leftMargin** - margin in pixels

Sample : "30"

@**param topMargin** - margin in pixels

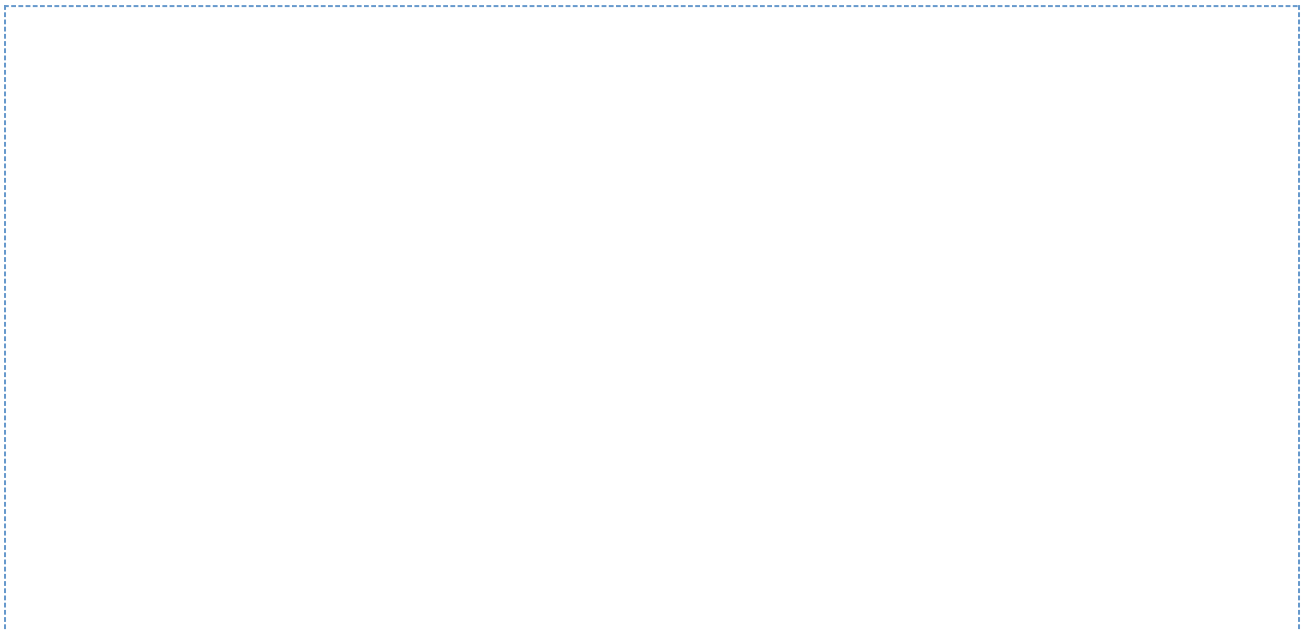
Sample : "30"

*@param properties - currently ignored, use null

Sample : "null"

Display BarCode as an JPEG to the HTML Site

Sample Action URL
wa/barCode?id="1291898293823"



```
// Display BarCode as Image Object
  public WOActionResults barCodeAction() {

    BarCode bc= new BarCode();
    bc.setSize(400 , 200);
    bc.barType = BarCode.EAN128;
    bc.resolution=1;
    bc.leftMarginCM= 50;
    bc.topMarginCM= 50;
    bc.checkCharacter =true;
    bc.code = "1291898293823"; // use the request or what you like here
    bc.barColor = java.awt.Color.black;
    bc.backColor= java.awt.Color.white;
    bc.fontColor = java.awt.Color.blue;
    bc.textFont = new java.awt.Font("Arial",java.awt.Font.BOLD,14);
    bc.X = 1;
    bc.N = 3;

    //create bufferred image
    java.awt.image.BufferedImage image = new java.awt.image.BufferedImage(
bc.getSize().width,bc.getSize().height,java.awt.image.BufferedImage.TYPE_B
YTE_INDEXED );
    java.awt.Graphics imgGraphics = image.createGraphics();

    bc.paint(imgGraphics );

    ByteArrayOutputStream os=new ByteArrayOutputStream();
    com.sun.image.codec.jpeg.JPEGImageEncoder encoder =
com.sun.image.codec.jpeg.JPEGCodec.createJPEGEncoder(os);

    byte[] imageBytes = null;
    try {
      encoder.encode( (BufferedImage) image);
      imageBytes=os.toByteArray();
    } catch (Exception e) {
      e.printStackTrace();
    }

    WOResponse response = new WOResponse();
    response.setContent(imageBytes);
    response.setHeader("image/jpeg", "content-type");

    response.setHeader("Connection", "keep-alive");
    response.setHeader("no-cache, must-revalidate", "Cache-Control"); //
HTTP/1.1
    response.setHeader("Fri, 1 Jan 2010 08:00:00 GMT", "Expires"); // Date
in the past

    return response;
  }
```