1. 使用js插件实现二维码

jquery.qrcode.min.js插件是jq系列的基于jq，在引入该插件之前要先引入jq。能够在客户端生成矩阵二维码QRCode 的jquery插件 ，使用它可以很方便的在页面上生成二维条码。js文件准备：jquery.min.js，jquery.qrcode.min.js   
导入js文件，然后编写如下代码，访问该页面。

<div id="qrcode"></div>

<script type="text/javascript">

$("#qrcode").qrcode("www.baidu.com");

</script>

1. 使用QRCode方式实现二维码

创建二维码：

private static void createORcode() throws UnsupportedEncodingException, IOException {

Qrcode qrcode=new Qrcode();

qrcode.setQrcodeErrorCorrect('M'); //纠错等级L M Q H

qrcode.setQrcodeEncodeMode('B'); //N:数字，A:a-Z ,B:其他字符

int version = 7;

qrcode.setQrcodeVersion(version);

String qrData="www.baidu.com";

byte data[]=qrData.getBytes("gb2312");

int width = 67+12\*(version-1);

int hight=67+12\*(version-1);

BufferedImage bufferedImage=new BufferedImage(width, hight, BufferedImage.TYPE\_INT\_RGB);

Graphics2D graphics2d=bufferedImage.createGraphics();

graphics2d.setBackground(Color.white);

graphics2d.setColor(Color.black);

graphics2d.clearRect(0, 0, width, hight);

int pixoff=2; //偏移量

if (data.length>0 && data.length<120) {

boolean[][] s=qrcode.calQrcode(data);

for (int i = 0; i < s.length; i++) {

for (int j = 0; j < s.length; j++) {

if (s[j][i]) {

graphics2d.fillRect(j\*3+pixoff, i\*3+pixoff, 3, 3);

}

}

}

}

graphics2d.dispose();

bufferedImage.flush();

ImageIO.write(bufferedImage, "png", new File("D:/download/imag.png"));

}

读取二维码：两种方式：1.readZxing()的方式，2.如下

private static void readQRcode() throws IOException, NotFoundException {

File file=new File("D:/download/imag.png");

BufferedImage bufferedImage=ImageIO.read(file);

QRCodeDecoder codeDecoder=new QRCodeDecoder();

String res=new String(codeDecoder.decode(new MyQRCodeImage(bufferedImage)),"gb2312");

System.out.println(res);

}

1. 通过使用zxing方式实现：

[https://github.com/zxing/zxing](https://github.com/zxing/zxing" \t "https://blog.csdn.net/u013725455/article/details/_blank) 下载源代码，将core/src/main/java/下的所有文件和javase/src/main/java/下的所有文件一起打成jar文件zxing.jar

创建二维码：

@SuppressWarnings({"rawtypes", "unchecked"})

private static void createZxing() throws WriterException, IOException {

int width=300;

int hight=300;

String format="png";

String content="www.baidu.com";

HashMap hints=new HashMap();

hints.put(EncodeHintType.CHARACTER\_SET, "utf-8");

hints.put(EncodeHintType.ERROR\_CORRECTION, ErrorCorrectionLevel.M);//纠错等级L,M,Q,H

hints.put(EncodeHintType.MARGIN, 2); //边距

BitMatrix bitMatrix=new MultiFormatWriter().encode(content, BarcodeFormat.QR\_CODE, width, hight, hints);

Path file=new File("D:/download/imag.png").toPath();

MatrixToImageWriter.writeToPath(bitMatrix, format, file);

}

读取二维码：

private static void readZxing() throws IOException, NotFoundException {

MultiFormatReader read = new MultiFormatReader();

File file=new File("D:/download/imag.png");

BufferedImage image=ImageIO.read(file);

Binarizer binarizer=new HybridBinarizer(new BufferedImageLuminanceSource(image));

BinaryBitmap binaryBitmap=new BinaryBitmap(binarizer);

Result res=read.decode(binaryBitmap);

System.out.println(res.toString());

System.out.println(res.getBarcodeFormat());

System.out.println(res.getText());

}