

JFreeChart and wicket example

This page shows an example of how to use JFreeChart with wicket.

PieChartExamplePage.html

```
<html>
<body>
<img wicket:id="image">
</body>
</html>
```

PieChartExamplePage.java

```
import org.apache.wicket.markup.html.WebPage;
import org.jfree.chart.ChartFactory;
import org.jfree.chart.JFreeChart;
import org.jfree.data.general.DefaultPieDataset;

public class PieChartExamplePage extends WebPage {

    public PieChartExamplePage() {
        DefaultPieDataset d = new DefaultPieDataset();
        d.setValue("JavaWorld", new Integer(75));
        d.setValue("Other", new Integer(25));
        JFreeChart chart = ChartFactory.createPieChart("Sample Pie Chart", d,
            true, // Show legend
            true, // Show tooltips
            true); // Show urls
        //chart.setBackgroundPaint(Color.white);
        //chart.setBorderVisible(false);
        add(new JFreeChartImage("image", chart, 300, 300));
    }
}
```

JFreeChartImage.java

```

import java.io.ByteArrayOutputStream;
import java.io.IOException;

import org.apache.wicket.markup.html.image.Image;
import org.apache.wicket.request.resource.DynamicImageResource;
import org.apache.wicket.model.Model;
import org.apache.wicket.request.http.WebResponse;
import org.jfree.chart.ChartUtilities;
import org.jfree.chart.JFreeChart;

public class JFreeChartImage extends Image {

    private final int width;
    private final int height;

    public JFreeChartImage(String id, JFreeChart chart, int width, int height){
        super(id, new Model(chart));
        this.width = width;
        this.height = height;
    }

    @Override
    protected DynamicImageResource getImageResource() {
        return new DynamicImageResource(){
            @Override
            protected byte[] getImageData() {
                JFreeChart chart = (JFreeChart)getDefaultModelObject();
                return toImageData(chart.createBufferedImage(width, height));
            }

            @Override
            protected void setHeaders(WebResponse response) {
                if (isCacheable()) {
                    super.setHeaders(response);
                } else {
                    response.setHeader("Pragma", "no-cache");
                    response.setHeader("Cache-Control", "no-cache");
                    response.setDateHeader("Expires", 0);
                }
            }
        };
    }
}

```

No-Cache for Wicket 1.5

```
@Override
protected DynamicImageResource getImageResource() {
    DynamicImageResource resource = new DynamicImageResource() {

        @Override
        protected byte[] getImageData(final Attributes attributes) {
            JFreeChart chart = (JFreeChart) getDefaultModelObject();
            return toImageData(chart.createBufferedImage(width, height));
        }

        @Override
        protected void configureResponse(final ResourceResponse response, final Attributes attributes) {
            super.configureResponse(response, attributes);

            if (isCacheAble() == false) {
                response.setCacheDuration(Duration.NONE);
                response.setCacheScope(CacheScope.PRIVATE);
            }
        }
    };

    return resource;
}
```