

HelloWorldLanguages.java

```
1 import com.cete.dynamicpdf.*;
2 import com.cete.dynamicpdf.pageelements.Label;
3 import com.cete.dynamicpdf.pageelements.Rectangle;
4 import com.cete.dynamicpdf.text.OpenTypeFont;
5 import java.io.FileInputStream;
6 import java.io.IOException;
7 import java.util.Properties;
8 import javax.servlet.ServletConfig;
9 import javax.servlet.ServletException;
10 import javax.servlet.ServletOutputStream;
11 import javax.servlet.http.HttpServlet;
12 import javax.servlet.http.HttpServletRequest;
13 import javax.servlet.http.HttpServletResponse;
14
15 public class HelloWorldLanguages extends HttpServlet {
16
17     ServletOutputStream sOut;
18
19     public void init(ServletConfig config) throws ServletException {
20         super.init(config);
21     }
22
23     public void doGet(HttpServletRequest req, HttpServletResponse res)
24             throws IOException, ServletException {
25
26         sOut = res.getOutputStream();
27         // Create a document and set it's properties
28         Document document = new Document();
29         document.setCreator("HelloWorldLanguages.java");
30         document.setAuthor("ceTe Software");
31         document.setTitle("Hello World Languages");
32
33         Font japansesFont = Font.getHeiseiKakuGothicW5();
34         Font koreanFont = Font.getHanyangSystemsGothicMedium();
35         Font chineseSimplifiedFont = Font.getSinoTypeSongLight();
36         Font chineseTraditionalFont = Font.getMonotypeHeiMedium();
37         Font latin1Font = Font.getTimesRoman();
38
39         Properties properties = new Properties();
40         try {
41             properties.load(new FileInputStream(getServletContext().getRealPath("/properties/conn.properties")));
42         } catch (IOException ex) {
43             ex.printStackTrace(System.err);
44         }
45         String ttfpath = properties.getProperty("ttfpath");
46         OpenTypeFont unicodeFont = new OpenTypeFont(ttfpath);
47
48         // Create a page to add to the document
49         Page page = new Page(PageSize.LETTER, PageOrientation.PORTRAIT, 54.0f);
```

HelloWorldLanguages.java

```
50
51     // Add label to page
52     addLanguage(page, 1, 1, "Dutch:", "De hallo Wereld", latin1Font);
53     addLanguage(page, 2, 1, "English:", "Hello World", latin1Font);
54     addLanguage(page, 1, 2, "French:", "Bonjour le Monded", latin1Font);
55     addLanguage(page, 2, 2, "German:", "Hallo Welt", latin1Font);
56     addLanguage(page, 1, 3, "Greek:", "\u0393\u03B5\u03B9\u03AC\u03C3" +
57                 "\u03BF\u03C5\u0020\u03BA\u03CC\u03C3\u03BC\u03BF\u03C2",
58                 unicodeFont);
59     addLanguage(page, 2, 3, "Italian:", "Ciao il Mondo", latin1Font);
60     addLanguage(page, 1, 4, "Japanese:", "\u3053\u3093\u306B" +
61                 "\u3061\u306F\u4E16\u754C", japansesFont);
62     addLanguage(page, 2, 4, "Korean:", "\uC5EC\uBCF4\uC138\uC694\u0020" +
63                 "\uC138\uBACC4", koreanFont);
64     addLanguage(page, 1, 5, "Norwegian:", "Hei Verden", latin1Font);
65     addLanguage(page, 2, 5, "Portuguese:", "Oi Mundo", latin1Font);
66     addLanguage(page, 1, 6, "Russian:", "\u041F\u0440\u0438\u0432\u0435" +
67                 "\u0442\u0020\u041C\u0438\u0440", unicodeFont);
68     addLanguage(page, 2, 6, "Simplified Chinese:", "\u4F60\u597D\u4E16" +
69                 "\u754C", chinesesimplifiedFont);
70     addLanguage(page, 1, 7, "Spanish:", "Hola Mundo", latin1Font);
71     addLanguage(page, 2, 7, "Traditional Chinese:", "\u4F60\u597D\u4E16" +
72                 "\u754C", chineseTraditionalFont);

73
74     // Add page to document
75     document.getPages().add(page);
76
77     // Outputs the document to the current web page
78     document.drawToWeb(req, res, sOut, "HelloWorldLanguages.pdf");
79     sOut.close();
80 }
81
82     private void addLanguage(Page page, int column, int row, String language,
83                             String text, Font font) {
84         float padding = 12;
85         float rowMultiple = (page.getDimensions().getBody().getHeight() + padding)
86                                 / 7;
87         float columnMultiple = (page.getDimensions().getBody().getWidth() + padding)
88                                 / 2;
89         float rowHeight = rowMultiple - padding;
90         float columnWidth = columnMultiple - padding;
91         float xOffset = (column - 1) * columnMultiple;
92         float yOffset = (row - 1) * rowMultiple;
93         page.getElements().add(new Label(language, xOffset, yOffset,
94                                         columnWidth, 12, Font.getHelvetica(), 12));
95         page.getElements().add(new Rectangle(xOffset, yOffset + 16, columnWidth,
96                                         rowHeight - 16, RgbColor.getLavender()));
97         Label label = new Label(text, xOffset + 4, yOffset + 18,
98                               columnWidth - 8, rowHeight - 20, font, 24,
```

HelloWorldLanguages.java

```
99         TextAlign.CENTER);
100    label.setVAlign(VAlign.CENTER);
101    page.getElements().add(label);
102  }
103
104 }
```