

```
1
2 import com.cete.dynamicpdf.*;
3 import com.cete.dynamicpdf.pageelements.Label;
4 import com.cete.dynamicpdf.pageelements.Rectangle;
5 import com.cete.dynamicpdf.text.OpenTypeFont;
6 import java.io.FileInputStream;
7 import java.io.IOException;
8 import java.util.Properties;
9 import javax.servlet.ServletConfig;
10 import javax.servlet.ServletException;
11 import javax.servlet.ServletOutputStream;
12 import javax.servlet.http.HttpServlet;
13 import javax.servlet.http.HttpServletRequest;
14 import javax.servlet.http.HttpServletResponse;
15
16 public class HelloWorldLanguages extends HttpServlet {
17
18     ServletOutputStream sOut;
19
20     public void init(ServletConfig config) throws ServletException {
21         super.init(config);
22     }
23
24     public void doGet(HttpServletRequest req, HttpServletResponse res)
25         throws IOException, ServletException {
26
27         sOut = res.getOutputStream();
28         // Create a document and set it's properties
29         Document document = new Document();
30         document.setCreator("HelloWorldLanguages.java");
31         document.setAuthor("ceTe Software");
32         document.setTitle("Hello World Languages");
33
34         Font japansesFont = Font.getHeiseiKakuGothicW5();
35         Font koreanFont = Font.getHanyangSystemsGothicMedium();
36         Font chineseSimplifiedFont = Font.getSinoTypeSongLight();
37         Font chineseTraditionalFont = Font.getMonotypeHeiMedium();
38         Font latinlFont = Font.getTimesRoman();
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);
```

```
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\uACC4", 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 }
```