13.5 Working with the library PDFBox from Apache

For editing PDF documents, e.g. from a XML data source, libraries like Apache FOP are most appropriate, which have a grasp of the functionalities of a publishing program. PDFBox especially is suited to create simple PDF's and foremost process existing PDF's.

13.5.1 Create a new PDF document
This example shows how a new one-page PDF document can be created.

First an empty PDF document is generated (empty means here: without pages)

```
PDDocument document = new PDDocument();
```

As every document a PDF document needs at least one page. Therefore, we create the object of a page and add it to the object "document".

```
PDPage blankPage = new PDPage();
document.addPage( blankPage );
```

Now the document (which at the moment is in memory only) must be stored to disk.

```
document.save("BlankPage.pdf");
```

Finally the document must be closed.

```
document.close();
```

13.5.2 Load and modify PDF documents
An existing PDF document can be loaded and modified afterwards with PDF box.

Load a PDF document

```
PDDocument doc = PDDocument.load("test.pdf");
```

Now specific modifications can be performed, e.g. removing 2 pages.