Java PDF generator showcase

Example Clause

Instructions

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Tables are easy to deal with as long as you keep them simple! To add a table, please use the following syntax.

GDP of selected countries in trillions

Country	2018	2019	2020	2021	2022
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France	2.78 USD	2.72 USD	2.60 USD	2.94 USD	2.96 USD
United Kingdom	2.86 USD	2.83 USD	2.71 USD	3.13 USD	3.19 USD
Italy	2.07 USD	2.00 USD	1.89 USD	2.10 USD	2.12 USD
Spain	1.43 USD	1.39 USD	1.28 USD	1.43 USD	1.45 USD

Countries in Europe

Country	Population	Size
Monaco	36371	1.98
Gibraltar	29431	6.8

The first line is used for referencing. You can reference <<table_countries>> in your text. The only thing you should change in that line is the table id, which is "table_countries" in this case. Please do not remove the "#", please do not change anything else in that line.

You can define the style and width of each column. In our example, the first column takes 50% of the entire width, the second and third column take 25% each. The total width of the table is 75% of the text width. The letters after the width percentage indicate if the column is e=emphasis, m=monospaced, a=asciidoc, s=strong. The d=default does not need to be set.

Cell alignment: If you need to align a column, you may indicate this by setting ^,<, or >. Examples:

- ^25m = centered, 25% width, monospaced.
- >25e = aligned right, 25% width, emphasised
- <25 = aligned left, 25% width, asciidoc

In any case, please make sure that your table fit on a piece of A4 or letter-size paper!!

Recommended Asciidoc Environment

We recommend to use $\underline{\text{http://asciidoctor.org}}$ and $\underline{\text{http://asciidoctor.org/docs/convert-asciidoc-to-pdf/}}$ in combination with the $\underline{\text{https://atom.io}}$ editor.

Installation on MacOS and Linux

- Please follow the steps on https://asciidoctor.org/#installation.
- Install the bibtex extension: gem install asciidoctor-bibtex

Installation on Windows

We have made best experiences with the following steps:

- Install ruby for windows: https://rubyinstaller.org/downloads/. If you experience any issues, the following link may help: https://stackoverflow.com/questions/18908708/installing-ruby-gem-in-windows
- Open command prompt and install two gems:

- Execute: "gem install asciidoctor"
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- Text your installation
- Open a folder that contains your Engineering Report asciidoc source files, including the er.adoc file.
- Execute the following command: asciidoctor -r asciidoctor-bibtex er.adoc

Using Asciidoctor with Atom

In Atom, you should install the following packages:

- · asciidoc-preview
- · autocomplete-asciidoc
- language-asciidoc
- markdown-writer: requires changing of key-map to allow for keyboard shortcuts such as e.g. **bold**
- platformio-IDE-terminal

This environment allows you to use keyboard shortcuts, autocomplete, syntax highlighting and a rendered preview for asciidoc; and provides you an terminal window within the editor to convert your asciidoc to html and pdf.

Asciidoc Conversion

In order to achieve a uniform look-and-feel of all ERs in both HTML and PDF, we have provided a css and theme file. The following commands can be used to convert the ER:

Command for PDF output: asciidoctor-pdf -r asciidoctor-bibtex -a pdf-stylesdir=resources -a pdf-style=ogc -a pdf-fontsdir=resources/fonts er.adoc

Command for HTML output: asciidoctor -r asciidoctor-bibtex -a linkcss -a stylesheet=rocket-panda.css -a stylesdir=./stylesheets er.adoc

Source Code

You can add code snippets using the following syntax:

Code Example XML

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<section>
<title>Section Title</title> <!--1-->
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As shown in line 2, the value of "id" is "File".

Asciidoc(tor) Syntax Help

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The hail-and-rainbow protocol can be initiated at five levels:

- •
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