

org.allcolor.yahp.cl.converter.swing

Class CSwingHtmlRenderer



public final class CSwingHtmlRenderer extends java.lang.Object

This class render an HTML document in a pdf graphics 2D. It use a JTextPane for html rendering.

Version:
0.21

Author:
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Nested Class Summary	
static class	<div>CSwingHtmlRenderer.CForm View</div> <div>This class is used to render Form components.</div>
static class	<div>CSwingHtmlRenderer.CImageView</div> <div>This class extends ImageView and prevent images to be painted while painting root container, thus letting YaHP calculates correct page cutting.</div>
static class	<div>CSwingHtmlRenderer.CInline View</div> <div>This class extends InlineView and prevent text to be painted while painting root container, thus letting YaHP calculates correct page cutting.</div>
private static class	<div>CSwingHtmlRenderer.CInputButtonRenderer</div> <div>Render a button</div>
private static class	<div>CSwingHtmlRenderer.CInputCheckBoxRenderer</div> <div>Render a checkbox</div>
private static class	<div>CSwingHtmlRenderer.CInputRadioRenderer</div> <div>Render a radio button</div>
private static class	<div>CSwingHtmlRenderer.CInputTextFieldRenderer</div> <div>Render an input text field</div>
private static class	<div>CSwingHtmlRenderer.CSelectComboBoxRenderer</div> <div>Render a combobox</div>
private static class	<div>CSwingHtmlRenderer.CTextareaRenderer</div> <div>Render a textarea</div>
private static class	<div>CSwingHtmlRenderer.SynchronousEditorKit</div> <div>An html editor kit which load images synchronously.</div>
private static class	<div>CSwingHtmlRenderer.SynchronousViewFactory</div> <div>A view factory for the synchronous editor kit.</div>

Field Summary	
private static org.apache.log4j.Logger	

	log Use for logging
private javax.swing.JTextPane	panel The panel to render the html doc

Constructor Summary	
private	CSwingHtmlRenderer () Constructor for the CSwingHtmlRenderer object

Method Summary	
private java.awt.Rectangle	getMinimumSize (int width) return the size image needed to render the document without anything going off the side. could be different than the dimensions passed into layout because of text that couldn't break or a table that's set to be too big
private boolean	isInBody (org.w3c.dom.Node fnode) Return true if node is in the body section
private void	layout (java.awt.Dimension dim) Layout the document
private static void	renderHeaderFooter (java.lang.String urlForBase, java.util.List hf, java.awt.Graphics2D g, int pagenum, int pagetotal, IHtmlToPdfTransformer.PageSize size) Render the header/footer on the current page
static void	renderToPDF (IHtmlToPdfTransformer.PageSize size, org.w3c.dom.Node node, java.lang.String fbase_url, java.util.List hf, java.util.Map properties, java.io.OutputStream out) Render the document in a pdf.
private void	setDocument (org.w3c.dom.Node node, java.lang.String base_url) Sets the document attribute
private void	validateForSwingHtmlComponent (org.w3c.dom.Node fnode, java.lang.String fbase_url) Remove problematic node, translate img uri to absolute.

Methods inherited from class java.lang.Object
clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Field Detail

log	
private static final org.apache.log4j.Logger	log
Use for logging	
panel	
private javax.swing.JTextPane	panel
The panel to render the html doc	

Constructor Detail

CSwingHtmlRenderer

private CSwingHtmlRenderer ()

Constructor for the CSwingHtmlRenderer object

Method Detail

renderToPDF

```
public static final void renderToPDF ( IHtmlToPdfTransformer.PageSize size,
                                     org.w3c.dom.Node node,
                                     java.lang.String fbase_url,
                                     java.util.List hf,
                                     java.util.Map properties,
                                     java.io.OutputStream out)
    throws IHtmlToPdfTransformer.CConvertException
```

Render the document in a pdf.

Parameters:

- size - page size
- node - document
- fbase_url - base url of the document
- hf - headers footers list
- properties - transform properties
- out - outputstream to write into

Throws:

- [IHtmlToPdfTransformer.CConvertException](#) - if an error occurs while rendering

setDocument

```
private final void setDocument (org.w3c.dom.Node node,
                                java.lang.String base_url)
```

Sets the document attribute

Parameters:

- node - The new document value
- base_url - The base uri value

isInBody

```
private final boolean isInBody (org.w3c.dom.Node fnode)
```

Return true if node is in the body section

Parameters:

- fnode - node to check

Returns:

- true if node is in the body section

getMinimumSize

private final java.awt.Rectangle

getMinimumSize (int width)

return the size image needed to render the document without anything going off the side. could be different than the dimensions passed into layout because of text that couldn't break or a table that's set to be too big

Parameters:
width - page with

Returns:
The minimumSize value

layout

private final void

layout (java.awt.Dimension dim)

Layout the document

Parameters:
dim - page size

renderHeaderFooter

private static final void

renderHeaderFooter (java.lang.String urlForBase,
java.util.List hf,
java.awt.Graphics2D g,
int pagenum,
int pagetotal,
[IHtmlToPdfTransformer.PageSize](#) size)

Render the header/footer on the current page

Parameters:
urlForBase - base url of the html document
hf - header-footer list
g- pdf graphics2d
pagenum - current page number
pagetotal - total page
size - pdf page size

validateForSwingHtmlComponent

private final void

validateForSwingHtmlComponent (org.w3c.dom.Node fnode,
java.lang.String fbase_url)

Remove problematic node, translate img uri to absolute. Getting style attribute for element node

Parameters:
fnode - current node
fbase_url - document base url