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org.allcolor.yahp.cl.converter.swing

## Class CSwingHtmlRenderer

java.lang.Object  org.allcolor.yahp.cl.converter.swing.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:

Quentin Anciaux

## Nested Class Summary

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

## Field Summary

private static org.apache.log4j.Logger

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

## Constructor Summary

private	<b>CSwingHtmlRenderer</b> () Constructor for the CSwingHtmlRenderer object
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## Method Summary

private java.awt.Rectangle	<b>getMinimumSize</b> (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	<b>isInBody</b> (org.w3c.dom.Node fnode) Return true if node is in the body section
private void	<b>layout</b> (java.awt.Dimension dim) Layout the document
private static void	<b>renderHeaderFooter</b> (java.lang.String urlForBase, java.util.List hf, java.awt.Graphics2D g, int pagenum, int pagetotal, <b>IHtmlToPdfTransformer.PageSize</b> size) Render the header/footer on the current page
static void	<b>renderToPDF</b> ( <b>IHtmlToPdfTransformer.PageSize</b> 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	<b>setDocument</b> (org.w3c.dom.Node node, java.lang.String base_url) Sets the document attribute
private void	<b>validateForSwingHtmlComponent</b> (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

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## 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

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