



<http://www.oraxcel.com>

Linker IT Software BV  
Snikke 6  
7833 DM Nieuw-Amsterdam  
The Netherlands  
(+31) 591 556 314

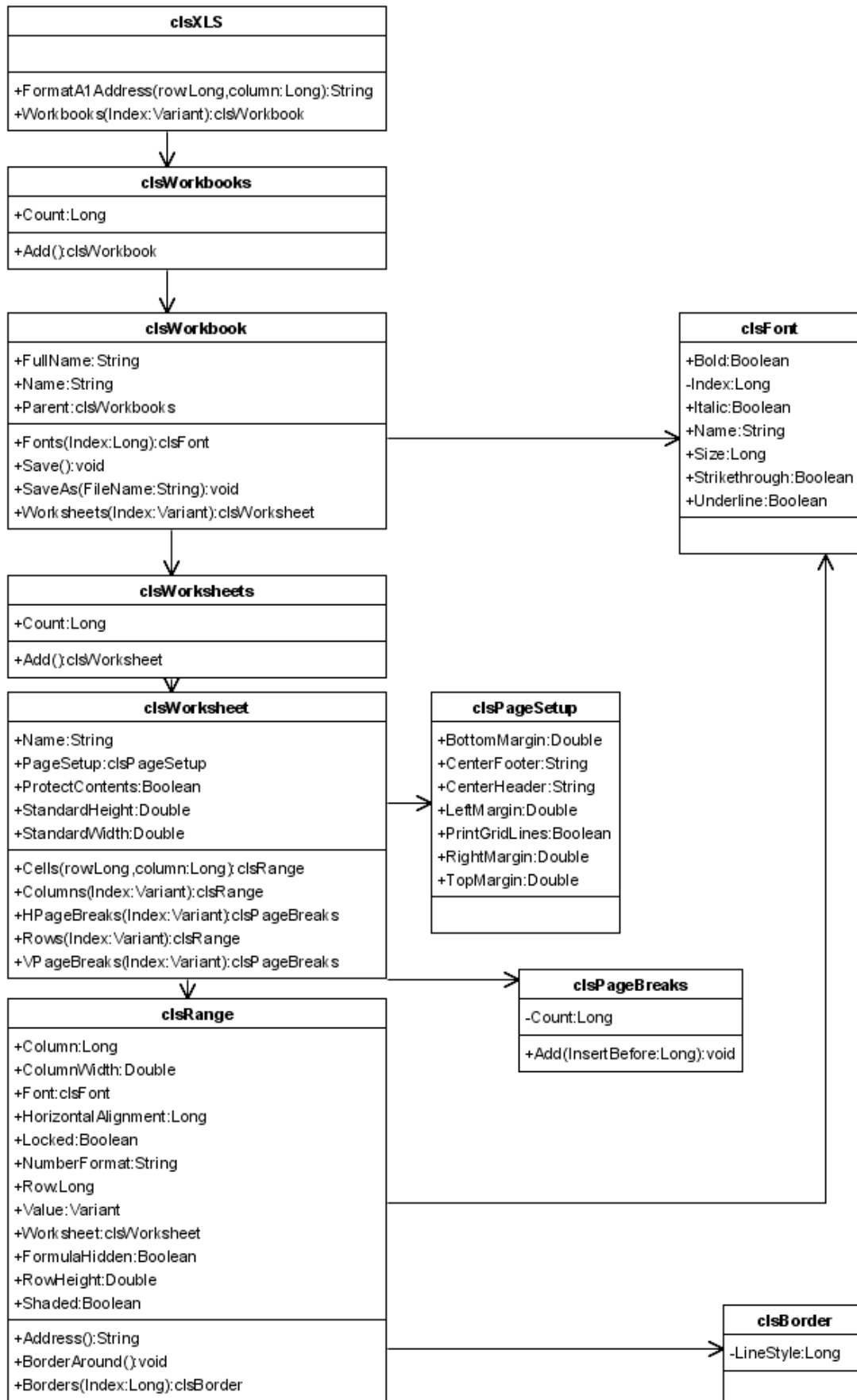
## litXLS API Reference

Document Title	LitXLS API Reference
Version	1.0.3
Date	20/Mar/2006
Author	Gerrit-Jan Linker

### Change Log:

Date	Change
27/Jan/2006	Added Horizontal and Vertical Page Breaks
20/Mar/2006	Added clsXLS.ExitXLS to cleanup memory explicitly

<b>LITXLS API REFERENCE.....</b>	<b>1</b>
<b>1 CLASS DIAGRAM.....</b>	<b>3</b>
<b>2 DETAILED CLASS DESCRIPTIONS .....</b>	<b>4</b>
<b>2.1 clsXLS .....</b>	<b>4</b>
2.1.1 Properties.....	4
2.1.2 Functions and Methods .....	4
<b>2.2 clsWorkbooks .....</b>	<b>4</b>
2.2.1 Properties.....	4
2.2.2 Functions and Methods .....	4
<b>2.3 clsWorkbook.....</b>	<b>5</b>
2.3.1 Properties.....	5
2.3.2 Functions and Methods .....	5
<b>2.4 clsWorksheets .....</b>	<b>5</b>
2.4.1 Properties.....	5
2.4.2 Functions and Methods .....	5
<b>2.5 clsWorksheet.....</b>	<b>6</b>
2.5.1 Properties.....	6
2.5.2 Functions and Methods .....	6
<b>2.6 clsRange .....</b>	<b>6</b>
2.6.1 Properties.....	6
2.6.2 Functions and Methods .....	7
<b>2.7 clsBorder.....</b>	<b>8</b>
2.7.1 Properties.....	8
<b>2.8 clsFont.....</b>	<b>8</b>
2.8.1 Properties.....	8
<b>2.9 clsPageSetup .....</b>	<b>8</b>
2.9.1 Properties.....	8



# 1 Class diagram

The class diagram above shows the internal architecture of the litXLS ActiveX dll.

## 2 Detailed class descriptions

### 2.1 *clsXLS*

This class serves as the root for the class hierarchy.

#### 2.1.1 Properties

Name	Description

#### 2.1.2 Functions and Methods

Name	Parameters	Returns	Description
ExitXLS			Closes clsXLS and cleanups memory explicitly
FormatA1Address		String	Returns the cell address in A1 format.
	Row : Long		Row number
	Column : Long		Column number
Workbooks	Index : Variant	clsWorkbook	Returns a workbook from the Workbooks collection. Index can be a number or the name of an item in the collection. Currently only 1 workbook is allowed.

### 2.2 *clsWorkbooks*

This class implements the Workbooks collection

#### 2.2.1 Properties

Name	Description
Count : Long	The number of workbooks in the collection

#### 2.2.2 Functions and Methods

Name	Parameters	Returns	Description
Add		clsWorkbook	Adds a new workbook to the collection

## 2.3 *clsWorkbook*

This class implements the Excel Workbook; the .xls file.

### 2.3.1 Properties

Name	Description
FullName : String	The full name of the file including the path.
Name : String	The document name
Parent : clsWorkbooks	Returns the Workbooks collection of which this workbook is a member.

### 2.3.2 Functions and Methods

Name	Parameters	Returns	Description
Fonts		clsFont	Returns one of the 4 available fonts from the fonts collection. The first item in the collection is the default font.
	Index : Long		Font index used to retrieve one of the 4 fonts. 1-4
Save			Saves the file. It assumes the FullName property has been set
SaveAs	FileName : String		Saves the workbook
Worksheets		clsWorksheet	Returns a worksheet from the Worksheets collection.
	Index : Variant		Index can be a number or the name of an item in the collection. Currently only 1 worksheet is allowed.

## 2.4 *clsWorksheets*

This class implements the Worksheets collection

### 2.4.1 Properties

Name	Description
Count : Long	The number of worksheets in the collection

### 2.4.2 Functions and Methods

Name	Parameters	Returns	Description
Add		clsWorksheet	Adds a new worksheet to the collection. Currently only 1 worksheet is allowed.

## 2.5 *clsWorksheet*

This class implements the Excel Worksheet.

### 2.5.1 Properties

Name	Description
Name : String	The worksheet name
PageSetup : <i>clsPageSetup</i>	Returns a reference to the PageSetup object for this worksheet
ProtectContents : Boolean	Protects the worksheet against changes. If the cell is Locked the contents will be readonly otherwise it is read/write.
StandardHeight : Double	Standard row height. Note that you can set a different row height using the RowHeight property of the Row or the Cell: <i>sheet.Cells(1,2).RowHeight = 12</i> <i>sheet.Rows(10).RowHeight = 12</i>
StandardWidth : Double	Standard column width. Note that you can set a different column width using the ColumnWidth property of the Column or the Cell: <i>sheet.Cells(1,2).ColumnWidth = 15</i> <i>sheet.Columns(10).ColumnWidth = 15</i>

### 2.5.2 Functions and Methods

Name	Parameters	Returns	Description
Cells	Row : Long		Row number for the cell
	Column : Long		Column name for the cell
		<i>clsRange</i>	Returns the Range object describing the Excel cell.
Columns		<i>clsRange</i>	Returns a range object that represents the column. Note that only the ColumnWidth property can be used of the Range object.
	Index : Variant		Column index. You can specify the column number or name: e.g. 3 or "C"
HPageBreaks		<i>clsPageBreaks</i>	Horizontal Page Breaks
	Index : Variant		PageBreak index. If you use a number n you get the n-th added PageBreak. If you use a string "n" you get the PageBreak at n.
Rows		<i>clsRange</i>	Returns a Range object that represents the row. Note that only the RowHeight property can be used of the Range object.
	Index : Variant		Row index.
VPageBreaks		<i>clsPageBreaks</i>	Vertical Page Breaks
	Index : Variant		PageBreak index. If you use a number n you get the n-th added PageBreak. If you use a string "n" you get the PageBreak at n.

## 2.6 *clsRange*

This class implements 1 Excel cell. In the MS Excel object library the Range object can be 1 or more cells, in litXLS this is not the same.

### 2.6.1 Properties

Name	Description
Column : Long	The column number for the cell (A=1, B=2, etc)
ColumnWidth : Double	The width of the whole column.
Font : <i>clsFont</i>	The font to use for this cell. By default the first Font is used in the Fonts collection of the Workbook. To set a different font use e.g.: <i>Set Cells(1,2).Font = Workbook.Fonts(3)</i>
HorizontalAlignment : Long	Specify the horizontal alignment: Left, Center, Right or Fill

Locked : Boolean	Indicates whether the cell contents are locked for editing. Effective when the ProtectContents property of the clsWorksheet class is set to True only.
NumberFormat : String	Specifies the number format Excel will use to display the value in the cell. See Excel's helpfile for the different custom formats you can use. NumberFormat is used to format all data types.
Row : Long	The row number for the cell
Value : Boolean	The contents of the cell
Worksheet : clsWorksheet	Reference to the parent worksheet to which this cell belongs.
FormulaHidden : Boolean	When set to true and when the sheet is protected, Excel will not show the cell's formula.
RowHeight : Double	Returns or sets the height of the whole row.
Shaded : Boolean	If true a simple gray shading is applied in the cell.

Note that the RowHeight property is not yet implemented.

## 2.6.2 Functions and Methods

Name	Parameters	Returns	Description
Address			Returns the cell address in A1 format.
BorderAround			Applies borders to all sides of the cell
Borders		clsBorder	Returns one of the four borders of the cell
	Index : Long		Index to one of the four borders of the cell: left, right, top, bottom.

## 2.7 *clsBorder*

This class implements a cell Border.

### 2.7.1 Properties

Name	Description
LineStyle : Long	Returns or sets the line style: none or continuous.

## 2.8 *clsFont*

This class implements a workbook font. There can only be 4 fonts in a workbook currently.

### 2.8.1 Properties

Name	Description
Bold : Boolean	Sets or returns the bold attribute of the font
Index : Long	Returns the position in the fonts list. The first font is the default worksheet font.
Italic : Boolean	Sets or returns the italic font attribute.
Name : String	Sets or returns the font name.
Size : Long	Sets or returns the font size
StrikeThrough : Boolean	Sets or returns the strikethrough attribute of the font.
Underline : Boolean	Sets or returns the underline font attribute.

## 2.9 *clsPageSetup*

This class implements the page setup details of a worksheet.

### 2.9.1 Properties

Name	Description
BottomMargin : Double	Sets or returns the bottom margin
CenterFooter : String	Sets or returns the footer text.
CenterHeader : String	Sets or returns the header text.
LeftMargin : Double	Sets or returns the left margin
PrintGridLines : Boolean	Set to true by default to print grid lines, set to false to not print grid lines.
RightMargin : Double	Sets or returns the right margin
TopMargin : Double	Sets or returns the top margin



## 2.10 *clsPageBreak*

This class implements horizontal and vertical page breaks.

### 2.10.1 Functions and Methods

Name	Parameters	Returns	Description
Add	InsertBreakBefore as Long		Adds a new Page Break. An error is raised if you add a break that is out of range. Horizontal (2 – 65536), Vertical (2 – 256)

### 2.10.2 Properties

Name	Description
Count as Long	Returns the number of defined page breaks