

See Also

[GraffitiWebGridColumn](#)

Enumerations

Name	Values
	This class exposes no enumerations.

Constants

Name	Type	Value
EditTypeLongText	Integer	2
EditTypeCheckbox	Integer	5
EditTypeColor	Integer	9
EditTypeCurrency	Integer	7
EditTypeDate	Integer	4
EditTypeFontAwesome	Integer	6
EditTypeHTML	Integer	8
EditTypeNone	Integer	0
EditTypePassword (NOTE: THIS IS NOT A SECURE IMPLEMENTATION)	Integer	11
EditTypePercentage	Integer	3
EditTypePicture	Integer	10
EditTypeText	Integer	1
SelectionCells	Integer	1
SelectionRows	Integer	0

Events

Definition	Description
CellChange(Row as Integer , Column as Integer , NewValue as Variant)	This event is fired when the value of a cell has been edited.
CellClick(Row as Integer , Column as Integer)	This event is fired when a cell has been clicked.
CellDoubleClick(Row as Integer , Column as Integer)	This event is fired when a cell has been double-clicked.
ColumnReordered(theColumn as GraffitiWebGridColumn, oldIndex as Integer , newIndex as Integer)	Event is raised when a column is dragged by the user. Will fire for both the column moved and the column in the target position.
RowSelectionChanged()	This event is fired rows in the grid are either selected or deselected.
ScrollPositionChanged(X as Integer , Y as Integer)	This event is fired when the viewing port has been scrolled to X and Y positions.
Sorted(ByColumnName as String , Ascending as Boolean)	This event is fired when the user has changed the sort order of the grid.

Methods

Definition	Description
AddCellStyle(Row as Integer , Column as Integer , newStyle as WebStyle)	Adds the specified WebStyle to the cell identified by Row and Column.
AddHeader(newHeader as GraffitiWebGridColumn)	This method is used to add a new column to the grid.
AddRow(d as Dictionary)	This method is used to add a new row of data to the grid.
CellValue(Row as Integer , Column as Integer) as Variant	Returns the current value of the specified cell.
CellValue(Row as Integer , Column as String) as Variant) as Variant	
DeleteAllRows()	This method will delete all rows from the grid. Use LockUpdate property when performing such operations if your grid contains a lot of data.
DeselectAllRows()	Deselects all rows.
EditActiveCell()	When the grid is set to Editable, this method will open the editor for the currently selected cell.
GetColumn(atIndex as Integer) as GraffitiWebGridColumn	Returns the column at the defined index.
GetColumn(ColumnField as String) as Integer	Returns the column with the key specified by ColumnField.
GetColumn(theHeader as GraffitiWebGridColumn) as Integer	Returns the index of the specified column.
GetRow(RowIndex as Integer)	Returns the row at the specified index.
GetRowIndex(theRow as Dictionary)	Returns the index of the provided row.
HeaderCount() as Integer	Returns the count of all current headers.
HeaderStyle(theHeader as GraffitiWebGridColumn, Assigns theStyle as WebStyle)	Used for changing single header styles on-the-fly.
HideColumn(atIndex as Integer)	Hides the column at the specified index.
HideColumn(ColumnField as String	Hides the column with the matching field value.
HideColumn(theColumn as GraffitiWebGridColumn)	Hides the specified column from the display.
InsertRow(d as Dictionary , intIndex as Integer)	This method will insert a new row in to the grid at intIndex.
NextCell()	Will navigate to the next cell in left-to-right then top-to-bottom fashion.
NextRow()	Will navigate to the next row from top-to-bottom.
PreviousCell()	Will navigate the the cell to the right of the current cell in the grid.
PreviousRow()	Will navigate to the next row above the currently selected row.
RemoveCellStyle(Row as Integer , Column as Integer , theStyle as WebStyle)	Removes the defined style from the specified cell.
RemoveHeader(headerIndex as Integer)	Removes the specified header from the grid.
RemoveHeader(theHeader as GraffitiWebGridColumn)	
RemoveRow(intIndex as Integer)	This method will remove the row at intIndex.

Definition	Description
RowCount() as Integer	This method will return the number of rows in the grid (that's UBound + 1).
RowTag(Row as Integer) as Variant	Returns the current Tag property of the specified row.
RowTag(Row as Integer , assigns newValue as Variant)	Sets the Tag property of the specified row to newValue.
ScrollTo(X as Integer , Y as Integer)	Scrolls the display to the specified (X, Y) coordinates.
ScrollToCell(Row as Integer , Cell as Integer	Scroll the display to the specified row and cell.
ScrollToRow(Row as Integer)	This method will scroll the grid's viewing port to the specified row.
Selected(theRow as Dictionary) as Boolean Selected(theRowIndex as Integer) as Boolean	Returns True if the specified row is selected.
SelectRows(SelRows() as Integer)	Will select all of the rows in the SelRows array that are present in the grid.
SetActiveCell(Row as Integer , Cell as Integer , ForceEdit as Boolean = False)	Will select the specified cell while optionally opening the editor for that cell.
ShowColumn(atIndex as Integer)	Shows the column at the specified index.
ShowColumn(ColumnField as String	Shows the column with the matching field value.
ShowColumn(theColumn as GraffitiWebGridColumn)	Shows the specified column in the display.
UpdateCell(Row as Integer , Cell as Integer , NewValue as Variant)	Updates the value of the cell at the coordinates (Row,Cell). Honors the LockUpdate property for modifying large amounts of cells at a time.
UpdateColumnWidth(theCol as Integer , theWidth as Integer)	Resizes the column to the specified width (in pixels)
UpdateColumnWidth(theColID as String, theWidth as Integer)	
UpdateDisplay()	For use in long operations or when the grid will otherwise not update properly. This method forces the grid to be re-rendered.
UpdateHeader(theHeader as GraffitiWebGridColumn)	After making changes to a header's object, call this method to update the display. Useful for changing a header's title or tooltip.

Properties

Name	Type	Default Value	Description
AutoEdit	Boolean	False	Determines whether cells will automatically display their editor when they receive focus while Editable is True.
Editable	Boolean	False	Determines whether cells are editable. When true while AutoEdit is false, double-clicking or clicking the edit icon at the right of the cell will display the cell's editor.
EnableCellNavigation	Boolean	False	Determines whether users can navigate through the cells using the keyboard.

Name	Type	Default Value	Description
EnableColumnReorder	Boolean	False	Determines whether users can reorder the columns in the grid.
ForceFitColumns	Boolean	False	When true, columns will automatically resize to fill the display.
HeaderRowHeight	Integer	25	Determines the height of the header row.
HeaderRowVisible	Boolean	True	If false, the column headers will not be visible in the display.
LockUpdate	Boolean	False	Keeps the grid from updating while long operations are carried out.
MultiSelectRows	Boolean	False	Determines if the user will be allowed to select more than one row at a time.
RenderedBottomRow(READ-ONLY)	Integer	-1	The bottom-most row currently rendered. May be outside the viewport by 1 to 2 rows.
RenderedTopRow(READ-ONLY)	Integer	-1	The top-most row currently rendered. May be outside the viewport by 1 to 2 rows.
RowHeight	Integer	25	Sets the displayed height of each row.
SelectedCell	Integer	-1	The currently selected cell index.
SelectedRows()	Integer	Nil	An array of row indices corresponding to those currently selected in the grid.
SelectionType	Integer	SelectionRows	Determines how selections will be handled, either by cell or row. Constants provided.
StyleCellBorder	WebStyle	Nil	Style applied to cell borders when using SelectionType = SelectionCell
StyleHeader	WebStyle	Nil	Style applied to the header row of the grid.
StyleRowEven	WebStyle	Nil	Style applied to even rows.
StyleRowOdd	WebStyle	Nil	Style applied to odd rows.
StyleRowSelected	WebStyle	Nil	Style applied to selected rows when using SelectionType = SelectionRow
StyleTextEditor	WebStyle	Nil	Style applied to the short text editor.

Examples

Disable Column Sorting

Column sorting is controlled per-column. To disable column sorting you must set the Sortable property of your GraffitiWebGridColumn instance to False before adding:

```
dim newColumn as new GraffitiWebGridColumn( "columnID", "Column Text",
"columnField" )
newColumn.Sortable = False
me.AddHeader( newColumn )
```

Edit Selected Cells

If you don't want all cells to be editable, you should set the Editable property of the GraffitiWebGrid instance to True, the AutoEdit property to false, then use logic in the CellClick event (or elsewhere) to trigger the Edit.

For using column indices:

```
Sub CellClick(Row as Integer, Column as Integer) Handles CellClick
    If Column = 1 Then me.EditActiveCell
End Sub
```

For using column fields or other properties:

```
Sub CellClick(Row as Integer, Column as Integer) Handles CellClick
    dim thisColumn as GraffitiWebGridColumn = me.GetColumn( Column )
    if thisColumn.Field = "columnFieldValue" then me.EditActiveCell()
End Sub
```

Notes

Header/Cell Dimensions

When applying WebStyles to your grid elements, you must remember that header style dimensions must match cell style dimensions. For example, if you are using a WebStyle for your grid's cells that has a border-left value of 1px, your header cell WebStyle must match this. Failure to do this will result in headers and columns not lining up correctly in the display. Remember that borders may be a transparent color if you do not wish to display a border on one of these two elements.

This also applies to other dimension-altering properties like margins and padding.

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