AutoFilter

Introduced in build 8.3

Description

The AutoFilter class represents the filter that is applied to a selected area of cells in a worksheet.

C#

```
public sealed class AutoFilter
```

---

vb.net

```
Public NotInheritable Class AutoFilter
```

Remarks

To return an `AutoFilter` object, use Worksheet.AutoFilter.

There is only one auto filter per worksheet; by default, the filter is not set and AutoFilter.Area will return `null`.

When applying an auto filter to a select area of cells on a worksheet, bear in mind:

1. AutoFilter.Area must be set to an Area object on the same worksheet as the auto filter.
2. There is only one auto filter per worksheet. If AutoFilter.Area is already set, changing `AutoFilter.Area` will overwrite the previous area and the auto filter will be applied to the new area.
3. `AutoFilter.Area` must include all of the cells that the filter applies to. ExcelWriter will not automatically detect the boundaries of the filtered area.

The filter will be removed from the worksheet either by calling the filter's Clear() method, by setting the `Area` property to `null`, or by deleting all the rows (or just the first row that has the filter headers) or all the columns of the filter from the worksheet.

Examples

C#

```
ExcelApplication xla = new ExcelApplication();
Workbook wb = xla.Create(ExcelApplication.FileFormat.Xlsx);
AutoFilter autoFilter = wb.Worksheets[0].AutoFilter;
```

```vb.net
Dim xla As New ExcelApplication()
Dim wb As Workbook = xla.Create(ExcelApplication.FileFormat.Xlsx)
Dim autoFilter As AutoFilter = wb.Worksheets(0).AutoFilter
```

Exceptions

ArgumentException

An exception of type `ArgumentException` will be thrown if the `AutoFilter.Area` property is set to an area that is on a different worksheet, or an empty area that doesn't have any data in it.

Properties

Name	Description
Area	Sets or returns an Area object that represents the area of cells that the filter is applied to in the worksheet.

Methods

Name	Description
Clear()	Removes the filter from the worksheet. Calling this method is equivalent to setting the Area property to `null`.