# How to use:

1. Create an instance of Pager using “Module.Pager.GetPager(oConfig)”.
2. Hook change event as shown in the first sample
3. Call “Render()” of the instance

**Note:** See API section for more details

# Conditions to fire change event in Pager

* 1. Any link is clicked
  2. Page Size is changed from drop down
  3. A signed integer is entered in text box whose value is less than or equal to total pages and return key is hit or blur events occurs on textbox

# API:

## Configuration values known to Pager constructor

|  |  |  |  |
| --- | --- | --- | --- |
| **Name of property** | **Type** | **Description** | **Default value** |
| CurrentPage | Signed integer | Number of the page that would be used to set the pager current page to this provided number | 1 |
| TotalResults | Signed integer | Total number of records according to which pager needs to generate | 0 |
| PageSize | Signed Integer | Tells how many records is displayed on one page | 10 |
| ContainerSelector | String | CSS 3 style element selector string. For example: “div#MyPager span”.  All the elements that this selector will return will have pager generated inside of that HTML element | ‘’ |
| NumberOfLinks | Signed Integer | Tells how many links to be generated in page numbers link | 10 |
| PagingVariable | String | Name of the variable which will contain the page value | ‘page’ |
| PagerFormat | String | String format that will be used to generate whole Pager as shown above in Sample1 and Sample2.  Refer point #4 below in this section for more details on what options can be used in this format | "{First} {Previous} {PageNumbers} {Next} {Last} {TotalPages} {pages}" |

## Public methods

|  |  |  |  |
| --- | --- | --- | --- |
| **Name of method** | **Return type** | **Description** | **Support chaining** |
| **GetPagingVariable()** | String | Name of the paging variable that will hold each page value | No |
| **SetConfigVariables(oChangedConfig: JSON Object)** | Pager | If we want to change configuration variable after instantiating a pager instance  This method supports method chaining. For example:  Pager1.SetConfigVariables(oNewConfig).SetCurrentPage(1).Render() | Yes |
| **GetCurrentPage()** | Signed integer | null | Return the current page | No |
| **SetCurrentPage(iPageNum: Signed Integer)** | Pager | throws exception if not a valid signed integer is provided | Sets the page number that pager to point as current page | Yes |
| **SetPageSize(iPageSize: Signed Integer)** | Pager | throws exception if not a valid signed integer is provided | Sets the page size that will tell how many records to display on one page | Yes |
| **GetPageSize()** | Signed Integer | Return the page size that is used by pager | No |
| **OnChangeRequest(event: window.event)** | Depends on user hook function | This is the function that is called every time when an event occurs in pager instance. For example: any link is clicked, Page size is changed from drop down, a page number is entered in textbox | No |
| **GetTotalPages()** | Signed Integer | Return the number of pages as calculated by pager as per the value of Page size and total results | No |
| **Render()** | Pager | Fill all the HTML elements selected by the selector string passed | Yes |
| **Destroy()** | Void | Remove all the pager from the HTML elements in which it was rendered | No |

## Public properties

|  |  |  |
| --- | --- | --- |
| **Name of properties** | **Type** | **Description** |
| **Id** | Signed Integer | Id of the Current pager instance  Note: do not modify this value |
| **PlaceHolderFunction** | Object | A map of Pager text and corresponding function to generate HTML for the mustache option given in PagerFormat option  Note: Do not assign a new object to this function. Always add or remove properties from this function |

## Options that can be used in PagerFormat option of configuration

|  |  |  |
| --- | --- | --- |
| **Name of option to use** | **Values inside scale brackets** | **Description** |
| **First** | Refer **#a** and **#b** | Generates link or span to go to first Page |
| **Previous** | Same as above | Generates link or span to go to previous Page |
| **PageNumbers** | Same as above | Generates page numbers as link to navigate to individual pages |
| **Next** | Same as above | Generates link or span to go to next Page |
| **Last** | Same as above | Generates link or span to go to last Page |
| **PagerDropDown** | One extra attribute is used **“values”** whose value can be given as “values='10:10,20:20,50:50'”  The values inside the page size drop down will be populated from the values specified inside string format. If no value is given after colon, then first value is taken as both key and value to the drop down | Generates a drop down with key and value as specified in values attribute |
| **TotalResults** | Same as Next, one exception is that it does not consider “**text**” attribute and value | Generates a span to display total results or items |
| **TotalPages** | Same as above | Generates a span to display total pages |
| **ShowText** | Same as Next | Generates a span to display simple text. This option we can use to write any simple text in between the pager. Sample use  “{ShowText[text=for]}”  So a simple text “for” will be generated in place of the option in final pager on screen |
| **PrevPages** | Same as above | Generates a link to allow users to navigate between set of page numbers. For example when clicked on this link and current page is 11, the page numbers link shown will be 1-10 or whatever is applicable as per instance properties |
| **NextPages** | Same as above | Generates a link to allow users to navigate between set of page numbers. For example when clicked on this link and current page is 1, the page numbers link shown will be 11-20 or whatever is applicable as per instance properties |
| **CurrentPage** | Same as “**TotalResults**” | Generates a span to display current page |
| **PageNavigator** | Same as above | Generates a text box where user can enter any valid signed integer to navigate to that page if it exists |

### How to use values inside scale brackets

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| --- |
| If we want final HTML element to have “class” attribute value as “FirstLinkPager”  We write in PagerFormat string as  "{First[class='FirstLinkPager'&text=First]}”  Generated element will have attribute as  cid:image009.jpg@01CDCC1F.A64DC720  Similarly, if we want to associate some data to this HTML element, we will write  "{First[class='FirstLinkPager'&data='FilterID$:$1234'&text=First]}”  Output:  cid:image010.jpg@01CDCC1F.A64DC720 |

* 1. One exception to above format is **“text”** inside scale bracket ([ / ]), that will not come as an attribute to the element instead it will go as an un-escaped string to the innerHTML property.

## Events

|  |  |  |
| --- | --- | --- |
| Event Name | Parameters passed | Description |
| OnFirst(oAttr, oPager) | 1. JSON object containing all attributes that will be passed to corresponding HTML generation function 2. Pager instance which raised this event | This is helpful if at run time just before we start generating any link, we can change all the properties and attributes of link.  Note: Always return a JSON object from here, otherwise no link will be generated |
| OnPrevious(oAttr, oPager) | Same as above | Same as above |
| OnPageNumbers(oAttr, oPager) | Same as above | Same as above |
| OnNext(oAttr, oPager) | Same as above | Same as above |
| OnLast(oAttr, oPager) | Same as above | Same as above |
| OnPagerDropDown(oAttr, oPager) | Same as above | Same as above |
| OnTotalResults(oAttr, oPager) | Same as above | Same as above |
| OnTotalPages(oAttr, oPager) | Same as above | Same as above |
| OnShowText(oAttr, oPager) | Same as above | Same as above |
| OnPrevPages(oAttr, oPager) | Same as above | Same as above |
| OnNextPages(oAttr, oPager) | Same as above | Same as above |
| OnCurrentPage(oAttr, oPager) | Same as above | Same as above |
| OnPageNavigator(oAttr, oPager) | Same as above | Same as above |