jquery.bsgrid 简单易用的jquery grid插件

jquery bsgrid,A Simple jquery grid plugin with pagation and export. 一个简单易用的jquery grid插件,支持分页或不分页,支持json、xml数据格式,对导出友好,扩展性友好。

当前插件版本: 1.11

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在线示例地址: http://jquery-bsgrid.coding.io/

BSGrid的由来

首先,澄清插件名称为何叫BSGrid,是因为敝人常用bs开头的字符做英文账号的缘故。BSGrid诞生的原因是主流插件或框架的grid使用或扩展比较复杂。

以下仅简单说下各插件或框架的grid:

- 1,目前主流Grid基本比较适用于内网系统,对于外网系统适用而言,想要改变皮肤样式,字体大小等都非常困难;
- 2,主流Grid封装的太好,这反而造成了其扩展性能不是很好,并且其methods、properties很多,上手不容易:
 - 3,主流grid大多数未提供无分页情况下后台数据的全部展现

BSGrid的特点

- 1,轻量级,基于jQuery及Html Table,除了对加载数据、分页、渲染数据的简单封装外,不额外增加特别的功能;CSS样式精致简洁,对于扩展修改非常容易;
- 2,使用友好,对于一个简单的表格展现,仅仅数十行代码即可完成,并且支持json或xml两种数据格式;且支持友好的导出参数构建;
 - 3, 自带load加载数据遮罩,并很容易进行扩展或重写;
- **4**,扩展性好,插件有特别好的扩展性,易于对插件本身进行局部甚至较大的修改,易于改变展现样式、渲染数据;插件放开了属性及方法的全局修改权限,所有方法都可在外部进行全局重写,而无需修改插件本身的代码。

对于主流Grid的简单理解

大概说下目前的一些主流grid插件或框架的grid

- 1, ExtJS, 功能丰富, 封装好, 但属重量级产品, 需要加载大体积文件, 且响应速度较慢, 需商业授权, 一般用在内网系统;
- 2, DHtmlx,同样功能丰富,封装好,不过其可以根据所需要的模块进行加载,速度方面快于ExtJS,需商业授权,由于其样式不易修改,同样一般用在内网系统;
- 3, EasyUl, 基于jQuery, 语法使用jQuery, 却部分地方像ExtJS的写法, 在不需其源码的情况下无需商业授权, 因无源码而不方便按需模块化加载, 也很难改变皮肤样式;
 - 4, jQGrid, 基于jQuery, 开源免费且功能特别强大, 但同样其样式不易修改;
- 5,Flexigrid,基于jQuery,功能逊色,但轻量级,methods、properties较少,不失为想用ExtJS、EasyUl却难以上手这两者的另外一个选择。

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1, Example Index

Examples Index

Util	<u>Util</u>						
Button	Button						
	Simple Grid	Simple zh-CN Grid (Row Hover)	Simple XML Data Grid				
	No Pagation	No Diaplay Blank Rows No Data					
Grid	Grid With Checkbox	Grid With Little Paging					
	Standard Grid (Require JSP Env)	Multi Grid					
	Export Grid						
Combined With ArtDialog	Pop with ArtDialog	with ArtDialog Grid with ArtDialog Grid And Form with ArtDialog					
Form	Simple Form	Standard Form					

2, Simple Grid

хн	ID	CHAR	TEXT	DATE	TIME	NUM	Operate
1	202	1	TEXT_TEXT_TEXT_TEXT_TEXT_TEXT_TEXT_TEXT			11.2	Operate
2	201	111	TEXT_TEXT_TEXT_TEXT_TEXT_TEXT_TEXT_TEXT				Operate
3	200	200	TEXT_TEXT_TEXT_TEXT_TEXT_TEXT_TEXT_TEXT				Operate
4	199	199					Operate
5	32	34				12.1	Operate
6	16	test				16.1	Operate
7	15	zifu15		2012-05-15	15:01:01	1.15	Operate
8	14	zifu14		2012-05-14	14:01:01	1.14	Operate
9	13	zifu13		2012-05-13	13:01:01	1.13	Operate
10	12	zifu12		2012-05-12	12:01:01	1.12	Operate
		Page	Size: 10 Display: 1 - 10 Count: 20 First Prev 1	/ 2 Next	Last	(Goto

引用文件:

<link rel="stylesheet" href="../../sources/css/grid.css"/>

```
<script type="text/javascript" src="../../plugins/jquery-1.4.4.min.js"></script>
  <script type="text/javascript" src="../../sources/js/common.js"></script>
  <script type="text/javascript" src="../../sources/js/lang/grid.en.js"></script>
  <script type="text/javascript" src="../../sources/js/grid.js"></script>
实现代码:
  XH
       ID
       CHAR
       TEXT
       DATE
       TIME
       NUM
       Operate
     <script type="text/javascript">
    $(function () {
       $.fn.bsgrid.init('searchTable', {
          url: 'data/simple.json',
          // autoLoad: false,
          pageSizeSelect: true,
          pageSize: 10
       });
    });
    function operate(record, rowIndex, colIndex, options) {
       return '<a href="#" onclick="alert(\'ID=' + record['ID'] + '\');">Operate</a>
     }
  </script>
```

3, Simple zh-CN Grid

хн	ID	CHAR	TEXT	DATE	TIME	NUM	Operate
1	202	1	TEXT_TEXT_TEXT_TEXT_TEXT_TEXT_TEXT_TEXT			11.2	Operate
2	201	111	${\tt TEXT_TEXT_TEXT_TEXT_TEXT_TEXT_TEXT_TEXT$				Operate
3	200	200	${\tt TEXT_TEXT_TEXT_TEXT_TEXT_TEXT_TEXT_TEXT$				Operate
4	199	199					Operate
5	32	34				12.1	Operate
6	16	test				16.1	Operate
7	15	zifu15		2012-05-15	15:01:01	1.15	Operate
8	14	zifu14		2012-05-14	14:01:01	1.14	Operate
9	13	zifu13		2012-05-13	13:01:01	1.13	Operate
10	12	zifu12		2012-05-12	12:01:01	1.12	Operate
		每页	显示: 10 ▼ 当前显示: 1 - 10 共: 20 首页 上一页 1	/2 下一页	末页	5	跳转

1, 插件语言本地化文件: grid.en.js、grid.zh-CN.js、grid.zh-TW.js

```
2, 行间隔色配置: stripeRows: true

3, 行hover样式: 添加如下样式
    /* row hover */
    .bsgrid tr:hover {
        background-color: #ffe48d;
    }
```

4, Simple XML Data Grid

хн	ID	CHAR	TEXT	DATE	TIME	NUM	Operate
1	202	1	${\tt TEXT_TEXT_TEXT_TEXT_TEXT_TEXT_TEXT_TEXT$			11.2	Operate
2	201	111	${\tt TEXT_TEXT_TEXT_TEXT_TEXT_TEXT_TEXT_TEXT$				Operate
3	200	200	${\tt TEXT_TEXT_TEXT_TEXT_TEXT_TEXT_TEXT_TEXT$				Operate
4	199	199					Operate
5	32	34				12.1	Operate
6	16	test				16.1	Operate
6	16	test				16.1	Operate
7	15	zifu15		2012-05-15	15:01:01	1.15	Operate
8	14	zifu14		2012-05-14	14:01:01	1.14	Operate
9	13	zifu13		2012-05-13	13:01:01	1.13	Operate
		Page	Size: 10 Display: 1 - 10 Count: 20 First Prev 1	/ 2 Next	Last	(Goto

5. No Pagation

支持展示后台的全部数据,分页工具条变为如下只显示总数的样式:

15	321	34			12.1	Operate
16	161	test			16.1	Operate
17	151	zifu15	2012-05-15	15:01:01	1.15	Operate
18	141	zifu14	2012-05-14	14:01:01	1.14	Operate
19	131	zifu13	2012-05-13	13:01:01	1.13	Operate
20	121	zifu12	2012-05-12	12:01:01	1.12	Operate

Count: 20

```
实现代码: 将pageAll设置为true即可,后台数据格式与分页后台数据格式一致 $.fn.bsgrid.init('searchTable', { url: 'data/simple.json', pageAll: true
```

6. No Diaplay Blank Rows

设置是否显示无数据的行,下图示例展示的是分页行大小是25,但只显示了20条数据,无数据行没有显示:

15	321	34									12.1	Operate
16	161	test									16.1	Operate
17	151	zifu15							2012-05-15	15:01:01	1.15	Operate
18	141	zifu14							2012-05-14	14:01:01	1.14	Operate
19	131	zifu13							2012-05-13	13:01:01	1.13	Operate
20	121	zifu12							2012-05-12	12:01:01	1.12	Operate
		PageS	Size: 25 🔻	Display: 1 - 20	Count: 20	First	Prev	1/1	Next	Last		Goto

实现代码: 修改全局参数displayBlankRows, 默认值为true \$.fn.bsgrid.defaults.displayBlankRows = false;

7, No Data

无数据时的提示:

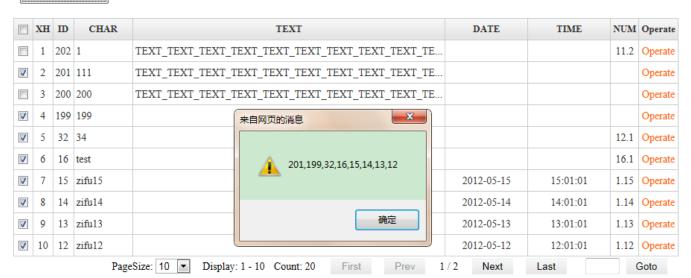
XH	ID	CHAR	TEXT	DATE	TIME	NUM	Operate
			No data to display	<i>y</i> .			
注意	此提:		rid.defaults.displayBlankRo	ws = false:时	十会显示,为tr	e时显	示的是空行
			ngToolbarOnlyMultiPages与dis	-			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,

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8. Grid With Checkbox

BSGrid内置并不支持checkbox的直接配置,通过column列的w_render属性实现:

Get Checked Ids



实现代码: 主要部分

<input type="checkbox"/>

```
$('#searchTable tr:first th:first input[type=checkbox]').change(function () {
       if ($(this).attr('checked')) {
           $('#searchTable tr:not(:first) td input[type=checkbox]').attr('checked', true)
       } else {
           $('#searchTable tr:not(:first) td input[type=checkbox]').attr('checked', false
   });
   function checkbox(record, rowIndex, colIndex, options) {
       return '<input type="checkbox" value="' + record['ID'] + '"/>';
   }
   function getCheckedIds() {
       var ids = '';
       $('#searchTable tr:not(:first) td input:checked').each(function () {
           ids += ',' + $(this).val();
       });
       alert(ids.length > 0 ? ids.substring(1) : '');
   }
∢
```

9. Grid With Little Paging

似ExtJS、EasyUI类分页工具条:

хн	ID	CHAR	TEXT	DATE	TIME	NUM	Operate
1	202	1	TEXT_TEXT_TEXT_TEXT_TEXT_TEXT_TEXT_TEXT			11.2	Operate
2	201	111	TEXT_TEXT_TEXT_TEXT_TEXT_TEXT_TEXT_TEXT				Operate
3	200	200	TEXT_TEXT_TEXT_TEXT_TEXT_TEXT_TEXT_TEXT				Operate
4	199	199					Operate
5	32	34				12.1	Operate
6	16	test				16.1	Operate
7	15	zifu15		2012-05-15	15:01:01	1.15	Operate
8	14	zifu14		2012-05-14	14:01:01	1.14	Operate
9	13	zifu13		2012-05-13	13:01:01	1.13	Operate
10	12	zifu12		2012-05-12	12:01:01	1.12	Operate
			10 🔻 1 - 10 total 20	1 1	/2 ▶ ▶1		3

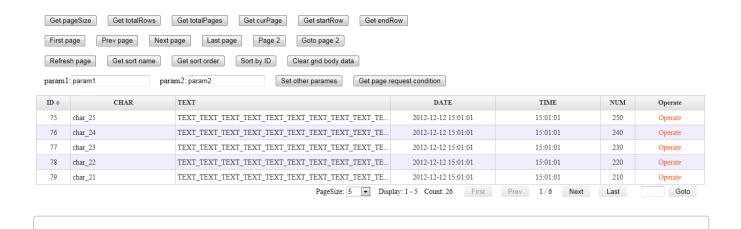
Note:

1, grid.paging.little.css should be loaded after grid.css

2, grid.paging.little.js should be loaded after grid.en.js

10, Standard Grid

演示BSGrid的大部分对外调用方法,并描述主要配置属性及其作用。 此处为了演示分页,后台使用jsp页面模拟分页数据,可以完整的展示排序,分页。



11, Multi Grid

XH	I	D C	HAR	TEXT			DATE		TIME	NUM	Operate
1	20	02 1		TEXT_TEXT_TEXT_TE	EXT_TEXT_TEXT_TEXT_TE					11.2	Operate
2	20	01 111		TEXT_TEXT_TEXT_TE	XT_TE						Operate
3	20	00 200		TEXT_TEXT_TEXT_TE	XT_TE						Operate
		Page	Size: 3 ▼	Display: 1 - 3 Count: 20	First	Prev	1/7	Next	Last		Goto
хн	ID	СНАБ	2	TEXT			DAT	E	TIME	NUM	Operate
1	202	1	TEX	T_TEXT_TEXT_TEXT_TEXT_T	TEXT_TEXT	_TE				11.2	Operate
2	201	111	TEX	T_TEXT_TEXT_TEXT_TEXT_T	TEXT_TEXT	_TE					Operate
3	200		TEX	T_TEXT_TEXT_TEXT_TEXT_T	TEXT_TEXT	_TE					Operate
4	199	199									Operate
5	32	34								12.1	Operate
		Page	Size: 5 ▼	Display: 1 - 5 Count: 20	First	Prev	1/4	Next	Last		Goto
XH	ID	CHAR		TEXT				DATE	TIM	IE N	UM Operate
1	202	1	TEXT_TE	XT_TEXT_TEXT_TEXT_TEXT_	TEXT_TEX	T_TEXT	T_TE			1	1.2 Operate
2	201	111	TEXT_TE	XT_TEXT_TEXT_TEXT_TEXT_	TEXT_TEX	T_TEXT	Г_ТЕ				Operate
3	200	200	TEXT_TE	XT_TEXT_TEXT_TEXT_TEXT_	TEXT TEX	T TEXT	Г ТЕ				Operate

12, Export Grid

BSGrid并不是提供导出Grid的页面数据功能,而是进行导出参数的组织:

param 1	param1: param1		param2: param2				
XH	ID	CHAR	TEXT	DATE	TIME	NUM	Operate
1	202	1	TEXT_TEXT_TEXT_TEXT_TE			11.2	Operate
2	201	111	TEXT_TEXT_TEXT_TEXT_TEXT_TE				Operate
3	200	200	TEXT_TEXT_TEXT_TEXT_TEXT_TE				Operate

简单的grid导出参数URL类似如下:

http://jquery-bsgrid.coding.io/examples/grid/export.html?exportFileName=Export%2520Exampl

需要额外引用用于导出的JS:

<script type="text/javascript" src="../../sources/js/export.js"></script>

```
代码实现,如下,静态页面部分仅再需要增加一个导出按钮即可:
   var gridObj;
   $(function () {
       gridObj = $.fn.bsgrid.init('searchTable', {
           url: 'data/simple.json',
           pageSizeSelect: true,
           pageSize: 10
       });
   });
   function doExport() {
       alert('Only test request params, To see it in browser address url.');
       gridObj.options.otherParames = $('#searchForm').serializeArray();
       $.bsgrid_export.doExport($('#searchTable tr th'), gridObj.options.otherParames, {
           url: 'export.html', // only test request params
           exportFileName: 'Export Example',
           colsProperties: {
               width: 120
           colWidthPercentmultiplier: 10 // if set column width N%, then column width wi
       });
   }
```

13, Grid with ArtDialog

结合ArtDialog使用,演示使用artDialog的锁屏遮罩样式以及覆盖JS原生的alert、confirm、prompt方法。

特别注意:

JS原生的alert、confirm、prompt方法是阻塞的,而使用artDialog覆盖的alert、confirm、prompt方法是非阻塞的,artDialog覆盖的方法是用回调方式实现阻塞的等待执行代码效果,详细可参看示例: Pop with ArtDialog

XH	ID	CHAR	TEXT		DATE	TIME	NUM	Operate
1	202	1	TEXT_TEXT_TEXT_TEXT	_TEXT_TE			11.2	edit delete
2	201	111	TEXT_TEXT_TEXT_TEXT	_TEXT_TE				edit delete
3	200	200	TEXT_TEXT_TEXT_TEXT	_TEXT_TE				edit delete
4	199	199	Confirm	×				edit delete
5	32	34					12.1	edit delete
6	16	test	Delete?				16.1	edit delete
7	15	zifu15			2012-05-15	15:01:01	1.15	edit delete
8	14	zifu14			2012-05-14	14:01:01	1.14	edit delete
9	13	zifu13		K Cancel	2012-05-13	13:01:01	1.13	edit delete
10	12	zifu12		Calicer	2012-05-12	12:01:01	1.12	edit delete
		PageSize: 10	Display: 1 - 10 Count:	20 First	Prev 1/2	Next Last		Goto

```
需要额外引用的文件:
    rel="stylesheet" href="../../plugins/artDialog/skins/blue.css"/>
    rel="stylesheet" href="override/artDialog.skins.override.css"/>
    <script type="text/javascript" src="../../plugins/artDialog/jquery.artDialog.min.js"></script type="text/javascript" src="../../plugins/artDialog.min.js"></script type="text/javascript" src="../../plugins/artDialog.min.js"</script type="text/javascript" src="../../plugins/artDialog.min.js"</sc
```

14. Grid And Form with ArtDialog

结合ArtDialog使用,可以完成一个很好看的CRUD功能,详细可查看示例及示例源码:

