

# ListView extendability

The `ListViewController` class has been refactored to be more performant and easily extendable.

For example, now it's much easier to add new icons into the *Actions* column:

```
SDK::setClass('ListViewController', 'ListViewControllerCustom',  
'modules/SDK/src/CUSTOMER/ListViewControllerCustom.php');
```

And the class:

```
<?php  
  
require_once('include/ListView/ListViewController.php');  
  
class ListViewControllerCustom extends ListViewController {  
    []  
    []/**  
    [] * Generate an array of strings to be concatenated and set as the "action" column  
    [] */  
    []public function generateActions($focus, $recordId, array $sqlrow = [], $navigationInfo = []) :  
    array {  
        []$actionLinkInfo = parent::generateActions($focus, $recordId, $sqlrow, $navigationInfo);  
        []  
        []$module = $focus->modulename;  
        []if ($module === 'Leads') {  
            [][]// add an icon to each lead to open the record in the erp:  
            [][]$actionLinkInfo[] = "<a href=\"https://myerp.example.com/lead/$recordId\" target=\"_blank\">  
            class=\"vteicon\">open_in_browser</i></a>";  
            []}  
            []  
            []return $actionLinkInfo;  
        []}  
        []  
    }  
}
```

Resulting in:

Search...

LIST

+ Create Other

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<input type="checkbox"/>	Action	Lead No	Last Name	First Name	Company	Phone	Website	Email
<input type="checkbox"/>		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="checkbox"/>		LEA5	Brown	Elizabeth	X-ceed inc 99	(324) 659-4253	www.x-ceedinc99.com	elizabe
<input type="checkbox"/>		LEA6	Davis	Jennifer	Vtecrm	(557) 324-1874	www.demovte.com	jennife
<input type="checkbox"/>		LEA2	Johnson	Patricia	T3m Invest a/s	(728) 492-7204	www.t3minvesta/s.com	patrici
<input type="checkbox"/>		LEA4	Jones	Barbara	Vtecrm inc	(874) 111-9300	www.vtecrm.com	barbar
<input type="checkbox"/>		LEA7	Miller	Maria	T3m Invest a/s	(324) 126-5147	www.usable-vte.com	maria_
<input type="checkbox"/>		LEA9	Moore	Margaret	Vtecrm inc	(590) 142-8974	www.vteuser.com	margar
<input type="checkbox"/>		LEA1	Smith	Mary	Vtecrm	(335) 561-4530	www.vtecrm.com	mary_s
<input type="checkbox"/>		LEA10	Taylor	Dorothy	X-ceed inc 99	(533) 372-2791	www.samplevte.com	doroth
<input type="checkbox"/>		LEA3	Williams	Linda	Edfg group limited	(391) 383-2328	www.edfggrouplimited.com	linda_v
<input type="checkbox"/>		LEA8	Wilson	Susan	Edfg group limited	(650) 675-2085	www.gooduivte.com	susan_

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