

Javascript in Zikula Core



New features in Zikula 1.3

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What's new?



- JCSSUtil for loading js and css files
- New core JS features
- API docs for core javascript

JCSSUtil



- Javascript libraries (e.g. Prototype, Livepipe) combined, minified and compressed
- Core javascript files are compressed and minified during build process
- JCSSUtil class to manage stylesheets and javascript files loading

New Javascript features



- Clean up of core functions
- New utils:
 - Zikula.GetText
 - Zikula.Cookie
 - Zikula.Tree
 - Zikula.UI
 - Zikula.Ajax (not finished)

Zikula.Gettext



- Full support for gettext directly in js
- Translation can be stored in separate gettext domain (eg module_foo_js)
- For core there will be new domain: zikula_js

Zikula.Gettext



- Adding translations using PageUtil through „jsgettext” var:

```
PageUtil::addVar('jsgettext', module_domain:module_name');
```

```
PageUtil::addVar('jsgettext', 'module_tour:Tour');
```

Zikula.Gettext



- JS implementation includes all functions known from PHP:

```
Zikula.__ ('hello', 'module_foo');
```

```
Zikula.__f ('hello% s', ['A'], 'module_foo');
```

```
Zikula._n ('hello my friend', 'hello my friends', 2, 'module_foo');
```

```
Zikula._fn ('hello my friend% s', 'hello my friends% s', 2, ['A', 'B'], 'module_foo');
```

Zikula.Cookie and Zikula.Tree

- Zikula.Cookie - util class to store data in cookies

```
Zikula.Cookie.set('name','value');
```

- Zikula.Tree - replacement for phplayersmenu (along with PHP class Zikula_Tree); used for Categories and Menutree block

Zikula.UI



- Own library for UI components
- Based on prototype + scriptaculous + livepipe
- Aimed to provide ready to use tools, with common appearance
- For an online demo see:
<http://pliki.bianor.com.pl/Zikula.UI.Camp/>

Zikula.UI



- Tooltip
- Windows
 - Window
 - Modal Window
 - Ajax Windows
 - Dialogs
 - Alert Dialog
 - Confirm Dialog
 - Form Dialog
- Tabs
- SelectMultiple
- Key

Zikula.UI.Tooltip

Default tooltip, content passed directly to javascript

Some tooltip

[Show/hide source](#)

Group of tooltips, content from title

Simple shorthand for initializing group of default tooltips. Content taken from title attribute.

Group of tooltips, content from title

Group of tooltips, content from title

[Show/hide source](#)

Group of tooltips, content from hidden element

Group of tooltips. Content taken from additional elements based on title attribute, which contains ID

Content from \$('other_content')

Content from \$('other2_content')

Lorem ipsum dolor sit amet nibh. Donec est. Vivamus sit amet dui.
Sed sagittis luctus non, posuere quis, vestibulum vel,

[Show/hide source](#)

```
<p id="other" class="tooltips2" title="#other_content">Content from $('other_content')</p>
<div id="other_content" style="display: none;"><p><strong>Passing tooltip content from another element allows to use html</strong>
<p id="other2" class="tooltips2" title="#other2_content">Content from $('other2_content')</p>
<div id="other2_content" style="display: none;">Lorem ipsum dolor sit amet nibh. Donec est. Vivamus sit amet dui. Sed sagittis luc
<script type="text/javascript">
  Zikula.UI.Tooltips($$('.tooltips2'));
</script>
```

Tooltips

Window

Default window

Zikula.UI.Window

Group of tooltips, content from title

[Show/hide source](#)

Group of tooltips, content from hidden element

Group of tooltips. Content taken from additional elements based on title attribute, which contains ID

Content from \$('other_content')

Content from \$('other2_content')

[Show/hide source](#)

Window

Default window

Default window, content from other element

[Open window](#)

[Show/hide source](#)

```
<p><a id="defwindow" href="#defwindow_content" title="Default window t
<div id="defwindow_content" style="display: none;"><p><strong>Lorem
<script type="text/javascript">
  var defwindow = new Zikula.UI.Window($('defwindow'));
</script>
```

Create window opened by clicking link with id "defwindow" with content taken from "defwindow_content" element

Default window with minmax option

Default window, with minmax option, which allows to minimize and maximize window

[Open window](#)

Zikula.UI.Window – ajax content

Open window
[Show/hide source](#)

Default modal window
Default modal window
Notice: when modal window is opened

Open window
[Show/hide source](#)

Ajax window
Default window, content loaded using

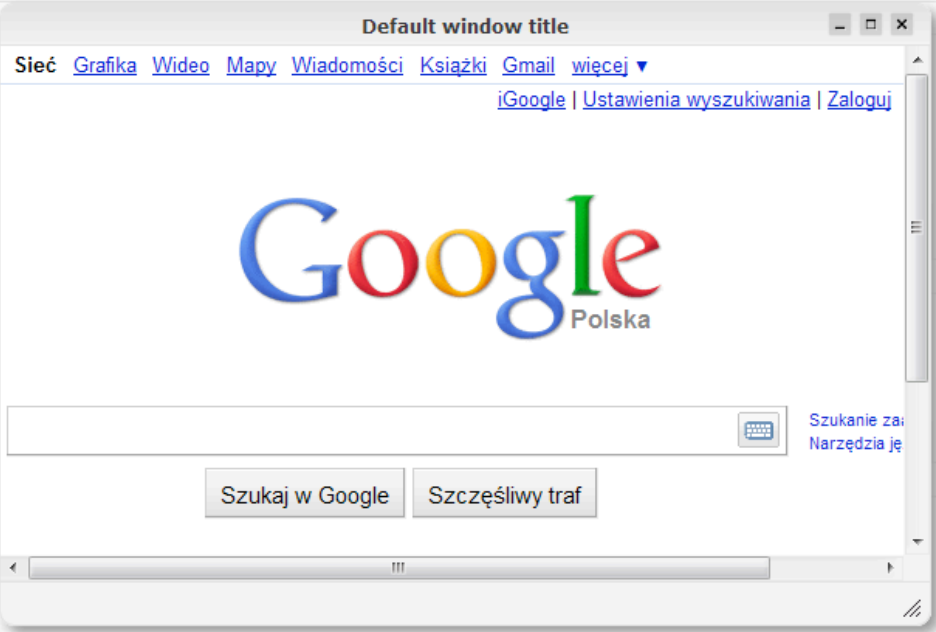
Open window
[Show/hide source](#)

Ajax window with iframe
Ajax window with external content load

Open window
[Show/hide source](#)

```
<p><a id="defwindowajax2" href="http://google.com" title="Default window title">Open window</a></p>
<script type="text/javascript">
  var defwindowajax2 = new Zikula.UI.Window($('#defwindowajax2'),{resizable: true, width: 600,iframe:true});
</script>
```

Ajax window with content loaded to iframe.

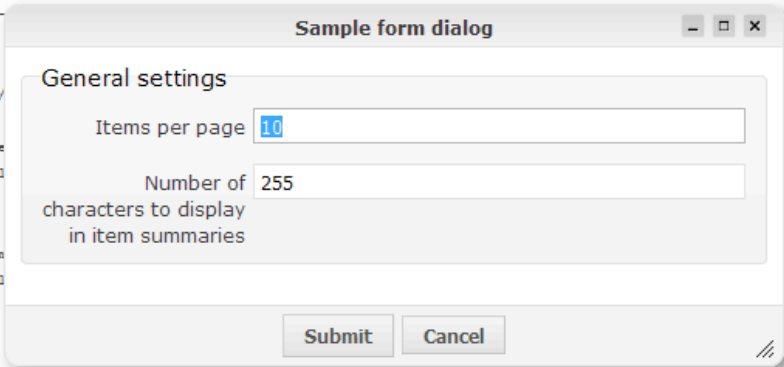


The screenshot shows a browser window titled "Default window title" containing the Google search interface. The window has a standard browser title bar with minimize, maximize, and close buttons. The content includes a navigation menu with links like "Sieć", "Grafika", "Wideo", "Mapy", "Wiadomości", "Książki", "Gmail", and "więcej". Below the menu are links for "iGoogle", "Ustawienia wyszukiwania", and "Zaloguj". The main content area features the Google logo with "Polska" underneath. At the bottom, there is a search input field, a "Szukaj w Google" button, and a "Szczęśliwy traf" button. The window is overlaid on a Zikula UI page with a sidebar on the right.

Zikula.UI.FormDialog

Open form
[Show/hide source](#)

```
<p><a id="formdialog" title="Sample form dialog" href="#formdialog_content">Open form</a></p>
<div id="formdialog_content" style="display: none;">
  <form enctype="application/x-www-form-
    <div>
      <fieldset>
        <legend>General settings</
        <div class="z-formrow">
          <label for="search_ite
          <input type="text" val
        </div>
        <div class="z-formrow">
          <label for="search_lin
          <input type="text" val
        </div>
      </fieldset>
    </div>
  </form>
</div>
<script type="text/javascript">
  executeform = function(data) {
    $('response').update(Object.toJSON(data));
  }
  var formdialog = new Zikula.UI.FormDialog($('formdialog'),executeform);
</script>
```



Form dialog

Select multiple
Select multiple

Select multiple - selected values are send as string - comma-separated values. [Check select value](#)

Tigers ▼ Select multiple

Zikula.UI.SelectMultiple

```
executeform = function(data) {
    $('response').update(Object.toJSON(data));
}
var formdialog = new Zikula.UI.FormDialog($('formdialog'), executeform);
</script>
```

Select multiple

Select multiple

Select multiple - selected values are ser

Tigers, Kitties [Select multiple](#)

[Show/hide source](#)

```
<select id="select
  <option value=
  <option value=
  <option value=
  <option value=
  <option value=
  <option value=
  <option value=
</select>
<script type="text/javascript">
  var select_multiple = new Zikula.UI.SelectMultiple('select_multiple');
</script>
```

Ok

Select multiple

Tabs

Simple tabs

Tab navigation created from unordered list. Tabs content taken from href attributes: href='#tab_content_id'

One Two

Zikula.UI.Tabs

```
<option value="cheetahs">Cheetahs</option>
</select>
<script type="text/javascript">
    var select_multiple = new Zikula.UI.SelectMultiple('select_multiple');
</script>
```

Tabs

Simple tabs

Tab navigation created from unordered list. Tabs content taken from href attributes: href='#tab_content_id'

One Two

Lorem ipsum dolor sit amet nibh. Donec est. Vivamus sit amet dui. Sed sagittis luctus non, posuere quis, vestibulum vel, metus. Phasellus tempor diam vestibulum tincidunt wisi, eget velit. Nullam wisi nibh massa mattis egestas, nunc odio sagittis nec, sagittis libero. Cras non urna ligula ut justo ipsum dolor dictum ut, tempus enim urna, placerat porttitor. Maecenas id felis. Nullam at orci luctus mauris rhoncus a, aliquet elit. Aliquam sed dui. Nulla vitae erat. Integer id nunc. Donec ullamcorper, augue ac lectus. Ut sagittis leo, pretium magna. Praesent rhoncus interdum, lacus. Ut eu ante. Vestibulum ligula. Phasellus hendrerit wisi. Praesent.

[Show/hide source](#)

```
<ul id="tabs_example_one" class="z-tabs">
    <li class="tab"><a href="#one">One</a></li>
    <li class="tab"><a href="#two">Two</a></li>
</ul>
<div id="one"><p><strong>One</strong> dolor sit amet nibh. Donec est. Vivamus sit amet dui. Sed sagittis luctus non, posue
<div id="two"><p>Fusce eu magna nec tortor libero, egestas dignissim, imperdiet tempor, pulvinar felis, consequat pharetra. Morbi
<script type="text/javascript">
    var tabs = new Zikula.UI.Tabs('tabs_example_one');
</script>
```

Equal tabs

JS API Docs



- Documentation for whole core javascript
- JsDoc syntax used
- API docs generated through CI builds

jQuery



- jQuery included into Core
- autoloaded with noConflict option for compatibility with prototype

so you use

```
jQuery('#find_me');
```

instead of

```
$('#find_me');
```

Plans for 1.3 release



- Zikula.Ajax for new ajax workflow
- use Prototypes Class.create() for all core js tools to allow extending (there is only Zikula.Cookie left)