

Zend_Html Proposal

<ac:macro ac:name="unmigrated-inline-wiki-markup"><ac:plain-text-body><![CDATA[

<ac:macro ac:name="unmigrated-inline-wiki-markup"><ac:plain-text-body><![CDATA[

Zend Framework: Zend_Html Component Proposal

| | |
|--------------------------------|---|
| Proposed Component Name | Zend_Html |
| Developer Notes | http://framework.zend.com/wiki/display/ZFDEV/Zend_Html |
| Proposers | Felix |
| Revision | 1.2 - 22 June 2006: forgot to change section 5 ... 1.1 - 21 June 2006: added link to code package 1.0 - 21 June 2006: Initialisation (wiki revision: 7) |

Table of Contents

1. Overview
2. References
3. Component Requirements, Constraints, and Acceptance Criteria
4. Dependencies on Other Framework Components
5. Theory of Operation
6. Milestones / Tasks
7. Class Index
8. Use Cases
9. Class Skeletons

1. Overview

Zend_Html is a base component handling HTML elements. Already included: some derived classes (like Zend_Html_A, Zend_Html_Img, etc.), and a document, form and table generator.

2. References

- [PEAR::HTML_Common2](#)
- [PEAR::XML_FastCreate](#)
- [PEAR::HTML_Page2](#)
- [PEAR::HTML_QuickForm](#)
- [PEAR::HTML_Table](#)

3. Component Requirements, Constraints, and Acceptance Criteria

- Generates structured HTML code (HTML 4.01 or XHTML 1.0)
- Automatic content and attribute values escaping
- Handles forms, including filtering and validation against rules

- Building tables

4. Dependencies on Other Framework Components

- Standard PHP Library (SPL) Functions (access to table rows and cell like an array)
- Zend (loadClass feature)

5. Theory of Operation

It works already in my laboratory, but it's not completely tested.

6. Milestones / Tasks

zone: Missing {zone-data:milestones}

7. Class Index

- Zend_Html
- some like Zend_Html_A, Zend_Html_Img, ...
- Zend_Html_Document
- Zend_Html_Form
- Zend_Html_Input
- Zend_Html_Input_Text, Zend_Html_Input_Submit, ...
- Zend_Html_Form_Group (grouping elements)
- Zend_Html_Form_Rule_...
- Zend_Html_Form_Filter_...
- Zend_Html_Form_Builder_...
- Zend_Html_Table
- Zend_Html_Tbody, Zend_Html_Tr, Zend_Html_Td, ...
- some more

8. Use Cases

UC-01

- two simple elements

```

// create first (container) element
$div = Zend_Html::factory('div');
// or: (if a div class exists. it is not necessary for the syntax above or the
magic method call used below)
$div = new Zend_Html_Div();
// for the next elements call a magic method named like element
// this generates an anchor element <a href="uri">content</a>
$a = $div->a('uri', 'content');
//
$div->add($a); // <div><a href ... </div>

```

- document with a form

```

$document = new Zend_Html_Document('title content'); // complete html document
skeleton

$form = new Zend_Html_Form('form_name', 'get/post', 'action');
$form->addElement(
    $form->input_text('name', 'a Label') // magic method, generates an <input
type=text> element
    ->addRule(new Zend_Html_Form_Rule_Required('required field')) // add a
rule and a filter
    ->addFilter('trim'));
$form->addElement($form->input_submit(null, 'Send')); // submit button

if ($form->validate()) {
    print_r($form->exportValues());
    $form->freeze();
}
$form->build(); // a builder generates html nodes structure. i.e. inserts
elements into a layout table

$document->body->add($form);
echo $document; // or $documentHtml = $document->__toString();
//you can also use <?php echo $form; ?> in a template

```

- a simple table

```

$table = new Zend_Html_Table(array('border' => 1)); // creates a table with a
border attribute
// you can also set attributes like: $table->border = 1;

$table // adding some elements after the last cell (currently
there are no cells, we just created an empty table)
->addHeaderCell('bla') // this results into (output is formatted more
beautifully than this example):
->addCell('fasel') // <table>
->addRow() // <tr><th>bla</th><td>fasel</td></tr>
->addHeaderCell('foo') // <tr><th>foo</th><td>bar</td></tr>
->addCell('bar'); // </table>
echo $table;

// direct cell access
echo $table[1][1]; // bar
// creates a new cell using direct cell access (gaps will be filled with empty
cells)
$table[2][1] = $table->span(array('style' => 'color:red'), 'new content');
echo $table;

```

9. Class Skeletons

Most parts already exists in my laboratory. See [my small website](#). Package is currently named `Fx_Html`. A documentation is not yet available (except for the phpdoc comments).

]]></ac:plain-text-body></ac:macro>

]]></ac:plain-text-body></ac:macro>